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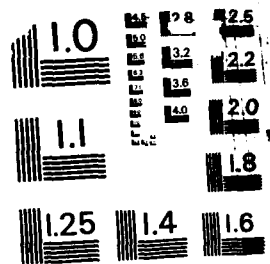
HELLENIKON ABS ATHENS GREECE LIMITED SURFACE  
OBSERVATIONS CLIMATIC SUMMAR (U) AIR FORCE  
ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER  
MAR 88 USAFETAC/DS-88/014

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GR 167160

USAFETAC/DS-88/014

AD-A190 724

OPERATING LOCATION - A  
**USAFETAC**  
Air Weather Service (MAC)

DTIC  
ELECTE  
MAR 24 1988  
S H D



"LIMITED SURFACE OBSERVATIONS"  
CLIMATIC SUMMARY "LISOCS"

HELLENIKON ABS/ATHENS GR MSC #167160  
N 37 54 E 023 44 ELEV 90 FT LGAT

PARTS A - F HOURS SUMMARIZED: 0000 - 2300

PERIOD OF RECORD:  
HOURLY OBSERVATIONS: JAN 78 - DEC 87  
SUMMARY OF DAY DATA: NONE

MAR 07 1988

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REPORT DOCUMENTATION PAGE

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6b. Office Symbol:

6c. Address: Federal Building, Asheville, NC 28801-2723

7a. Name of Monitoring Organization: USAFETAC

7b. Address: Scott AFB, IL 62225-5458

11 Title: (LISOCS) Hellenikon ABS/Athens GR.

12 Personal Author(s):

13a Type of Report: Data Summary

13b Time Covered: Jan 78-Dec 87.

14 Date of Report: Mar 88.

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18 Subject Terms: \*climatology \*weather meteorological conditions winds precipitation barometric pressure sky cover temperature relative humidity psychrometric data visibility ceiling Limited Surface Observations Climatic Summary(LISOCS); Hellenikon ABS Greece; Athens Greece; Hassina Airport Greece; Athina Airport Greece; Greece; GR167160.

19 Abstract: A statistical data summary of surface weather observation climatology: Hellenikon ABS/Athens Greece. This summary is similar to the Revised Uniform Summary of Surface Weather Observations (RUSSWO), but is based on data collected from limited-duty weather observing stations; i.e., those that take weather observations less than 24 hours a day, 7 days a week. The summary is in five parts: PART 1, Weather Conditions and Atmospheric Phenomena; PART 2, Surface Winds; PART 3, Ceiling and Visibility; PART 4, Psychrometric Summaries; and PART 5, Pressure Summaries. Note that PART 2, Precipitation, is omitted. See USAFETAC/TN-83-001 (AD132186), An Aid For Using The Revised Uniform Summary of Surface Weather Observations (RUSSWO), for complete descriptions of contents and instructions for use.

20 Distribution/Availability of Abstract: Same as report.

21 Abstract Security Classification: UNCLASSIFIED.

22a Name of Responsible Individual: Marianne L. Cavanaugh

22b Telephone: (618)256-2625.

22c Office Symbol: USAFETAC/LDD.

DD FORM 1473 UNCLASSIFIED



LIMITED SURFACE OBSERVATIONS CLIMATIC SUMMARY

STATION NAME: HELLENIKON ABS/ATHENS GR

STATION NUMBER: 16716G

SUMMARIZED HOURS: 0000 - 2300 LST

PERIOD OF RECORD:

HOURLY OBSERVATIONS: JAN 78 - DEC 87

SUMMARY OF DAY DATA (FULL TIME): NO DATA AVAILABLE

SUMMARY OF DAY DATA (TEMPERATURES ONLY): JAN 61 - DEC 66, JAN 73 - DEC 87

TIME CONVERSION LST TO GMT: -2

ALL USERS OF THIS LISOC MUST FAMILIARIZE THEMSELVES WITH THE SITE'S DATA LIMITATIONS PRIOR TO USING OR DISTRIBUTING THESE SUMMARIES. A SPECIAL CAVEAT PAGE PROVIDES IMPORTANT INFORMATION FOR ALL USERS. THIS CAVEAT PAGE IS LOCATED IN FRONT OF THE SUPPLEMENTAL SECTION.

OL-4/USAFETAC/MAC/AVS  
ASHEVILLE NC 28801

LIMITED SURFACE OBSERVATIONS CLIMATIC SUMMARIES--LISOCs

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

SUPPLEMENTAL DATA: DATA DERIVED FROM EARLIER PERIODS IF AVAILABLE, AND/OR FROM ONE OR MORE REPRESENTATIVE SITES AND COMBINED BY A METEOROLOGIST.

DESCRIPTION OF SUMMARIES: PRECEDING EACH PART OF THE RUSSWO IS A BRIEF DISCUSSION OF THE SUMMARY INCLUDING THE MANNER OF PRESENTATION. HOURLY SUMMARIES CONTAINING "TOTALS" AND "ALL HOURS" ARE ONLY FOR THOSE HOURS SUMMARIZED. IN COMPUTING THESE VALUES THE VALUES IN THE 3-HOUR TIME GROUPS WERE ADDED AND DIVIDED BY THE NUMBER OF GROUPS.

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, 0600-0800, 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 B: SEE SUPPLEMENTAL DATA SECTION BELOW

PART C: SURFACE WIND SUMMARIES

PART D: CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

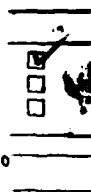
PART E: TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

PART F: PRESSURE SUMMARIES

SUPPLEMENTAL DATA SECTION--SUMMARY OF DAY DATA

AWNSC 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.

NOTE: THE FIRST AND LAST HOUR GROUPS MAY OR MAY NOT CONTAIN ALL THREE HOURS. SEE HOURS SUMMARIZED ON COVER OR STATION HISTORY SHEET TO DETERMINE WHICH HOURS ARE INCLUDED IN THESE TWO HOUR GROUPS.



|      |  |                      |  |
|------|--|----------------------|--|
| Dist |  | Avail and/or Special |  |
| A-1  |  |                      |  |

|                                 |                                  |                      |                       |                            |                   |                      |
|---------------------------------|----------------------------------|----------------------|-----------------------|----------------------------|-------------------|----------------------|
| STATION NO OR SUMMARY<br>167160 | STATION NAME<br>HELLENIKON AB GR | LATITUDE:<br>N 37 54 | LONGITUDE:<br>E 23 44 | STATION ELEV (FT)<br>90 FT | CALL SIGN<br>LGAT | WMO NUMBER<br>167160 |
|---------------------------------|----------------------------------|----------------------|-----------------------|----------------------------|-------------------|----------------------|

### 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     |           |           | STATION (FT)        | TYPE BAROMETER |             |
| 1                  | Hassina Apt, Athens Greece   | AAP                | Nov 44           | Apr 46 | N 37 54   | E 23 44   | 82                  | 92             | 17 to 24    |
| 2                  | Athinai Apt, Athens Greece   | Greek Met. Service | Jan 61           | Dec 66 | No Change | E 23 44   | 108                 | N/A            | 24          |
| 3                  | HELLENIKON AB GREECE         | "                  | JAN 67           | DEC 81 | No Change | No Change | 90                  | N/A            | No Change   |
| 4                  | Same                         | Same               | Jan 82           | Dec 87 | No Chg    | No Chg    | 90                  | N/A            | No Chg      |

| 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                  | Nov 44 to Apr 46 | Not Available                      | N/A                 | N/A              | N/A             |   |
| 2                  | Jan 61 to Dec 66 | Not Available                      | N/A                 | N/A              | N/A             |   |
| 3                  | Jan 67 to Dec 81 | Not Available                      | N/A                 | N/A              | N/A             |   |

| 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 |   |
|                    |                |                                    |                     |                  |                  |   |

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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).

### 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 THROUGH 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: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: JAN

| HOURS<br>(LST) | TSTMS | RAIN<br>&/OR<br>DRIZZLE | FRZING<br>RAIN<br>&/OR<br>DRIZZLE | SNOW<br>&/OR<br>SLEET | HAIL | % OBS<br>WITH<br>PRECIP | FOG | SMOKE<br>&/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>&/OR<br>SAND | % OBS<br>W/CBST<br>TO<br>VISION | TOTAL<br>OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|-----|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02          | .2    | 6.7                     |                                   | .3                    |      | 7.0                     | .9  | .1                    |                 |                      | 1.0                             | 915          |
| 03-05          | .1    | 7.0                     |                                   | .4                    |      | 7.4                     | .9  | .1                    |                 |                      | 1.0                             | 906          |
| 06-08          | .2    | 5.9                     |                                   | .3                    | .1   | 6.3                     | 2.2 | .1                    |                 |                      | 2.3                             | 914          |
| 09-11          | .3    | 6.1                     |                                   | .5                    |      | 6.7                     | 5.2 | 1.1                   |                 | .1                   | 6.4                             | 912          |
| 12-14          | .2    | 6.6                     |                                   | .6                    |      | 7.1                     | 1.2 | .9                    |                 |                      | 2.1                             | 904          |
| 15-17          |       | 7.0                     |                                   | .3                    |      | 7.3                     | .7  | .7                    |                 |                      | 1.3                             | 919          |
| 18-20          | .4    | 8.5                     |                                   | .3                    |      | 8.7                     | .5  | .2                    |                 |                      | .8                              | 919          |
| 21-23          | .2    | 6.0                     |                                   | .2                    |      | 6.1                     | .5  | .1                    |                 |                      | .7                              | 917          |
| TOTALS         | .2    | 6.7                     |                                   | .4                    | .0   | 7.1                     | 1.5 | .4                    |                 | .0                   | 2.0                             | 7306         |

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: FEB

| HOURS<br>(LST) | TSTMS | RAIN<br>&/OR<br>DRIZZLE | FRZING<br>RAIN<br>&/OR<br>DRIZZLE | SNOW<br>&/OR<br>SLEET | HAIL | % OBS<br>WITH<br>PRECIP | FOG | SMOKE<br>&/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>&/OR<br>SAND | % OBS<br>W/CBST<br>TO<br>VISION | TOTAL<br>OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|-----|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02          | .1    | 6.0                     |                                   | .8                    |      | 6.9                     | 1.1 | .2                    |                 |                      | 1.3                             | 830          |
| 03-05          | .2    | 6.6                     |                                   | .4                    |      | 7.0                     | 2.9 | .4                    |                 |                      | 3.3                             | 829          |
| 06-08          | .6    | 6.9                     |                                   | .6                    |      | 7.5                     | 2.7 | .2                    |                 |                      | 2.9                             | 825          |
| 09-11          | .2    | 9.2                     |                                   | 1.3                   |      | 10.3                    | 5.2 | 2.5                   |                 | .1                   | 7.8                             | 829          |
| 12-14          | .2    | 6.6                     |                                   | 1.5                   |      | 7.9                     | 1.5 | 1.0                   |                 |                      | 2.4                             | 818          |
| 15-17          | .4    | 7.2                     |                                   | .2                    |      | 7.4                     | .7  | .2                    |                 |                      | 1.0                             | 824          |
| 18-20          | .2    | 9.0                     |                                   | .1                    |      | 9.2                     | 1.2 | .1                    |                 |                      | 1.3                             | 830          |
| 21-23          | 1.1   | 6.4                     |                                   | .4                    |      | 6.7                     | .6  |                       |                 |                      | .6                              | 833          |
| TOTALS         | .4    | 7.2                     |                                   | .7                    |      | 7.9                     | 2.0 | .6                    |                 | .0                   | 2.6                             | 6618         |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
MONTH: MAR

| HOURS<br>(LST) | TSTMS | RAIN<br>E/OR<br>DRIZZLE | FRZING<br>RAIN<br>E/OR<br>DRIZZLE | SNOW<br>E/OR<br>SLEET | HAIL | % OBS<br>WITH<br>PRECIP | FOG  | SMOKE<br>E/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>E/OR<br>SAND | % OBS<br>W/CBST<br>TO<br>VISION | TOTAL<br>OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|------|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02          | .1    | 7.4                     |                                   | .4                    |      | 7.9                     | 2.2  |                       |                 |                      | 2.2                             | 915          |
| 03-05          | .4    | 6.0                     |                                   | .4                    |      | 6.4                     | 3.9  | .1                    |                 | .1                   | 4.1                             | 905          |
| 06-08          | .1    | 6.5                     |                                   | .4                    |      | 6.9                     | 9.8  | .5                    |                 |                      | 10.3                            | 911          |
| 09-11          | .2    | 6.2                     |                                   | .6                    |      | 6.7                     | 11.3 | 4.1                   |                 |                      | 15.4                            | 904          |
| 12-14          | .2    | 5.7                     |                                   | .4                    |      | 6.1                     | 3.1  | 1.5                   |                 |                      | 4.6                             | 911          |
| 15-17          | .2    | 4.5                     |                                   | .4                    |      | 5.0                     | 1.9  | 1.1                   |                 |                      | 3.0                             | 907          |
| 18-20          | 1.1   | 7.4                     |                                   | .1                    |      | 7.5                     | 2.1  | 2.4                   |                 |                      | 3.5                             | 914          |
| 21-23          | .4    | 7.6                     |                                   | .4                    |      | 7.8                     | 1.8  |                       |                 |                      | 1.8                             | 910          |
| TOTALS         | .3    | 6.4                     |                                   | .4                    |      | 6.8                     | 4.5  | 1.1                   |                 | .0                   | 5.6                             | 7277         |

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
MONTH: APR

| HOURS<br>(LST) | TSTMS | RAIN<br>E/OR<br>DRIZZLE | FRZING<br>RAIN<br>E/OR<br>DRIZZLE | SNOW<br>E/OR<br>SLEET | HAIL | % OBS<br>WITH<br>PRECIP | FOG  | SMOKE<br>E/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>E/OR<br>SAND | % OBS<br>W/CBST<br>TO<br>VISION | TOTAL<br>OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|------|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02          | .1    | 5.9                     |                                   |                       |      | 5.9                     | 1.5  | .3                    |                 |                      | 1.8                             | 879          |
| 03-05          | .1    | 4.2                     |                                   |                       |      | 4.2                     | 4.8  | .2                    |                 |                      | 5.0                             | 879          |
| 06-08          | .6    | 5.0                     |                                   |                       |      | 5.0                     | 13.9 | 1.4                   |                 |                      | 15.2                            | 880          |
| 09-11          | .6    | 4.5                     |                                   |                       |      | 4.5                     | 9.9  | 3.4                   |                 |                      | 13.3                            | 886          |
| 12-14          | .3    | 3.6                     |                                   |                       |      | 3.6                     | 2.3  | 2.5                   |                 | .1                   | 4.9                             | 880          |
| 15-17          | .2    | 4.8                     |                                   |                       |      | 4.8                     | 1.0  | 1.7                   |                 |                      | 2.7                             | 879          |
| 18-20          | .2    | 6.3                     |                                   |                       |      | 6.3                     | .7   | 1.6                   |                 |                      | 2.3                             | 885          |
| 21-23          | .1    | 6.6                     |                                   |                       |      | 6.6                     | .7   | .3                    |                 |                      | 1.0                             | 881          |
| TOTALS         | .3    | 5.1                     |                                   |                       |      | 5.1                     | 4.4  | 1.4                   |                 | .0                   | 5.8                             | 7049         |



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: MAY

| HOURS (LST) | TSTMS | RAIN<br>E/OR<br>DRIZZLE | FRZING<br>RAIN<br>E/OR<br>DRIZZLE | SNOW<br>E/OR<br>SLEET | HAIL | % OBS<br>WITH<br>PRECIP | FOG | SMOKE<br>E/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>E/OR<br>SAND | % OBS<br>W/OBST<br>TO<br>VISION | TOTAL<br>OBS |
|-------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|-----|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02       | .3    | 2.1                     |                                   |                       |      | 2.1                     | .9  | .1                    |                 |                      | 1.0                             | 915          |
| 03-05       | .1    | 2.4                     |                                   |                       |      | 2.4                     | 1.6 | .2                    |                 |                      | 1.9                             | 914          |
| 06-08       | .4    | 2.2                     |                                   |                       |      | 2.2                     | 9.5 | 2.7                   |                 |                      | 12.1                            | 917          |
| 09-11       | .2    | 1.8                     |                                   |                       |      | 1.8                     | 6.5 | 2.0                   |                 |                      | 8.5                             | 922          |
| 12-14       | 1.8   | 2.1                     |                                   |                       |      | 2.1                     | 2.9 | .9                    |                 |                      | 3.7                             | 911          |
| 15-17       | 1.5   | 2.9                     |                                   |                       | .1   | 2.9                     | .8  | .3                    |                 |                      | 1.1                             | 906          |
| 18-20       | .3    | 2.1                     |                                   |                       |      | 2.1                     | .3  | .5                    |                 |                      | .9                              | 917          |
| 21-23       | .1    | 2.4                     |                                   |                       |      | 2.4                     | .7  | .2                    |                 |                      | .9                              | 908          |
| TOTALS      | .6    | 2.3                     |                                   |                       | .0   | 2.3                     | 2.9 | .9                    |                 |                      | 3.8                             | 7310         |

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: JUN

| HOURS (LST) | TSTMS | RAIN<br>E/OR<br>DRIZZLE | FRZING<br>RAIN<br>E/OR<br>DRIZZLE | SNOW<br>E/OR<br>SLEET | HAIL | % OBS<br>WITH<br>PRECIP | FOG | SMOKE<br>E/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>E/OR<br>SAND | % OBS<br>W/OBST<br>TO<br>VISION | TOTAL<br>OBS |
|-------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|-----|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02       | .1    | .5                      |                                   |                       |      | .5                      | .2  | .1                    |                 |                      | .3                              | 874          |
| 03-05       | .2    | .7                      |                                   |                       |      | .7                      | 1.8 | .3                    |                 |                      | 2.2                             | 871          |
| 06-08       |       | .9                      |                                   |                       |      | .9                      | 6.5 | 3.3                   |                 |                      | 9.8                             | 880          |
| 09-11       | .1    | .8                      |                                   |                       |      | .8                      | 1.9 | .9                    |                 |                      | 2.9                             | 875          |
| 12-14       | .2    | .1                      |                                   |                       | .1   | .2                      | .2  | .3                    |                 |                      | .6                              | 878          |
| 15-17       | .5    | .9                      |                                   |                       |      | .9                      | .1  | .2                    |                 |                      | .3                              | 869          |
| 18-20       | .7    | .9                      |                                   |                       |      | .9                      | .1  | .2                    |                 |                      | .2                              | 871          |
| 21-23       | .7    | 1.1                     |                                   |                       |      | 1.1                     |     | .1                    |                 |                      | .1                              | 875          |
| TOTALS      | .3    | .7                      |                                   |                       | .0   | .8                      | 1.4 | .7                    |                 |                      | 2.1                             | 6993         |

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: JUL

| HOURS<br>(LST) | TSTMS | RAIN<br>%/OR<br>DRIZZLE | FRZING<br>RAIN<br>%/OR<br>DRIZZLE | SNOW<br>%/OR<br>SLEET | HAIL | % OBS<br>WITH<br>PRECIP | FOG | SMOKE<br>%/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>%/OR<br>SAND | % OBS<br>W/CBST<br>TO<br>VISION | TOTAL<br>OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|-----|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02          |       | .2                      |                                   |                       |      | .2                      | .4  | .1                    |                 |                      | .5                              | 911          |
| 03-05          | .1    | .1                      |                                   |                       |      | .1                      | 1.0 | .3                    |                 |                      | 1.3                             | 909          |
| 06-08          | .1    | .6                      |                                   |                       |      | .6                      | 5.2 | 3.1                   |                 |                      | 8.3                             | 908          |
| 09-11          | .2    | .2                      |                                   |                       |      | .2                      | .9  | 1.7                   |                 |                      | 2.5                             | 904          |
| 12-14          | .2    | .3                      |                                   |                       |      | .3                      |     | .5                    |                 |                      | .5                              | 910          |
| 15-17          | .3    | .2                      |                                   |                       |      | .2                      | .1  | .7                    |                 |                      | .8                              | 910          |
| 18-20          | .4    | .5                      |                                   |                       |      | .5                      |     | .1                    |                 |                      | .1                              | 913          |
| 21-23          | .2    | .8                      |                                   |                       |      | .8                      | .3  | .1                    |                 |                      | .4                              | 918          |
| TOTALS         | .2    | .4                      |                                   |                       |      | .4                      | 1.0 | .8                    |                 |                      | 1.8                             | 7283         |

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: AUG

| HOURS<br>(LST) | TSTMS | RAIN<br>%/OR<br>DRIZZLE | FRZING<br>RAIN<br>%/OR<br>DRIZZLE | SNOW<br>%/OR<br>SLEET | HAIL | % OBS<br>WITH<br>PRECIP | FOG | SMOKE<br>%/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>%/OR<br>SAND | % OBS<br>W/CBST<br>TO<br>VISION | TOTAL<br>OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|-----|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02          |       |                         |                                   |                       |      |                         | .4  |                       |                 |                      | .4                              | 905          |
| 03-05          |       |                         |                                   |                       |      |                         | 1.1 | .1                    |                 |                      | 1.2                             | 900          |
| 06-08          |       |                         |                                   |                       |      |                         | 4.1 | 1.9                   |                 |                      | 5.9                             | 911          |
| 09-11          |       |                         |                                   |                       |      |                         | 1.8 | 1.8                   |                 |                      | 3.5                             | 903          |
| 12-14          |       | .2                      |                                   |                       |      | .2                      | .1  | .4                    |                 |                      | .5                              | 914          |
| 15-17          | .3    | .5                      |                                   |                       |      | .5                      |     | .4                    |                 | .1                   | .5                              | 917          |
| 18-20          | .9    | 1.3                     |                                   |                       |      | 1.3                     | .1  | .6                    |                 |                      | .7                              | 909          |
| 21-23          |       | .4                      |                                   |                       |      | .4                      | .4  | .1                    |                 |                      | .5                              | 914          |
| TOTALS         | .2    | .3                      |                                   |                       |      | .3                      | 1.0 | .7                    |                 | .0                   | 1.7                             | 7273         |

GLOBAL CLIMATOLOGY BRANCH  
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 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: SEP

| HOURS (LST) | TSTMS | RAIN<br>&/OR<br>DRIZZLE | FRZING<br>RAIN<br>&/OR<br>DRIZZLE | SNOW<br>&/OR<br>SLEET | HAIL | % OBS<br>WITH<br>PRECIP | FOG | SMOKE<br>&/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>&/OR<br>SAND | % OBS<br>W/OBST<br>TO<br>VISION | TOTAL<br>OBS |
|-------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|-----|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02       | .2    | 1.0                     |                                   |                       |      | 1.0                     | .8  |                       |                 |                      | .8                              | 874          |
| 03-05       | .1    | .9                      |                                   |                       |      | .9                      | .8  | .1                    |                 |                      | .9                              | 872          |
| 06-08       |       |                         |                                   |                       |      |                         | 4.8 | 2.6                   |                 |                      | 7.5                             | 872          |
| 09-11       |       | .2                      |                                   |                       |      | .2                      | 2.8 | 3.6                   |                 |                      | 6.4                             | 886          |
| 12-14       | .1    | .6                      |                                   |                       |      | .6                      |     | .9                    |                 |                      | .9                              | 893          |
| 15-17       | .2    | .6                      |                                   |                       |      | .6                      | .3  | .9                    |                 |                      | 1.2                             | 884          |
| 18-20       | .2    | .8                      |                                   |                       |      | .8                      | .5  | 1.1                   |                 |                      | 1.5                             | 882          |
| 21-23       | .3    | .8                      |                                   |                       |      | .8                      | .6  | .1                    |                 |                      | .7                              | 881          |
| TOTALS      | .1    | .6                      |                                   |                       |      | .6                      | 1.3 | 1.2                   |                 |                      | 2.5                             | 7094         |

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: OCT

| HOURS (LST) | TSTMS | RAIN<br>&/OR<br>DRIZZLE | FRZING<br>RAIN<br>&/OR<br>DRIZZLE | SNOW<br>&/OR<br>SLEET | HAIL | % OBS<br>WITH<br>PRECIP | FOG | SMOKE<br>&/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>&/OR<br>SAND | % OBS<br>W/OBST<br>TO<br>VISION | TOTAL<br>OBS |
|-------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|-----|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02       | 1.0   | 3.6                     |                                   |                       |      | 3.6                     | 1.0 | .1                    |                 |                      | 1.1                             | 911          |
| 03-05       | 1.2   | 4.5                     |                                   |                       |      | 4.5                     | .8  | .1                    |                 |                      | .9                              | 913          |
| 06-08       | .8    | 6.1                     |                                   |                       |      | 6.1                     | 4.1 | .5                    |                 |                      | 4.7                             | 918          |
| 09-11       | .5    | 4.6                     |                                   |                       |      | 4.6                     | 5.9 | 2.7                   |                 |                      | 8.6                             | 921          |
| 12-14       | .5    | 3.6                     |                                   |                       |      | 3.6                     | 1.6 | 1.1                   |                 |                      | 2.7                             | 912          |
| 15-17       | 1.3   | 4.2                     |                                   |                       |      | 4.2                     | 1.0 | .8                    |                 |                      | 1.8                             | 910          |
| 18-20       | .4    | 4.9                     |                                   |                       |      | 4.9                     | .4  | .5                    |                 |                      | 1.0                             | 914          |
| 21-23       | .4    | 3.8                     |                                   |                       |      | 3.8                     | .3  | .1                    |                 |                      | .4                              | 922          |
| TOTALS      | .7    | 4.4                     |                                   |                       |      | 4.4                     | 1.9 | .7                    |                 |                      | 2.7                             | 7321         |

GLOBAL CLIMATOLOGY BRANCH  
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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: NOV

| HOURS (LST) | TSTMS | RAIN<br>E/OR<br>DRIZZLE | FRZING<br>RAIN<br>E/OR<br>DRIZZLE | SNOW<br>E/OR<br>SLEET | HAIL | % OBS<br>WITH<br>PRECIP | FOG | SMOKE<br>E/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>E/OR<br>SAND | % OBS<br>W/OBST<br>TO<br>VISION | TOTAL<br>OBS |
|-------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|-----|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02       | .1    | 5.1                     |                                   |                       |      | 5.1                     | 1.3 |                       |                 |                      | 1.3                             | 880          |
| 03-05       | .6    | 4.6                     |                                   |                       |      | 4.6                     | 2.3 |                       |                 |                      | 2.3                             | 874          |
| 06-08       | .9    | 6.0                     |                                   |                       |      | 6.0                     | 4.7 | .1                    |                 |                      | 4.8                             | 880          |
| 09-11       | .6    | 5.5                     |                                   |                       |      | 5.5                     | 6.3 | .8                    |                 |                      | 7.0                             | 885          |
| 12-14       | .5    | 5.1                     |                                   |                       |      | 5.1                     | 1.7 | .6                    |                 |                      | 2.3                             | 877          |
| 15-17       | .3    | 5.8                     |                                   |                       |      | 5.8                     | .8  | .8                    |                 |                      | 1.6                             | 879          |
| 18-20       | .6    | 6.8                     |                                   |                       |      | 6.8                     | 1.0 | .1                    |                 |                      | 1.1                             | 891          |
| 21-23       | .8    | 5.4                     |                                   |                       |      | 5.4                     | .4  | .1                    |                 |                      | .6                              | 895          |
| TOTALS      | .6    | 5.5                     |                                   |                       |      | 5.5                     | 2.3 | .3                    |                 |                      | 2.6                             | 7061         |

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: DEC

| HOURS (LST) | TSTMS | RAIN<br>E/OR<br>DRIZZLE | FRZING<br>RAIN<br>E/OR<br>DRIZZLE | SNOW<br>E/OR<br>SLEET | HAIL | % OBS<br>WITH<br>PRECIP | FOG | SMOKE<br>E/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>E/OR<br>SAND | % OBS<br>W/OBST<br>TO<br>VISION | TOTAL<br>OBS |
|-------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|-----|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02       | .8    | 7.0                     |                                   |                       |      | 7.0                     | 1.8 |                       |                 |                      | 1.8                             | 919          |
| 03-05       | .1    | 5.8                     |                                   |                       |      | 5.8                     | 1.4 |                       |                 |                      | 1.4                             | 910          |
| 06-08       | .7    | 7.1                     |                                   |                       |      | 7.1                     | 1.8 | .1                    |                 | .1                   | 2.0                             | 904          |
| 09-11       | .2    | 6.2                     |                                   | .2                    |      | 6.4                     | 5.5 | .8                    |                 |                      | 6.2                             | 915          |
| 12-14       | .2    | 7.1                     |                                   |                       |      | 7.1                     | 2.8 | .4                    |                 |                      | 3.2                             | 905          |
| 15-17       | .2    | 4.9                     |                                   | .2                    |      | 5.0                     | .9  |                       |                 |                      | .9                              | 907          |
| 18-20       | .7    | 5.6                     |                                   |                       |      | 5.6                     | 1.0 |                       |                 |                      | 1.0                             | 914          |
| 21-23       | .8    | 5.7                     |                                   |                       |      | 5.7                     | 1.7 |                       |                 |                      | 1.7                             | 922          |
| TOTALS      | .5    | 6.2                     |                                   | .1                    |      | 6.2                     | 2.1 | .2                    |                 | .0                   | 2.3                             | 7296         |

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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: ALL

| HOURS<br>(LST) | TSTMS | RAIN<br>&/OR<br>DRIZZLE | FRZING<br>RAIN<br>&/OR<br>DRIZZLE | SNOW<br>&/OR<br>SLEET | PAIL | % OBS<br>WITH<br>PRECIP | FOG | SMOKE<br>&/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>&/OR<br>SAND | % OBS<br>W/ CBST<br>TO<br>VISION | TOTAL<br>OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|-----|-----------------------|-----------------|----------------------|----------------------------------|--------------|
| JAN ALL        | .2    | 6.7                     |                                   | .4                    | .0   | 7.1                     | 1.5 | .4                    |                 | .0                   | 2.0                              | 7306         |
| FEB            | .4    | 7.2                     |                                   | .7                    |      | 7.9                     | 2.0 | .6                    |                 | .0                   | 2.6                              | 6618         |
| MAR            | .3    | 6.4                     |                                   | .4                    |      | 6.8                     | 4.5 | 1.1                   |                 | .0                   | 5.6                              | 7277         |
| APR            | .3    | 5.1                     |                                   |                       |      | 5.1                     | 4.4 | 1.4                   |                 | .0                   | 5.8                              | 7049         |
| MAY            | .6    | 2.3                     |                                   |                       | .0   | 2.3                     | 2.9 | .9                    |                 |                      | 3.8                              | 7310         |
| JUN            | .3    | .7                      |                                   |                       | .0   | .8                      | 1.4 | .7                    |                 |                      | 2.1                              | 6993         |
| JUL            | .2    | .4                      |                                   |                       |      | .4                      | 1.0 | .8                    |                 |                      | 1.8                              | 7283         |
| AUG            | .2    | .3                      |                                   |                       |      | .3                      | 1.0 | .7                    |                 | .0                   | 1.7                              | 7273         |
| SEP            | .1    | .6                      |                                   |                       |      | .6                      | 1.3 | 1.2                   |                 |                      | 2.5                              | 7044         |
| OCT            | .7    | 4.4                     |                                   |                       |      | 4.4                     | 1.9 | .7                    |                 |                      | 2.7                              | 7321         |
| NOV            | .6    | 5.5                     |                                   |                       |      | 5.5                     | 2.3 | .3                    |                 |                      | 2.6                              | 7061         |
| DEC            | .5    | 6.2                     |                                   | .1                    |      | 6.2                     | 2.1 | .2                    |                 | .0                   | 2.3                              | 7296         |
| TOTALS         | .4    | 3.8                     |                                   | .1                    | .0   | 4.0                     | 2.2 | .8                    |                 | .0                   | 3.0                              | 65831        |

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SEE SUPPLEMENTAL SECTION (SUMMARY OF DAY DATA) FOR THESE SUMMARIES.

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**DIVARIATE 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 IN 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 DIVARIATE 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  
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 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: MELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL | MEAN<br>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                   | 4.7  | 5.0  | 4.8   | .6    | .4    |       |       |       |       |       | 15.8         | 9.8   |
| NNE                    | .1                   | 3.5  | 3.1  | 3.6   | .9    | .6    | .1    |       |       |       |       | 11.9         | 10.9  |
| NE                     | .3                   | 2.0  | 1.3  | 1.0   | .2    | .2    |       |       |       |       |       | 5.1          | 9.5   |
| ENE                    | .2                   | 2.0  | 2.6  | .9    | .7    | .1    |       |       |       |       |       | 6.5          | 9.6   |
| E                      | .1                   | 2.1  | .7   | 1.0   | .3    |       |       |       |       |       |       | 4.2          | 8.7   |
| ESE                    | .2                   | 1.1  | .2   | .4    |       |       |       |       |       |       |       | 2.0          | 6.8   |
| SE                     | .2                   | 1.1  | .8   | .2    |       |       |       |       |       |       |       | 2.3          | 6.6   |
| SSE                    | .2                   | 1.0  | .7   | .8    |       |       |       |       |       |       |       | 2.6          | 7.9   |
| S                      |                      | .2   | .7   | 1.5   | .2    | .2    |       |       |       |       |       | 2.9          | 13.6  |
| SSW                    |                      | .2   | 1.0  | 1.3   | .6    | .1    |       |       |       |       |       | 3.2          | 12.8  |
| SW                     |                      |      | .4   | .8    | .3    |       |       |       |       |       |       | 1.5          | 14.2  |
| WSW                    |                      | .4   | .3   | .7    |       |       |       |       |       |       |       | 1.4          | 9.2   |
| W                      |                      | .3   | 1.0  |       | .1    |       |       |       |       |       |       | 1.4          | 9.1   |
| WNW                    |                      | .3   | .7   | .3    |       |       |       |       |       |       |       | 1.3          | 9.5   |
| NW                     |                      | .4   | .8   | .7    | .2    |       |       |       |       |       |       | 2.1          | 10.9  |
| NNW                    | .1                   | .2   | 1.1  | 1.8   | .4    |       | .1    |       |       |       |       | 3.7          | 12.9  |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |       |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |       | 32.0         | ////  |
| TOTALS                 | 1.9                  | 19.7 | 20.2 | 19.8  | 4.5   | 1.7   | .2    |       |       |       |       | 100.0        | 6.9   |

TOTAL NUMBER OF OBSERVATIONS: 909

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
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PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                   | 4.8  | 4.8  | 4.8   | 1.4   | .2    |       |       |       |       |       | 16.3       | 10.1         |
| NNE                    | .1                   | 3.4  | 3.3  | 2.5   | 1.3   | .6    | .1    |       |       |       |       | 11.4       | 10.9         |
| NE                     | .6                   | 2.3  | 1.2  | 1.1   | .2    | .2    |       |       |       |       |       | 5.6        | 8.5          |
| ENE                    | .8                   | 3.1  | 1.7  | .9    | .8    | .1    |       |       |       |       |       | 7.3        | 8.3          |
| E                      | .2                   | 1.8  | .2   | .9    | 1.1   |       |       |       |       |       |       | 4.2        | 10.5         |
| ESE                    | .2                   | .7   | .6   |       |       |       |       |       |       |       |       | 1.4        | 5.8          |
| SE                     | .1                   | 1.1  | .6   | .8    |       |       |       |       |       |       |       | 2.5        | 8.2          |
| SSE                    |                      | .8   | .7   | .6    | .1    |       |       |       |       |       |       | 2.1        | 9.2          |
| S                      | .1                   | .4   | .7   | .8    |       | .1    |       |       |       |       |       | 2.1        | 10.2         |
| SSW                    |                      | .2   | .4   | 2.0   | .3    | .1    | .1    |       |       |       |       | 3.2        | 13.6         |
| SW                     |                      | .2   | .8   | 1.0   | .3    |       |       |       |       |       |       | 2.3        | 12.4         |
| WSW                    | .1                   | .7   | .2   | .1    | .1    |       |       |       |       |       |       | 1.2        | 7.3          |
| W                      |                      | .6   | .6   | .4    |       | .1    |       |       |       |       |       | 1.7        | 9.9          |
| WNW                    |                      | .4   | .1   | .4    |       |       |       |       |       |       |       | 1.0        | 8.6          |
| NW                     | .1                   | .4   | .2   | .8    | .2    | .1    |       |       |       |       |       | 1.9        | 12.0         |
| NNW                    | .1                   | .9   | 1.8  | 1.3   | .2    | .3    |       | .1    |       |       |       | 4.8        | 11.7         |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |       | 31.0       | ////         |
| TOTALS                 | 2.8                  | 21.8 | 17.7 | 18.4  | 6.2   | 1.9   | .2    | .1    |       |       |       | 100.0      | 6.9          |

TOTAL NUMBER OF OBSERVATIONS: 904

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                   | 3.7  | 5.4  | 4.8   | .6    | .3    | .1    |       |       |       |            | 15.3         | 10.2  |
| NNE                    | .1                   | 3.3  | 3.6  | 3.5   | .8    | .1    | .3    |       |       |       |            | 11.8         | 10.7  |
| NE                     | .7                   | 3.6  | .9   | 1.7   | .3    | .3    |       |       |       |       |            | 7.5          | 8.6   |
| ENE                    | .8                   | 3.1  | .9   | 1.7   |       | .1    |       |       |       |       |            | 6.5          | 7.5   |
| E                      | .2                   | 2.3  | .7   | 1.4   | .3    | .7    |       |       |       |       |            | 5.6          | 10.4  |
| ESE                    | .1                   | 1.0  | .3   | .1    | .1    |       |       |       |       |       |            | 1.7          | 7.3   |
| SE                     |                      | .9   | .8   | .1    |       |       |       |       |       |       |            | 1.8          | 7.1   |
| SSE                    | .1                   | 1.4  | 1.1  | 1.1   | .1    |       |       |       |       |       |            | 3.9          | 8.5   |
| S                      |                      | .7   | .6   | .4    |       |       |       |       |       |       |            | 1.7          | 8.9   |
| SSW                    |                      | .1   | 1.0  | 1.3   | .8    | .1    |       |       |       |       |            | 3.3          | 13.7  |
| SW                     | .1                   | .3   | .6   | .6    |       | .2    |       |       |       |       |            | 1.8          | 11.5  |
| WSW                    |                      | .6   | .7   | .4    | .1    |       |       |       |       |       |            | 1.8          | 9.5   |
| W                      |                      | .3   | .6   | .6    | .1    | .1    | .1    |       |       |       |            | 1.8          | 12.2  |
| WNW                    |                      | .1   | .2   | .2    | .1    |       |       |       |       |       |            | .7           | 11.5  |
| NW                     | .1                   | .2   | 1.0  | .7    | .1    |       |       |       |       |       |            | 2.1          | 9.9   |
| NNW                    | .1                   | .7   | 1.0  | 1.5   | .6    | .1    | .2    |       |       |       |            | 4.2          | 12.5  |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 28.9         | ////  |
| TOTALS                 | 2.6                  | 22.3 | 19.1 | 20.1  | 4.0   | 2.1   | .8    |       |       |       |            | 100.0        | 7.1   |

TOTAL NUMBER OF OBSERVATIONS: 909

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                   | 4.9  | 5.5  | 6.7   | 1.3   |       |       | .2    |       |       |       | 18.8       | 10.5         |
| NNE                    | .2                   | 2.0  | 2.9  | 4.1   | 1.0   | .2    | .1    | .1    |       |       |       | 10.5       | 11.7         |
| NE                     | .1                   | .7   | 1.5  | 1.4   | .7    |       |       |       |       |       |       | 4.4        | 11.4         |
| ENE                    | .2                   | 1.0  | 1.0  | 2.2   | .3    | .2    |       |       |       |       |       | 4.9        | 11.5         |
| E                      | .1                   | .5   | .7   | 1.5   | .5    |       |       |       |       |       |       | 3.4        | 12.1         |
| ESE                    |                      | .4   | .1   | .3    | .1    | .1    |       |       |       |       |       | 1.1        | 10.4         |
| SE                     |                      | .8   | .3   | .3    | .1    |       |       |       |       |       |       | 1.5        | 8.6          |
| SSE                    |                      | 1.2  | .7   | .7    | .2    |       |       |       |       |       |       | 2.7        | 9.0          |
| S                      |                      | .9   | 1.3  | .9    | .3    | .1    |       |       |       |       |       | 3.5        | 10.4         |
| SSW                    |                      | .3   | .7   | 1.2   | .5    | .2    | .1    |       |       |       |       | 3.1        | 13.9         |
| SW                     |                      | .3   | .5   | .8    | .1    | .1    |       |       |       |       |       | 1.9        | 11.5         |
| WSW                    | .1                   | .8   | .5   | .5    | .4    |       |       |       |       |       |       | 2.4        | 9.8          |
| W                      |                      | .7   | 1.1  | .9    | .2    |       |       |       |       |       |       | 2.9        | 10.2         |
| WNW                    | .1                   | .8   | 1.0  | .7    | .1    |       |       |       |       |       |       | 2.6        | 9.6          |
| NW                     | .1                   | .8   | .3   | .5    | .1    |       | .1    |       |       |       |       | 2.9        | 10.3         |
| NNW                    | .1                   | 1.2  | 1.8  | .9    | .5    | .5    |       | .1    |       |       |       | 5.2        | 11.7         |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |       | 29.0       | ////         |
| TOTALS                 | 1.2                  | 17.3 | 19.9 | 23.6  | 6.7   | 1.5   | .3    | .4    |       |       |       | 100.0      | 7.8          |

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: 167160 STATION NAME: PELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: JAN HOURS/LSY: 1200-1400

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                   | 2.4  | 4.3  | 7.5   | 1.9   | .1    |       | .1    |       |       |            | 16.5         | 12.0  |
| NNE                    |                      | .7   | 3.6  | 5.2   | 1.4   | .2    |       | .2    |       |       |            | 11.3         | 13.3  |
| NE                     |                      | .6   | 1.4  | 1.1   | .8    |       |       |       |       |       |            | 3.9          | 11.9  |
| ENE                    |                      | .2   | 1.3  | 1.6   | .6    | .1    | .1    |       |       |       |            | 3.9          | 13.4  |
| E                      |                      | .3   | .8   | .4    | .4    | .1    |       |       |       |       |            | 2.1          | 12.3  |
| ESE                    |                      | .2   | .6   | .2    |       |       |       |       |       |       |            | 1.0          | 9.3   |
| SE                     |                      |      |      | .6    | .1    |       |       |       |       |       |            | .7           | 14.8  |
| SSE                    |                      | .8   | .3   | .3    | .4    | .2    |       |       |       |       |            | 2.1          | 11.7  |
| S                      | .1                   | 1.1  | 2.2  | 2.9   | .3    | .1    |       |       |       |       |            | 6.8          | 10.9  |
| SSW                    | .1                   | 1.3  | .9   | 2.3   | .6    | .2    | .1    |       |       |       |            | 5.5          | 12.0  |
| SW                     |                      | 1.1  | .4   | .9    | .2    |       |       |       |       |       |            | 2.7          | 9.1   |
| WSW                    | .1                   | 1.8  | .2   | .1    |       |       |       |       |       |       |            | 2.2          | 5.4   |
| W                      |                      | 2.9  | 2.1  | 1.4   | .2    | .1    |       |       |       |       |            | 6.8          | 9.8   |
| WNW                    | .2                   | 2.4  | 1.7  | .6    | .1    | .1    |       |       |       |       |            | 5.1          | 8.0   |
| NW                     | .1                   | 2.4  | 1.0  | 1.0   |       | .2    |       |       |       |       |            | 4.8          | 8.5   |
| NNW                    | .2                   | 3.1  | 2.6  | 2.2   | .6    | .3    |       |       |       |       |            | 9.0          | 9.8   |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 15.6         | ////  |
| TOTALS                 | 1.0                  | 21.4 | 23.4 | 28.4  | 7.7   | 1.9   | .2    | .3    |       |       |            | 100.0        | 9.2   |

TOTAL NUMBER OF OBSERVATIONS: 901

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: MELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |       |       |       |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|------------|--------------|-------|-------|-------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 |            |              | 41-47 | 48-55 | GE 56 |
| N                      |                      | 2.2  | 5.7  | 4.3   | 1.1   | .4    |       |       |            |              |       | 13.6  | 11.2  |
| NNE                    |                      | 1.0  | 1.6  | 5.9   | 1.5   |       | .2    | .1    |            |              |       | 10.4  | 13.6  |
| NE                     |                      | .7   | 1.1  | 2.6   | .8    | .1    |       |       |            |              |       | 5.2   | 12.8  |
| ENE                    |                      | .4   | 1.7  | 1.6   | .2    | .5    | .2    | .1    |            |              |       | 4.9   | 13.8  |
| E                      |                      | .9   | 1.6  | 1.4   |       |       |       |       |            |              |       | 3.9   | 10.0  |
| ESE                    |                      | .1   | .3   |       |       |       |       |       |            |              |       | .4    | 8.0   |
| SE                     | .1                   | .1   | .1   | .1    |       |       |       |       |            |              |       | .4    | 7.3   |
| SSE                    |                      | 1.2  | 1.1  | 1.2   | .5    |       |       |       |            |              |       | 4.0   | 10.3  |
| S                      | .1                   | 3.3  | 2.5  | 2.4   | 1.0   |       |       |       |            |              |       | 9.3   | 9.8   |
| SSW                    | .2                   | 3.5  | 1.5  | 2.8   | .3    | .4    | .1    |       |            |              |       | 9.0   | 10.1  |
| SW                     | .1                   | 1.1  | .3   | .7    | .1    |       |       |       |            |              |       | 2.3   | 8.5   |
| WSW                    | .1                   | 1.6  | .2   | .2    |       |       |       |       |            |              |       | 2.2   | 5.8   |
| W                      | .3                   | 1.9  | .4   | 1.2   | .2    |       |       |       |            |              |       | 4.0   | 8.6   |
| WNW                    |                      | 2.0  | .9   | .1    |       |       |       |       |            |              |       | 2.9   | 6.4   |
| NW                     |                      | 1.3  | 1.1  | .8    | .5    | .3    |       |       |            |              |       | 3.8   | 11.5  |
| NNW                    |                      | 2.1  | 2.8  | 3.6   | 1.9   | .2    |       |       |            |              |       | 10.6  | 11.9  |
| VARIABLE               |                      |      |      |       |       |       |       |       |            |              |       |       |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |            |              |       | 12.9  | ////  |
| TOTALS                 | 1.0                  | 23.0 | 23.1 | 28.9  | 8.2   | 2.1   | .5    | .2    |            |              |       | 100.0 | 9.5   |

TOTAL NUMBER OF OBSERVATIONS: 916

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                   | 3.6  | 6.3  | 4.6   | 1.5   | .1    |       |       |       |       |            | 16.4         | 10.4  |
| NNE                    | .4                   | 1.5  | 3.5  | 3.7   | .7    | .3    | .2    | .2    |       |       |            | 10.6         | 11.8  |
| NE                     |                      | 2.3  | 1.6  | 2.0   | .7    | .1    | .3    |       |       |       |            | 7.0          | 10.9  |
| ENE                    | .1                   | 1.9  | 2.4  | .9    | .1    | .1    | .1    |       |       |       |            | 5.6          | 9.2   |
| E                      | .4                   | 2.5  | 1.1  | 1.4   | .5    |       |       | .1    |       |       |            | 6.1          | 9.3   |
| ESE                    | .7                   | 1.4  | .5   | .2    | .1    |       |       |       |       |       |            | 3.0          | 6.0   |
| SE                     | .2                   | 1.5  | .7   | .5    |       |       |       |       |       |       |            | 3.0          | 6.8   |
| SSE                    | .2                   | 1.6  | .8   | .5    | .1    |       |       |       |       |       |            | 3.3          | 7.7   |
| S                      | .2                   | 1.4  | 1.3  | 1.2   | 1.0   |       |       |       |       |       |            | 5.1          | 10.3  |
| SSW                    |                      | .7   | 1.0  | 1.1   | .3    | .3    | .1    |       |       |       |            | 3.5          | 12.4  |
| SW                     |                      | .3   | .9   | .9    | .3    | .1    |       |       |       |       |            | 2.5          | 12.2  |
| WSW                    |                      | .4   | .5   | .7    |       |       |       |       |       |       |            | 1.6          | 9.9   |
| W                      | .2                   | .3   | .4   | .9    |       |       |       |       |       |       |            | 1.9          | 9.8   |
| WNW                    |                      | .7   | .1   | .2    | .1    |       |       |       |       |       |            | 1.1          | 8.0   |
| NW                     | .1                   | .1   | .1   | .5    | .4    |       |       |       |       |       |            | 1.3          | 13.5  |
| NNW                    | .1                   | 1.0  | 1.3  | 2.8   | 1.3   | .3    |       |       |       |       |            | 6.9          | 13.0  |
| VARIABLE               |                      | .1   |      |       |       |       |       |       |       |       |            | .1           | 4.0   |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 21.0       | ////         |       |
| TOTALS                 | 3.0                  | 21.4 | 22.6 | 22.2  | 7.2   | 1.4   | .8    | .3    |       |       |            | 100.0        | 8.2   |

TOTAL NUMBER OF OBSERVATIONS: 914



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 79-87  
 MONTH: JAN HOURS(LOCAL): 2100-2300

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |       |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
|                        | 1-3                                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 |            |              | GE 56 |
| N                      |                                      | 4.8  | 5.5  | 3.5   | 1.1   | .2    |       |       |       |       |            | 15.1         | 9.7   |
| NNE                    |                                      | 3.3  | 2.7  | 3.0   | 1.4   | .1    | .7    |       |       |       |            | 11.2         | 11.4  |
| NE                     | .3                                   | 2.0  | .9   | 1.6   | .3    |       | .1    |       |       |       |            | 5.3          | 9.5   |
| ENE                    | 1.1                                  | 1.4  | 1.4  | 2.0   | .2    |       |       |       |       |       |            | 6.1          | 8.8   |
| E                      | .1                                   | 1.6  | 1.6  | 1.4   | .3    |       |       |       |       |       |            | 5.2          | 9.1   |
| ESE                    | .2                                   | .8   | .9   | .1    |       |       |       |       |       |       |            | 2.0          | 6.8   |
| SE                     | .2                                   | 1.4  | .7   | .7    |       |       |       |       |       |       |            | 3.0          | 7.3   |
| SSE                    | .2                                   | 1.1  | .7   | .4    | .1    |       |       |       |       |       |            | 2.5          | 7.9   |
| S                      |                                      | .5   | .4   | 1.2   | .3    |       |       |       |       |       |            | 2.5          | 11.5  |
| SSW                    |                                      | .3   | .9   | 1.3   | .7    | .2    |       |       |       |       |            | 3.4          | 13.1  |
| SW                     |                                      | .2   | .3   | .7    | .5    | .1    |       |       |       |       |            | 1.9          | 14.5  |
| WSW                    |                                      | .5   | .5   | .2    |       |       |       |       |       |       |            | 1.3          | 7.8   |
| W                      | .2                                   | .1   | .7   | 1.3   | .3    |       |       |       |       |       |            | 2.6          | 11.4  |
| WNW                    |                                      | .1   | .8   | .7    |       |       |       |       |       |       |            | 1.5          | 10.2  |
| NW                     |                                      | .3   | .1   | .7    | .2    |       |       |       |       |       |            | 1.3          | 11.8  |
| NNW                    | .1                                   | 1.0  | 1.1  | 3.4   | .7    |       |       |       |       |       |            | 6.3          | 12.1  |
| VARIABLE               | //////////////////////////////////// |      |      |       |       |       |       |       |       |       |            | 28.8         | ////  |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |       |            | 28.8         | ////  |
| TOTALS                 | 2.5                                  | 19.6 | 19.2 | 22.2  | 6.3   | .7    | .8    |       |       |       |            | 100.0        | 7.3   |

TOTAL NUMBER OF OBSERVATIONS: 911

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: 167160 STATION NAME: PELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                   | 3.9  | 5.3  | 5.1   | 1.2   | .2    | .0    | .0    |       |       |            | 16.0         | 10.5  |
| NNE                    | .1                   | 2.3  | 3.0  | 3.9   | 1.1   | .3    | .2    | .1    |       |       |            | 11.1         | 11.7  |
| NE                     | .2                   | 1.8  | 1.3  | 1.6   | .5    | .1    | .1    |       |       |       |            | 5.5          | 10.2  |
| ENE                    | .4                   | 1.6  | 1.6  | 1.5   | .4    | .2    | .1    | .0    |       |       |            | 5.7          | 9.9   |
| E                      | .2                   | 1.5  | .9   | 1.2   | .5    | .1    |       | .0    |       |       |            | 4.3          | 10.0  |
| ESE                    | .2                   | .7   | .4   | .2    | .0    | .0    |       |       |       |       |            | 1.6          | 7.1   |
| SE                     | .1                   | .9   | .5   | .4    | .0    |       |       |       |       |       |            | 1.9          | 7.7   |
| SSE                    | .1                   | 1.1  | .7   | .7    | .2    | .0    |       |       |       |       |            | 2.9          | 9.0   |
| S                      | .1                   | 1.1  | 1.2  | 1.4   | .4    | .1    |       |       |       |       |            | 4.2          | 10.6  |
| SSW                    | .0                   | .8   | .9   | 1.7   | .5    | .2    | .1    |       |       |       |            | 4.3          | 12.2  |
| SW                     | .0                   | .5   | .5   | .8    | .2    | .1    |       |       |       |       |            | 2.1          | 11.5  |
| WSW                    | .1                   | .9   | .4   | .4    | .1    |       |       |       |       |       |            | 1.8          | 8.0   |
| W                      | .1                   | .9   | .9   | .8    | .2    | .0    | .0    |       |       |       |            | 2.9          | 9.7   |
| WNW                    | .0                   | .9   | .7   | .4    | .1    | .0    |       |       |       |       |            | 2.0          | 8.5   |
| NW                     | .1                   | .7   | .6   | .7    | .2    | .1    | .0    |       |       |       |            | 2.4          | 10.6  |
| NNW                    | .1                   | 1.3  | 1.7  | 2.2   | .8    | .2    | .0    | .0    |       |       |            | 6.3          | 11.8  |
| VARIABLE               |                      | .0   |      |       |       |       |       |       |       |       |            | .0           | 4.0   |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 24.9       | ////         |       |
| TOTALS                 | 2.0                  | 20.8 | 20.7 | 23.0  | 6.3   | 1.6   | .5    | .2    |       |       |            | 100.0        | 7.9   |

TOTAL NUMBER OF OBSERVATIONS: 7274

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: FEB HOURS(LST): 0000-0400

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                   | 6.5  | 5.0  | 3.3   | .1    |       |       |       |       |       |            | 15.4         | 8.0   |
| NNE                    | .4                   | 3.5  | 5.1  | 4.2   | 1.5   | .2    |       |       |       |       |            | 14.9         | 10.5  |
| NE                     | .2                   | 1.5  | 1.8  | 2.9   |       |       |       |       |       |       |            | 6.4          | 10.0  |
| ENE                    | .2                   | 2.2  | 1.5  | 1.9   | .2    | .1    |       |       |       |       |            | 6.2          | 9.5   |
| E                      | .5                   | 1.9  | .5   | 1.5   | .5    |       |       |       |       |       |            | 4.8          | 9.1   |
| ESE                    | .2                   | .4   | .2   | .5    |       |       |       |       |       |       |            | 1.3          | 8.8   |
| SE                     |                      | 1.2  | .8   | .8    |       |       |       |       |       |       |            | 2.9          | 8.4   |
| SSE                    | .1                   | 1.7  | 1.0  | 1.5   |       |       |       |       |       |       |            | 4.2          | 8.9   |
| S                      |                      | .2   | 1.8  | 1.3   | .2    |       |       |       |       |       |            | 3.6          | 11.3  |
| SSW                    |                      | .1   | .4   | 1.5   | .1    |       |       |       |       |       |            | 2.1          | 12.8  |
| SW                     |                      |      | .1   | 1.0   |       |       |       |       |       |       |            | 1.1          | 12.1  |
| WSW                    | .1                   |      |      | .1    |       |       |       |       |       |       |            | .2           | 7.5   |
| W                      |                      | .4   | .4   |       |       |       |       |       |       |       |            | .7           | 6.8   |
| WNW                    |                      | .1   | .2   |       |       |       |       |       |       |       |            | .4           | 7.0   |
| NW                     | .1                   | .4   | .5   | 1.0   | .1    |       |       |       |       |       |            | 2.1          | 11.7  |
| NNW                    | .1                   | 1.1  | .8   | .8    | .1    |       |       |       |       |       |            | 3.0          | 9.0   |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 30.7         | ////  |
| TOTALS                 | 2.5                  | 21.2 | 20.1 | 22.2  | 2.9   | .4    |       |       |       |       |            | 100.0        | 6.6   |

TOTAL NUMBER OF OBSERVATIONS: 827

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 |            |              |
| N                      | 1.2                                  | 6.9  | 5.3  | 2.1   | .5    |       |       | 15.9       | 7.7          |
| NNE                    | .1                                   | 3.1  | 4.0  | 4.7   | 1.3   | .1    |       | 13.4       | 10.6         |
| NE                     | .4                                   | 2.7  | .8   | 2.5   | .7    |       |       | 7.1        | 9.7          |
| ENE                    | .6                                   | 3.1  | 1.8  | 1.2   | .1    | .2    |       | 7.1        | 8.1          |
| E                      | .6                                   | 2.4  | .7   | 1.1   | .1    | .1    |       | 5.1        | 7.5          |
| ESE                    |                                      | .5   | .7   | .4    |       |       |       | 1.6        | 8.8          |
| SE                     | .4                                   | 1.6  | .7   | .8    | .1    |       |       | 3.6        | 7.8          |
| SSE                    | .1                                   | 2.1  | 1.3  | .8    |       |       |       | 4.4        | 7.9          |
| S                      |                                      | .7   | .8   | 1.6   | .5    |       |       | 3.6        | 11.4         |
| SSW                    |                                      | .1   | 1.0  | 1.0   | .4    | .1    |       | 2.5        | 12.8         |
| SW                     |                                      | .4   | .2   | .1    |       |       |       | .7         | 8.2          |
| WSW                    |                                      |      | .4   | .1    |       |       |       | .5         | 10.0         |
| W                      |                                      | .1   |      |       |       |       |       | .1         | 6.0          |
| WNW                    |                                      | .2   |      | .1    |       |       |       | .4         | 8.3          |
| NW                     |                                      | .4   | .4   | .2    | .1    |       |       | 1.1        | 9.9          |
| NNW                    | .2                                   | 1.3  | .5   | 1.0   | .5    |       |       | 3.5        | 9.9          |
| VARIABLE               | //////////////////////////////////// |      |      |       |       |       |       | 29.3       | ////         |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       | 29.3       | ////         |
| TOTALS                 | 3.6                                  | 25.5 | 18.8 | 17.8  | 4.4   | .6    |       | 100.0      | 6.4          |

TOTAL NUMBER OF OBSERVATIONS: 826

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: MELLENIMON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 |            |              |
| N                      | .6                   | 6.3  | 4.3  | 3.6   | .4    | .2    |       |       |       |       |       | 15.4       | 8.6          |
| NNE                    |                      | 5.0  | 3.8  | 4.6   | 1.3   |       |       |       |       |       |       | 14.8       | 10.3         |
| NE                     | .4                   | 3.8  | 1.7  | 2.7   | .6    |       |       |       |       |       |       | 9.1        | 9.1          |
| ENE                    | .6                   | 3.5  | .9   | 1.3   | .4    | .2    |       |       |       |       |       | 6.9        | 8.2          |
| E                      | .4                   | 2.3  | .7   | 1.0   | .4    |       |       |       |       |       |       | 4.7        | 8.2          |
| ESE                    | .1                   | 1.1  | .2   | .6    | .1    |       |       |       |       |       |       | 2.2        | 8.3          |
| SE                     |                      | 1.2  | .9   | 1.0   | .5    |       |       |       |       |       |       | 3.5        | 10.1         |
| SSE                    |                      | 1.7  | 1.2  | 1.6   | .4    |       |       |       |       |       |       | 4.9        | 9.7          |
| S                      |                      | .9   | 1.7  | 1.1   | .1    |       |       |       |       |       |       | 3.8        | 9.7          |
| SSW                    |                      |      | .2   | 1.5   | .2    | .1    |       |       |       |       |       | 2.1        | 14.1         |
| SW                     |                      | .2   |      | .4    |       |       |       |       |       |       |       | .6         | 10.0         |
| WSW                    |                      | .1   |      | .1    |       |       |       |       |       |       |       | .2         | 8.0          |
| W                      | .1                   | .1   | .2   |       |       |       |       |       |       |       |       | .5         | 5.8          |
| WNW                    |                      |      | .4   |       |       |       |       |       |       |       |       | .4         | 8.3          |
| NW                     | .1                   | .4   | .1   | .4    |       |       |       |       |       |       |       | 1.0        | 7.9          |
| NNW                    |                      | .5   | .1   | 1.5   | .1    |       |       |       |       |       |       | 2.2        | 11.8         |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |       | 27.7       | ////         |
| TOTALS                 | 2.3                  | 27.1 | 16.4 | 21.3  | 4.5   | .6    |       |       |       |       |       | 100.0      | 6.8          |

TOTAL NUMBER OF OBSERVATIONS: 823

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 |            |              |
| N                      | .2                   | 3.1  | 6.1  | 3.9   | 1.7   | .2    |       | 15.3       | 10.5         |
| NNE                    | .1                   | 2.4  | 4.0  | 7.9   | 1.5   | .1    |       | 16.0       | 11.8         |
| NE                     |                      | 1.2  | 1.2  | 1.6   | 1.1   |       |       | 5.1        | 12.0         |
| ENE                    |                      | .8   | 1.5  | 2.5   | .8    | .2    |       | 5.9        | 12.8         |
| E                      | .1                   | .5   | 1.0  | 1.2   | .5    | .1    |       | 3.4        | 11.5         |
| ESE                    | .1                   | .2   | .4   | .6    |       |       |       | 1.3        | 9.9          |
| SE                     |                      | .7   | 1.0  | 1.2   | .2    |       |       | 3.1        | 11.2         |
| SSE                    | .1                   | 1.7  | 1.9  | 1.3   | .8    |       |       | 5.9        | 10.2         |
| S                      | .2                   | .6   | 1.1  | 2.1   | .6    |       |       | 4.6        | 11.8         |
| SSW                    | .1                   | .7   | .8   | 1.5   | .5    | .1    |       | 3.8        | 11.4         |
| SW                     |                      | .1   | .2   | .1    |       |       |       | .5         | 9.5          |
| WSW                    | .1                   | .2   |      |       | .1    |       |       | .5         | 7.3          |
| W                      | .5                   | .6   | .6   | .4    | .1    |       |       | 2.2        | 7.6          |
| WNW                    |                      | 1.7  | .2   | .1    |       |       |       | 2.1        | 6.1          |
| NW                     | .1                   | 1.3  | 1.1  | .2    |       |       |       | 2.8        | 6.8          |
| NNW                    |                      | 1.9  | .8   | 1.3   | .1    |       |       | 4.2        | 8.9          |
| VARIABLE               |                      |      |      |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       | 23.4       | ////         |
| TOTALS                 | 1.9                  | 18.0 | 21.9 | 25.9  | 8.1   | .8    |       | 100.0      | 8.2          |

TOTAL NUMBER OF OBSERVATIONS: 826

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       |       | TOTAL | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 |       |              |
| N                      | .2                   | 1.6  | 4.5  | 3.8   | 1.5   | .2    | .1    |       |       |       |       | 12.0  | 11.7         |
| NNE                    |                      | 1.5  | 2.9  | 6.0   | 1.8   | 1.1   |       |       |       |       |       | 13.4  | 13.5         |
| NE                     |                      | .2   | .9   | 3.2   | 1.6   | .1    |       |       |       |       |       | 6.0   | 14.3         |
| ENE                    |                      |      | 2.2  | 1.8   | 1.2   | .2    |       |       |       |       |       | 5.5   | 13.6         |
| E                      |                      | .4   | .7   | 1.6   | .9    |       |       |       |       |       |       | 3.6   | 12.9         |
| ESE                    |                      | .2   | .1   | .1    | .1    |       |       |       |       |       |       | .6    | 10.2         |
| SE                     |                      | .2   | .4   | .5    | .2    |       |       |       |       |       |       | 1.3   | 12.3         |
| SSE                    | .1                   | .4   | 1.8  | 2.9   | .9    |       |       |       |       |       |       | 6.1   | 12.4         |
| S                      |                      | .5   | 2.7  | 3.1   | .9    | .1    |       |       |       |       |       | 7.2   | 12.1         |
| SSW                    | .1                   | 2.1  | 1.8  | 2.1   | .5    | .1    |       |       |       |       |       | 6.7   | 10.0         |
| SW                     | .1                   | 2.0  | .1   | .5    | .1    |       |       |       |       |       |       | 2.8   | 6.9          |
| WSW                    | .4                   | 3.2  | .5   |       |       |       |       |       |       |       |       | 4.0   | 5.1          |
| W                      | .2                   | 5.4  | 1.1  | .4    |       |       |       |       |       |       |       | 7.1   | 6.0          |
| WNW                    | .2                   | 2.1  | 2.0  | .2    | .1    |       |       |       |       |       |       | 4.7   | 7.3          |
| NW                     | .1                   | 2.3  | 1.0  | .6    | .4    |       |       |       |       |       |       | 4.4   | 7.9          |
| NNW                    |                      | 1.5  | 1.7  | 1.7   | .2    |       |       |       |       |       |       | 5.1   | 9.6          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |       |       |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |       | 9.3   | ////         |
| TOTALS                 | 1.6                  | 23.5 | 24.5 | 28.6  | 10.4  | 2.0   | .1    |       |       |       |       | 100.0 | 9.8          |

TOTAL NUMBER OF OBSERVATIONS: 916

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: MELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |       |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
|                        | 1-3                                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 |            |              | GE 56 |
| N                      |                                      | .6   | 3.1  | 4.0   | 1.2   |       |       |       |       |       |            | 8.9          | 11.9  |
| NNE                    |                                      | 1.1  | 2.8  | 7.6   | 2.7   | .4    | .1    |       |       |       |            | 14.7         | 13.5  |
| NE                     |                                      |      | 1.7  | 4.0   | .6    |       |       |       |       |       |            | 6.3          | 13.2  |
| ENE                    |                                      | .7   | 1.3  | 3.7   | .9    | .1    |       |       |       |       |            | 6.7          | 12.6  |
| E                      |                                      | .5   | 1.2  | 2.2   | .2    |       |       |       |       |       |            | 4.2          | 12.0  |
| ESE                    |                                      | .4   | .2   | .6    | .1    |       |       |       |       |       |            | 1.3          | 10.8  |
| SE                     |                                      | .1   | .9   | .9    | .2    |       |       |       |       |       |            | 2.1          | 11.5  |
| SSE                    |                                      |      | 1.3  | 1.7   | 3.3   | .7    |       |       |       |       |            | 7.1          | 11.3  |
| S                      | .4                                   | 2.4  | 3.1  | 2.9   | 1.1   |       |       |       |       |       |            | 9.9          | 10.2  |
| SSW                    | .2                                   | 3.7  | 5.4  | 1.3   | .6    |       |       |       |       |       |            | 11.2         | 8.5   |
| SW                     |                                      | 2.4  | .7   |       |       |       |       |       |       |       |            | 3.2          | 5.7   |
| WSW                    | .1                                   | 2.0  | .1   | .2    |       |       |       |       |       |       |            | 2.4          | 5.5   |
| W                      | .2                                   | 2.6  | 1.2  | .6    |       |       |       |       |       |       |            | 4.6          | 7.1   |
| WNW                    | .1                                   | .7   | 1.1  | .5    | .1    |       |       |       |       |       |            | 2.6          | 8.7   |
| NW                     |                                      | .7   | 1.0  | .5    | .4    |       |       |       |       |       |            | 2.6          | 10.1  |
| NNW                    |                                      | 1.0  | 2.1  | 1.0   | .2    |       |       |       |       |       |            | 4.3          | 9.9   |
| VARIABLE               | //////////////////////////////////// |      |      |       |       |       |       |       |       |       |            | 7.9          | ////  |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |       |            | 7.9          | ////  |
| TOTALS                 | 1.1                                  | 20.3 | 27.6 | 33.3  | 9.2   | .5    | .1    |       |       |       |            | 100.0        | 9.9   |

TOTAL NUMBER OF OBSERVATIONS: 819



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: FEB HOURS(LST): 1800-2400

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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  | 3.3  | 3.6   | .5    | .2    |       |       |       |       |       | 9.4        | 10.9         |
| NNE                    | .1                   | 1.3  | 4.3  | 5.0   | 2.1   | .5    |       |       |       |       |       | 13.3       | 12.5         |
| NE                     | .1                   | 1.0  | 3.3  | 3.7   | .8    | .2    |       |       |       |       |       | 9.2        | 11.5         |
| ENE                    | .5                   | 1.2  | 2.9  | 3.6   | .5    | .1    |       |       |       |       |       | 8.8        | 10.6         |
| E                      | .1                   | 1.2  | 1.9  | 2.9   | .4    | .2    |       |       |       |       |       | 6.8        | 11.1         |
| ESE                    |                      | 1.0  | .6   | .7    |       |       |       |       |       |       |       | 2.3        | 8.2          |
| SE                     | .4                   | 1.4  | 1.2  | 1.3   | .1    |       |       |       |       |       |       | 4.5        | 8.6          |
| SSE                    | .8                   | 2.8  | 1.3  | 2.3   | .4    |       |       |       |       |       |       | 7.6        | 8.6          |
| S                      | .2                   | 3.0  | .8   | 1.7   | .6    |       |       |       |       |       |       | 6.4        | 9.1          |
| SSW                    |                      | 2.1  | .8   | 1.0   | .6    |       |       |       |       |       |       | 4.5        | 9.5          |
| SW                     |                      | .5   | .4   | .4    | .1    | .1    |       |       |       |       |       | 1.4        | 10.8         |
| WSW                    | .1                   | .4   | .4   | .1    |       |       |       |       |       |       |       | 1.0        | 6.9          |
| W                      |                      | .8   | .2   | .2    |       |       |       |       |       |       |       | 1.3        | 7.5          |
| VNW                    |                      | .4   | .2   | .4    |       |       |       |       |       |       |       | 1.0        | 8.5          |
| NW                     |                      | 1.0  | .6   | .2    | .1    |       |       |       |       |       |       | 1.9        | 8.6          |
| NNW                    |                      | .7   | 1.8  | 1.7   | .2    |       |       |       |       |       |       | 4.5        | 10.4         |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |       | 16.2       | ////         |
| TOTALS                 | 2.4                  | 20.5 | 24.2 | 28.9  | 6.4   | 1.4   |       |       |       |       |       | 100.0      | 8.7          |

TOTAL NUMBER OF OBSERVATIONS: 828

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167163 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                   | 2.5  | 4.5  | 2.7   | .5    |       |       |       |       |       |            | 17.2         | 9.6   |
| NNE                    | .4                   | 2.5  | 4.7  | 4.7   | 1.2   | .1    |       |       |       |       |            | 13.6         | 10.7  |
| NE                     | .4                   | 2.5  | 1.9  | 2.5   | .4    |       |       |       |       |       |            | 7.7          | 9.4   |
| ENE                    | .2                   | 2.0  | 3.9  | 3.1   | .6    | .1    |       |       |       |       |            | 10.0         | 10.2  |
| E                      | .7                   | 2.3  | 1.8  | 1.6   | .2    |       |       |       |       |       |            | 6.6          | 8.2   |
| ESE                    | .5                   | 1.2  | .5   | .2    |       |       |       |       |       |       |            | 2.4          | 6.1   |
| SE                     | .6                   | .4   | .8   | 1.4   | .2    |       |       |       |       |       |            | 3.5          | 9.9   |
| SSE                    | .2                   | .8   | 1.6  | 1.7   | .2    |       |       |       |       |       |            | 4.6          | 10.4  |
| S                      |                      | .6   | 1.4  | 1.9   | .2    |       |       |       |       |       |            | 4.2          | 11.3  |
| SSW                    | .1                   | .5   | .6   | .5    | .1    |       |       |       |       |       |            | 1.8          | 9.4   |
| SW                     |                      |      | .4   | .6    |       |       |       |       |       |       |            | 1.0          | 11.5  |
| WSW                    |                      | .8   | .4   |       |       |       |       |       |       |       |            | 1.2          | 6.0   |
| W                      |                      | .2   | .1   | .1    |       |       |       |       |       |       |            | .5           | 8.3   |
| WNW                    |                      | .5   | .4   | .1    |       |       |       |       |       |       |            | 1.0          | 8.1   |
| NW                     | .2                   | .5   | .4   | .7    |       |       |       |       |       |       |            | 1.8          | 8.5   |
| NNW                    |                      | .5   | 1.4  | .7    |       |       |       |       |       |       |            | 2.7          | 9.4   |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 27.2         | ////  |
| TOTALS                 | 3.5                  | 18.0 | 24.7 | 22.7  | 3.7   | .2    |       |       |       |       |            | 100.0        | 7.0   |

TOTAL NUMBER OF OBSERVATIONS: 830

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: MELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |       |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 |            |              | GE 56 |
| N                      | .4                   | 3.7  | 4.5  | 3.4   | .8    | .1    | .0    |       |       |       |            | 12.8         | 9.6   |
| NNE                    | .1                   | 2.6  | 4.0  | 5.6   | 1.7   | .3    | .0    |       |       |       |            | 14.3         | 11.7  |
| NE                     | .2                   | 1.6  | 1.7  | 2.9   | .7    | .0    |       |       |       |       |            | 7.1          | 11.0  |
| ENE                    | .3                   | 1.7  | 2.0  | 2.4   | .6    | .2    |       |       |       |       |            | 7.2          | 10.6  |
| E                      | .3                   | 1.4  | 1.1  | 1.6   | .4    | .1    |       |       |       |       |            | 4.9          | 9.8   |
| ESE                    | .1                   | .6   | .4   | .5    | .0    |       |       |       |       |       |            | 1.6          | 8.5   |
| SE                     | .2                   | .9   | .8   | 1.0   | .2    |       |       |       |       |       |            | 3.1          | 9.6   |
| SSE                    | .2                   | 1.6  | 1.5  | 1.9   | .4    |       |       |       |       |       |            | 5.6          | 10.0  |
| S                      | .1                   | 1.1  | 1.7  | 2.0   | .5    | .0    |       |       |       |       |            | 5.4          | 10.8  |
| SSW                    | .1                   | 1.2  | 1.4  | 1.3   | .4    | .1    |       |       |       |       |            | 4.3          | 10.2  |
| SW                     | .0                   | .7   | .3   | .4    | .0    | .0    |       |       |       |       |            | 1.4          | 8.3   |
| WSW                    | .1                   | .8   | .2   | .1    | .0    |       |       |       |       |       |            | 1.3          | 5.9   |
| W                      | .1                   | 1.3  | .5   | .2    | .0    |       |       |       |       |       |            | 2.1          | 6.7   |
| WNW                    | .0                   | .7   | .6   | .2    | .0    |       |       |       |       |       |            | 1.5          | 7.6   |
| NW                     | .1                   | .9   | .6   | .5    | .1    |       |       |       |       |       |            | 2.2          | 8.7   |
| NNW                    | .0                   | 1.1  | 1.2  | 1.2   | .2    |       |       |       |       |       |            | 3.7          | 9.8   |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 21.5         | ////  |
| TOTALS                 | 2.4                  | 21.8 | 22.3 | 25.1  | 6.2   | .8    | .0    |       |       |       |            | 100.0        | 7.9   |

TOTAL NUMBER OF OBSERVATIONS: 6595

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

STATION NUMBER: 167160    STATION NAME: HELLENIKON ABS/ATHENS GR      PERIOD OF RECORD: 78-87  
 MONTH: MAR      HOURS (LST): 0000-0200

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                   | 6.9  | 4.5  | 2.9   | .3    |       |       |       |       |       |            | 14.8         | 8.1   |
| NNE                    | .5                   | 3.8  | 3.4  | 3.6   | .8    |       |       |       |       |       |            | 12.2         | 9.7   |
| NE                     | .2                   | 1.3  | .4   | 1.0   | .2    |       |       |       |       |       |            | 3.2          | 9.3   |
| ENE                    | .4                   | 3.3  | 1.2  | 1.3   | .1    |       | .1    |       |       |       |            | 6.5          | 8.0   |
| E                      | .5                   | 1.5  | 1.1  | .4    | .1    | .1    |       |       |       |       |            | 3.8          | 7.4   |
| ESE                    | .3                   | .3   | .3   | .2    | .1    |       |       |       |       |       |            | 1.3          | 8.0   |
| SE                     | .2                   | .9   | .8   | .8    | .1    |       |       |       |       |       |            | 2.7          | 9.2   |
| SSE                    | .4                   | 2.0  | 1.4  | .5    |       |       |       |       |       |       |            | 4.4          | 6.9   |
| S                      | .2                   | .9   | .8   | .4    | .1    |       |       |       |       |       |            | 2.4          | 7.9   |
| SSW                    |                      | .1   |      | .2    | .2    |       |       |       |       |       |            | .5           | 14.0  |
| SW                     |                      | .2   | .1   |       |       |       |       |       |       |       |            | .3           | 5.3   |
| WSW                    |                      | .7   | .2   | .1    |       |       |       |       |       |       |            | 1.0          | 6.3   |
| W                      | .1                   | .2   | .7   | .1    |       |       |       |       |       |       |            | 1.1          | 7.9   |
| WNN                    |                      | .1   | .2   |       |       |       |       |       |       |       |            | .3           | 7.3   |
| NW                     | .5                   | .3   | .3   | .2    | .7    | .2    |       |       |       |       |            | 2.3          | 11.8  |
| NNW                    |                      | 1.5  | .9   | 1.1   | .1    |       |       |       |       |       |            | 3.6          | 8.9   |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 39.3         | ////  |
| TOTALS                 | 3.9                  | 24.2 | 16.4 | 13.0  | 2.9   | .3    | .1    |       |       |       |            | 100.0        | 5.2   |

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: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL | MEAN<br>WIND |       |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|-------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 |       |              | GE 56 |
| N                      | .6                   | 5.5  | 4.5  | 2.8   | .1    |       |       |       |       |       |       | 13.5         | 8.2   |
| NNE                    | .2                   | 4.3  | 3.0  | 3.2   | .6    | .1    |       |       |       |       |       | 11.4         | 9.1   |
| NE                     | .4                   | .7   | 1.1  | 1.6   | .4    | .1    |       |       |       |       |       | 4.3          | 10.7  |
| ENE                    | .7                   | 2.1  | 1.3  | 1.8   | .3    |       |       |       |       |       |       | 6.2          | 8.5   |
| E                      | .7                   | 2.1  | .9   | 1.0   | .1    | .1    |       |       |       |       |       | 4.9          | 7.7   |
| ESE                    | .1                   |      |      | .1    |       |       |       |       |       |       |       | .2           | 8.5   |
| SE                     | .2                   | 1.2  | .2   | .6    | .1    |       |       |       |       |       |       | 2.3          | 7.7   |
| SSE                    | .4                   | 1.0  | .7   | .6    |       |       |       |       |       |       |       | 2.7          | 7.6   |
| S                      | .3                   | .4   | 1.4  | 1.1   |       |       |       |       |       |       |       | 3.3          | 9.4   |
| SSW                    |                      | .1   | .1   | .3    | .1    |       |       |       |       |       |       | .7           | 12.0  |
| SW                     |                      | .2   |      | .1    | .1    |       |       |       |       |       |       | .4           | 10.8  |
| WSW                    |                      | .1   | .3   |       |       |       |       |       |       |       |       | .4           | 7.8   |
| W                      | .1                   | .1   | .1   | .6    |       |       |       |       |       |       |       | .9           | 9.9   |
| WNW                    |                      | .2   | .2   | .1    | .2    | .1    |       |       |       |       |       | .9           | 13.3  |
| NW                     |                      | .6   | .1   | .4    | .2    |       | .1    |       |       |       |       | 1.4          | 11.7  |
| NNW                    | .2                   | 1.1  | 1.0  | 1.1   | .4    | .1    |       |       |       |       |       | 4.0          | 10.4  |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |       |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |       | 42.4         | ////  |
| TOTALS                 | 4.0                  | 19.8 | 15.1 | 15.3  | 2.8   | .6    | .1    |       |       |       |       | 109.0        | 5.2   |

TOTAL NUMBER OF OBSERVATIONS: 902

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

STATION NUMBER: 167160      STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: MAR      HOURS(LST): 0600-0000

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                                   | 6.2  | 5.5  | 2.0   | .3    |       |       |       |       |       |       | 14.3       | 7.8          |
| NNE                    | .4                                   | 3.4  | 2.3  | 3.9   | .7    | .1    |       |       |       |       |       | 10.8       | 10.1         |
| NE                     | .2                                   | 2.1  | 1.1  | 1.2   | .7    | .1    | .1    |       |       |       |       | 5.5        | 10.0         |
| ENE                    | .3                                   | 2.3  | 1.7  | 1.9   | .3    |       |       |       |       |       |       | 6.5        | 8.8          |
| E                      | .3                                   | .9   | 1.0  | 1.2   | .6    | .1    |       |       |       |       |       | 4.1        | 10.5         |
| ESE                    | .1                                   | .3   | .4   | .2    |       |       |       |       |       |       |       | 1.1        | 8.3          |
| SE                     |                                      | .6   | .7   | .3    | .1    |       |       |       |       |       |       | 1.7        | 9.1          |
| SSE                    |                                      | 1.3  | 1.2  | .8    | .1    |       |       |       |       |       |       | 3.4        | 8.5          |
| S                      |                                      | .3   | .6   | .7    |       |       |       |       |       |       |       | 1.5        | 9.9          |
| SSW                    |                                      | .2   | 1.0  | .3    |       |       |       |       |       |       |       | 1.5        | 9.1          |
| SW                     |                                      | .2   | .3   |       |       |       |       |       |       |       |       | .6         | 7.6          |
| WSW                    | .1                                   | .3   | .2   |       |       |       |       |       |       |       |       | .7         | 6.2          |
| W                      | .1                                   | .1   | .2   |       |       |       | .1    |       |       |       |       | .6         | 10.6         |
| WNW                    |                                      |      | .3   | .1    | .1    |       |       |       |       |       |       | .6         | 11.8         |
| NW                     |                                      | .4   | .1   | .6    | .2    | .1    |       |       |       |       |       | 1.4        | 12.4         |
| NNW                    |                                      | 1.1  | 1.2  | 1.1   | .6    |       |       |       |       |       |       | 4.0        | 10.5         |
| VARIABLE               | //////////////////////////////////// |      |      |       |       |       |       |       |       |       |       | 41.7       | ////         |
| TOTALS                 | 2.0                                  | 19.9 | 17.9 | 14.2  | 3.6   | .4    | .2    |       |       |       |       | 100.0      | 5.4          |

TOTAL NUMBER OF OBSERVATIONS: 906

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                   | 4.8  | 4.2  | 3.2   | .8    | .1    |       |       |       |       |            | 12.6         | 9.6   |
| NNE                    | .1                   | 1.0  | 2.6  | 5.8   | 1.7   | .1    | .1    |       |       |       |            | 11.4         | 13.1  |
| NE                     |                      | .6   | 1.6  | 1.6   | .6    | .3    | .1    |       |       |       |            | 4.7          | 13.0  |
| ENE                    |                      | .7   | 2.0  | 1.5   | .3    |       |       |       |       |       |            | 4.5          | 10.4  |
| E                      |                      | .2   | .7   | 1.1   | .2    | .1    |       |       |       |       |            | 2.3          | 12.6  |
| ESE                    |                      | .1   | .1   | .2    |       |       |       |       |       |       |            | .4           | 9.0   |
| SE                     |                      | .6   | .3   | .2    |       |       |       |       |       |       |            | 1.1          | 7.5   |
| SSE                    |                      | .7   | 1.6  | 1.5   | .4    |       |       |       |       |       |            | 4.1          | 10.9  |
| S                      | .1                   | 1.6  | 1.8  | .9    | .8    |       |       |       |       |       |            | 5.1          | 10.0  |
| SSW                    | .1                   | 1.1  | .9   | .6    |       | .1    |       |       |       |       |            | 2.8          | 8.4   |
| SW                     | .2                   | 1.7  | .6   | .3    |       |       |       |       |       |       |            | 2.8          | 6.3   |
| WSW                    | .2                   | 1.8  | .1   | .2    |       |       |       |       |       |       |            | 2.3          | 5.9   |
| W                      | .1                   | 4.6  | .2   | .1    | .2    |       |       |       |       |       |            | 5.2          | 5.8   |
| WNW                    | .3                   | 2.5  | .8   | .1    | .1    |       |       |       |       |       |            | 3.8          | 6.0   |
| NW                     | .6                   | 2.8  | 1.2  | .9    | .4    |       |       |       |       |       |            | 5.9          | 7.9   |
| NNW                    | .1                   | 1.9  | 1.9  | 1.5   | .7    | .2    |       |       |       |       |            | 6.2          | 10.2  |
| VARIABLE               |                      | .1   |      |       |       |       |       |       |       |       |            | .1           | 4.0   |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 24.4       | ////         |       |
| TOTALS                 | 2.1                  | 25.8 | 20.5 | 16.6  | 6.2   | 1.7   | .2    |       |       |       |            | 100.0        | 7.3   |

TOTAL NUMBER OF OBSERVATIONS: 896

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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  | 2.0  | 3.1   | .7    | .6    |       |       |       |       |       | 7.5        | 12.1         |
| NNE                    |                      | .9   | 2.2  | 5.5   | 1.7   | .8    |       | .2    |       |       |       | 11.2       | 14.4         |
| NE                     |                      | .7   | 1.1  | 2.3   | .8    |       |       |       |       |       |       | 4.8        | 12.7         |
| ENE                    | .1                   | .6   | 1.9  | 1.7   | .2    |       |       |       |       |       |       | 4.4        | 10.5         |
| E                      |                      | .2   | 1.5  | 1.1   | .6    |       |       |       |       |       |       | 3.4        | 12.1         |
| ESE                    | .1                   |      |      | .3    |       |       |       |       |       |       |       | .4         | 10.8         |
| SE                     |                      |      | .3   | .1    | .2    |       |       |       |       |       |       | .7         | 13.3         |
| SSE                    | .1                   |      | 1.0  | 1.5   | .2    |       |       |       |       |       |       | 2.9        | 12.0         |
| S                      | .1                   | .7   | 3.3  | 2.8   | .9    | .2    |       |       |       |       |       | 7.9        | 11.7         |
| SSW                    | .3                   | 2.6  | 2.9  | 1.8   | .1    | .1    |       |       |       |       |       | 7.8        | 9.0          |
| SW                     | .2                   | 4.3  | 2.5  | .2    | .1    |       |       |       |       |       |       | 7.4        | 6.8          |
| WSW                    | .2                   | 5.1  | 2.9  | .4    | .2    |       |       |       |       |       |       | 8.8        | 6.7          |
| W                      | .4                   | 6.5  | 2.4  | .7    | .1    | .1    |       |       |       |       |       | 10.2       | 6.7          |
| WNW                    | .1                   | 3.7  | 2.3  | .1    |       |       |       |       |       |       |       | 6.3        | 6.4          |
| NW                     |                      | 1.1  | .8   | .7    | .6    | .2    |       |       |       |       |       | 3.3        | 11.3         |
| NNW                    |                      | .8   | 1.3  | 2.4   | .6    | .1    |       |       |       |       |       | 5.2        | 12.0         |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |       | 7.7        | ////         |
| TOTALS                 | 1.8                  | 28.3 | 28.4 | 24.7  | 6.8   | 2.1   |       | .2    |       |       |       | 100.0      | 9.3          |

TOTAL NUMBER OF OBSERVATIONS: 928



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 |            |              |
| N                      |                                      | .7   | 1.1  | 4.8   | .9    | .2    |       | 7.6        | 13.1         |
| NNE                    |                                      | .8   | 2.2  | 5.9   | 1.1   | .3    |       | 10.3       | 13.0         |
| NE                     |                                      | .8   | 1.2  | 2.5   | .6    | .1    |       | 5.2        | 12.7         |
| ENE                    | .1                                   | 1.7  | 2.8  | 3.2   | .2    |       |       | 8.0        | 10.2         |
| E                      | .1                                   | .8   | 2.0  | 2.5   | .1    |       |       | 5.5        | 10.8         |
| ESE                    |                                      | .4   | .3   | .2    | .1    |       |       | 1.1        | 9.4          |
| SE                     |                                      | .2   | .3   | .4    | .1    |       |       | 1.1        | 11.3         |
| SSE                    |                                      | .3   | 1.2  | 2.0   | .1    |       |       | 3.7        | 11.4         |
| S                      | .2                                   | 2.8  | 4.7  | 5.1   | .7    | .2    |       | 13.6       | 10.6         |
| SSW                    | .1                                   | 3.9  | 6.8  | 3.8   | .3    | .1    |       | 15.0       | 9.3          |
| SW                     | .1                                   | 3.7  | 3.5  | 1.0   |       |       |       | 8.3        | 7.5          |
| WSW                    |                                      | 2.7  | .3   | .2    | .1    |       |       | 3.3        | 6.5          |
| W                      | .2                                   | 3.1  | 1.0  | .2    |       |       |       | 4.5        | 6.0          |
| WNW                    | .1                                   | .8   | .6   | .2    | .1    |       |       | 1.8        | 8.2          |
| NW                     |                                      | .3   | 1.4  | .7    | .1    | .1    |       | 2.7        | 10.7         |
| NNW                    |                                      | .2   | .4   | 1.4   | .6    | .1    |       | 2.8        | 14.2         |
| VARIABLE               |                                      |      |      |       |       |       |       |            |              |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       | 5.4        | ////         |
| TOTALS                 | 1.0                                  | 23.1 | 29.9 | 34.3  | 5.1   | 1.2   |       | 100.3      | 9.8          |

TOTAL NUMBER OF OBSERVATIONS: 922

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: MAR HOURS(DST): 1800-2000

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                                   | 1.4  | 1.9  | 2.8   | .2    | .2    |       |       |       |       |            | 6.7          | 10.8  |
| NNE                    | .1                                   | .8   | 3.9  | 4.1   | .7    |       |       |       |       |       |            | 9.5          | 11.2  |
| NE                     | .2                                   | 1.4  | 1.4  | 2.0   | .7    |       |       |       |       |       |            | 5.7          | 10.4  |
| ENE                    |                                      | 2.1  | 4.6  | 4.1   | .4    |       |       |       |       |       |            | 11.2         | 10.1  |
| E                      |                                      | 2.1  | 4.1  | 3.7   | .4    |       |       |       |       |       |            | 10.3         | 10.5  |
| ESE                    |                                      | .7   | .4   | .1    |       |       |       |       |       |       |            | 1.2          | 7.3   |
| SE                     | .1                                   | .8   | 1.0  | .3    |       |       |       |       |       |       |            | 2.2          | 7.8   |
| SSE                    | .1                                   | 3.6  | 1.9  | 2.2   | .1    |       |       |       |       |       |            | 7.9          | 8.5   |
| S                      | .5                                   | 6.9  | 5.4  | 1.5   | .2    | .2    |       |       |       |       |            | 14.8         | 7.6   |
| SSW                    | .1                                   | 2.4  | 3.1  | .9    | .1    |       |       |       |       |       |            | 6.6          | 8.0   |
| SW                     |                                      | .5   | .1   | .1    | .1    |       |       |       |       |       |            | .9           | 8.3   |
| WSW                    |                                      | .9   | .2   | .1    |       |       |       |       |       |       |            | 1.2          | 6.7   |
| W                      |                                      | .3   | .2   | .1    | .2    |       |       |       |       |       |            | .9           | 11.0  |
| WNW                    | .1                                   | .4   | .2   | .4    |       |       |       |       |       |       |            | 1.2          | 8.7   |
| NW                     |                                      | .3   | .8   | .3    | .1    | .2    |       |       |       |       |            | 1.8          | 11.8  |
| NNW                    |                                      | .8   | 1.2  | 1.6   | .4    |       |       |       |       |       |            | 4.1          | 11.2  |
| VARIABLE               |                                      | .1   |      |       |       |       |       |       |       |       |            | .1           | 6.0   |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |       |            | 13.9         | ////  |
| TOTALS                 | 1.4                                  | 25.5 | 30.3 | 24.4  | 3.7   | .7    |       |       |       |       |            | 100.0        | 8.2   |

TOTAL NUMBER OF OBSERVATIONS: 913

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 16716C STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                   | 3.7  | 4.1  | 2.4   | .7    |       |       |       |       |       |            | 11.2         | 9.1   |
| NNE                    |                      | 2.6  | 3.3  | 3.1   | 1.0   | .1    |       |       |       |       |            | 10.1         | 10.7  |
| NE                     |                      | 2.1  | 2.0  | .8    | .3    | .1    |       |       |       |       |            | 5.3          | 8.8   |
| ENE                    | .2                   | 3.1  | 3.2  | 1.5   |       |       |       |       |       |       |            | 8.0          | 8.1   |
| E                      | .3                   | 1.2  | 2.8  | .9    | .7    |       |       |       |       |       |            | 5.8          | 10.1  |
| ESE                    | .7                   | .3   | .3   | .3    |       |       |       |       |       |       |            | 1.3          | 7.4   |
| SE                     | .1                   | 2.3  | .9   | .1    | .2    |       |       |       |       |       |            | 3.6          | 7.1   |
| SSE                    | .4                   | 2.5  | 1.2  | 1.8   |       |       |       |       |       |       |            | 6.0          | 7.9   |
| S                      | .1                   | 1.7  | 1.9  | 1.2   | .1    |       |       |       |       |       |            | 5.0          | 8.3   |
| SSW                    |                      | .2   | .1   | .3    | .2    |       |       |       |       |       |            | .9           | 12.0  |
| SW                     |                      | .2   | .3   | .1    | .1    |       |       |       |       |       |            | .8           | 9.3   |
| WSW                    |                      | .1   | .1   |       | .1    |       |       |       |       |       |            | .3           | 11.3  |
| W                      |                      | .1   | .6   | .1    |       |       |       |       |       |       |            | .8           | 8.9   |
| WNW                    |                      | .6   | .2   | .1    |       |       |       |       |       |       |            | .9           | 7.3   |
| NW                     |                      | .3   | .6   | 1.1   | .3    | .1    |       |       |       |       |            | 2.4          | 12.5  |
| NNW                    | .3                   | 1.4  | 2.1  | 1.3   | .4    |       |       |       |       |       |            | 5.6          | 9.5   |
| VARIABLE               |                      | .1   |      |       |       |       |       |       |       |       |            | .1           | 5.0   |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 31.8         | ////  |
| TOTALS                 | 2.2                  | 22.7 | 23.6 | 15.2  | 4.2   | .3    |       |       |       |       |            | 100.0        | 6.3   |

TOTAL NUMBER OF OBSERVATIONS: 907

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                   | 3.7  | 3.5  | 3.0   | .5    | .1    |       |       |       |       |       | 11.0       | 9.4          |
| NNE                    | .2                   | 2.2  | 2.9  | 4.4   | 1.0   | .2    | .0    | .0    |       |       |       | 10.9       | 11.4         |
| NE                     | .1                   | 1.2  | 1.2  | 1.6   | .5    | .1    | .0    |       |       |       |       | 4.8        | 11.0         |
| ENE                    | .2                   | 2.0  | 2.3  | 2.1   | .2    |       | .0    |       |       |       |       | 6.9        | 9.3          |
| E                      | .2                   | 1.1  | 1.8  | 1.5   | .3    | .1    |       |       |       |       |       | 5.0        | 10.1         |
| ESE                    | .1                   | .3   | .2   | .2    | .0    |       |       |       |       |       |       | .9         | 8.3          |
| SE                     | .1                   | .8   | .6   | .4    | .1    |       |       |       |       |       |       | 1.9        | 8.5          |
| SSE                    | .2                   | 1.4  | 1.3  | 1.4   | .1    |       |       |       |       |       |       | 4.4        | 9.0          |
| S                      | .2                   | 1.9  | 2.5  | 1.7   | .3    | .1    |       |       |       |       |       | 6.7        | 9.4          |
| SSW                    | .1                   | 1.3  | 1.8  | 1.0   | .1    | .0    |       |       |       |       |       | 4.5        | 9.1          |
| SW                     | .1                   | 1.4  | .9   | .2    | .1    |       |       |       |       |       |       | 2.7        | 7.3          |
| WSW                    | .1                   | 1.4  | .6   | .1    | .1    |       |       |       |       |       |       | 2.3        | 6.6          |
| W                      | .1                   | 1.9  | .7   | .2    | .1    | .0    | .0    |       |       |       |       | 3.0        | 6.9          |
| WNW                    | .1                   | 1.0  | .6   | .2    | .1    | .0    |       |       |       |       |       | 2.0        | 7.3          |
| NW                     | .1                   | .8   | .7   | .6    | .3    | .1    | .0    |       |       |       |       | 2.7        | 10.6         |
| NNW                    | .1                   | 1.1  | 1.3  | 1.4   | .5    | .1    |       |       |       |       |       | 4.4        | 10.7         |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |       | .0         | 5.0          |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |       | 25.8       | ////         |
| TOTALS                 | 2.3                  | 23.7 | 22.8 | 20.1  | 4.4   | .8    | .1    | .0    |       |       |       | 100.0      | 7.1          |

TOTAL NUMBER OF OBSERVATIONS: 7244

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                   | 5.4  | 4.6  | 2.3   | .1    | .1    |       |       |       |       |            | 12.6         | 8.3   |
| NNE                    |                      | 2.7  | 1.0  | 1.1   |       | .1    |       |       |       |       |            | 5.0          | 8.0   |
| NE                     | .5                   | 1.4  | .3   | .3    |       |       |       |       |       |       |            | 2.5          | 6.0   |
| ENE                    | .3                   | 2.3  | .3   | .3    | .1    |       |       |       |       |       |            | 3.4          | 6.1   |
| E                      |                      | 1.0  | .6   | .3    |       |       |       |       |       |       |            | 1.9          | 7.0   |
| ESE                    |                      | .3   | .2   |       | .1    |       |       |       |       |       |            | .7           | 8.8   |
| SE                     |                      | .9   | .3   | .1    |       |       |       |       |       |       |            | 1.4          | 6.8   |
| SSE                    | .1                   | 1.3  | 2.3  | .2    |       |       |       |       |       |       |            | 3.9          | 7.4   |
| S                      | .1                   | 1.9  | .8   | .5    |       |       |       |       |       |       |            | 3.3          | 6.7   |
| SSW                    |                      | .5   |      | .1    | .1    | .1    |       |       |       |       |            | .8           | 11.6  |
| SW                     | .1                   | .1   | .1   | .1    |       |       |       |       |       |       |            | .5           | 7.8   |
| WSW                    |                      | .1   |      | .1    |       |       |       |       |       |       |            | .2           | 10.0  |
| W                      |                      | .2   | .2   | .3    |       |       |       |       |       |       |            | .8           | 9.7   |
| WNW                    |                      | .2   | .1   | .2    | .1    | .1    |       |       |       |       |            | .8           | 12.9  |
| NW                     |                      | 1.0  | 1.1  | 1.3   | .6    | .2    |       |       |       |       |            | 4.2          | 11.5  |
| NNW                    | .2                   | 2.1  | 2.9  | 3.5   | .9    |       |       |       |       |       |            | 9.6          | 10.9  |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 48.4         | ////  |
| TOTALS                 | 1.5                  | 21.5 | 15.0 | 11.0  | 2.1   | .7    |       |       |       |       |            | 100.0        | 4.5   |

TOTAL NUMBER OF OBSERVATIONS: 876

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                                   | 7.4  | 2.9  | 1.9   | .2    |       |       |       |       |       |            | 13.1         | 7.2   |
| NNE                    | .1                                   | 2.2  | 1.4  | 1.1   | .2    | .2    |       |       |       |       |            | 5.3          | 9.3   |
| NE                     | .5                                   | 1.4  | 1.3  | .5    | .1    |       |       |       |       |       |            | 3.7          | 7.2   |
| ENE                    | .7                                   | 1.5  | .2   | .5    |       |       |       |       |       |       |            | 2.9          | 6.0   |
| E                      | .6                                   | 2.2  | .2   | .3    | .5    | .1    |       |       |       |       |            | 3.9          | 7.6   |
| ESE                    | .1                                   | .7   |      |       |       |       |       |       |       |       |            | .8           | 4.3   |
| SE                     | .2                                   | 1.1  | .5   | .3    |       |       |       |       |       |       |            | 2.2          | 6.9   |
| SSE                    | .2                                   | 1.0  | .2   | .5    |       |       |       |       |       |       |            | 1.9          | 6.6   |
| S                      |                                      | .5   | 1.3  | .2    |       | .1    |       |       |       |       |            | 2.1          | 9.6   |
| SSW                    |                                      | .1   |      | .1    |       |       |       |       |       |       |            | .2           | 9.0   |
| SW                     |                                      | .1   | .1   |       |       |       |       |       |       |       |            | .2           | 6.0   |
| WSW                    |                                      | .1   | .1   |       |       |       |       |       |       |       |            | .2           | 5.5   |
| W                      | .1                                   | .2   | .7   | .5    |       |       |       |       |       |       |            | 1.5          | 9.5   |
| WNW                    | .1                                   | .1   | .5   | .5    |       |       |       |       |       |       |            | 1.1          | 10.4  |
| NW                     | .1                                   | .9   | .5   | .6    | .3    | .1    |       |       |       |       |            | 2.5          | 10.2  |
| NNW                    | .1                                   | 2.2  | 1.3  | 2.9   | .3    | .1    |       |       |       |       |            | 6.8          | 10.2  |
| VARIABLE               | .....                                |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |       |            | 51.6         | ////  |
| TOTALS                 | 3.5                                  | 21.7 | 11.0 | 9.8   | 1.7   | .7    |       |       |       |       |            | 100.0        | 3.9   |

TOTAL NUMBER OF OBSERVATIONS: 876

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: 167160 STATION NAME: HELLENIXON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL | MEAN<br>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                   | 7.0  | 3.4  | 1.9   | .2    |       |       |       |       |       |       | 12.9         | 7.4   |
| NNE                    | .1                   | 3.9  | 2.3  | 1.3   | .3    | .2    |       |       |       |       |       | 8.1          | 8.3   |
| NE                     | .1                   | 1.3  | .3   | .3    |       |       |       |       |       |       |       | 2.1          | 7.2   |
| ENE                    | .2                   | 1.6  | .2   | .6    | .1    |       |       |       |       |       |       | 2.7          | 7.2   |
| E                      | .2                   | .9   | .9   | .1    |       |       |       |       |       |       |       | 2.2          | 6.9   |
| ESE                    | .1                   | .3   |      | .7    |       |       |       |       |       |       |       | 1.1          | 9.6   |
| SE                     | .1                   | 1.6  | .2   |       |       |       |       |       |       |       |       | 1.9          | 5.0   |
| SSE                    | .1                   | .9   | 1.4  | .7    | .1    |       |       |       |       |       |       | 3.2          | 8.6   |
| S                      | .2                   | 1.1  | .9   | .5    | .1    |       |       |       |       |       |       | 2.9          | 7.8   |
| SSW                    |                      | .1   |      | .1    | .1    |       |       |       |       |       |       | .3           | 13.0  |
| SW                     |                      | .3   | .1   |       |       |       |       |       |       |       |       | .5           | 6.5   |
| WSW                    |                      | .1   |      | .2    |       |       |       |       |       |       |       | .3           | 10.3  |
| W                      | .1                   | .9   | .2   | .2    |       |       |       |       |       |       |       | 1.5          | 6.7   |
| WNW                    | .3                   | .9   | .5   | .3    | .1    |       |       |       |       |       |       | 2.2          | 7.4   |
| NW                     |                      | 1.3  | .8   | .7    | .3    |       |       |       |       |       |       | 3.1          | 9.4   |
| NNW                    | .3                   | 2.4  | 1.7  | 1.9   | .6    |       |       |       |       |       |       | 7.0          | 9.4   |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |       |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |       | 47.9         | ////  |
| TOTALS                 | 2.4                  | 24.7 | 13.0 | 9.6   | 2.1   | .2    |       |       |       |       |       | 100.0        | 4.1   |

TOTAL NUMBER OF OBSERVATIONS: 874

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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  | 2.8  | 1.7   | .1    |       |       |       |       |       |            | 6.7          | 9.0   |
| NNE                    |                                      | 1.0  | 1.6  | 3.2   | 1.0   | .3    | .1    |       |       |       |            | 7.2          | 12.8  |
| NE                     |                                      | .5   | .7   | .7    | .5    |       |       |       |       |       |            | 2.3          | 11.9  |
| ENE                    |                                      | .7   | .5   | .7    |       |       |       |       |       |       |            | 1.8          | 9.3   |
| E                      |                                      | .2   | .7   | .9    |       |       |       |       |       |       |            | 1.8          | 10.9  |
| ESE                    |                                      |      | .2   | .2    |       |       |       |       |       |       |            | .5           | 11.3  |
| SE                     |                                      | .3   | .2   | .3    |       |       |       |       |       |       |            | .9           | 8.8   |
| SSE                    |                                      | .9   | .7   | 1.1   | .1    |       |       |       |       |       |            | 2.8          | 10.1  |
| S                      |                                      | .8   | 3.1  | 1.5   | .3    |       |       |       |       |       |            | 5.7          | 10.5  |
| SSW                    | .5                                   | 1.6  | .9   | .7    |       |       |       |       |       |       |            | 3.6          | 7.2   |
| SW                     | .1                                   | 2.6  | .7   | .1    |       |       |       |       |       |       |            | 3.5          | 6.1   |
| WSW                    | .5                                   | 4.1  | .6   | .3    | .1    |       |       |       |       |       |            | 5.5          | 5.7   |
| W                      | .5                                   | 7.5  | 2.1  | .5    |       |       |       |       |       |       |            | 10.5         | 5.9   |
| WNW                    | .1                                   | 6.3  | 3.2  | .3    | .2    |       |       |       |       |       |            | 10.2         | 6.7   |
| NW                     | .1                                   | 4.3  | 1.5  | 1.7   |       | .1    |       |       |       |       |            | 7.7          | 8.0   |
| NNW                    | .2                                   | 3.2  | 2.7  | 3.2   | .7    |       |       |       |       |       |            | 10.0         | 9.7   |
| VARIABLE               | .....                                |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |       |            | 19.3         | ////  |
| TOTALS                 | 1.9                                  | 36.0 | 22.1 | 17.1  | 3.1   | .5    | .1    |       |       |       |            | 100.0        | 6.8   |

TOTAL NUMBER OF OBSERVATIONS: 984



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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   | .9   | 1.5   | .2    |       |       |       |       |       |            | 3.3          | 11.0  |
| NNE                    |                                      | .1   | 1.6  | 2.4   | .9    | .2    | .2    |       |       |       |            | 5.5          | 14.4  |
| NE                     | .1                                   |      | .6   | 1.5   | .2    |       |       |       |       |       |            | 2.4          | 13.0  |
| ENE                    |                                      | .7   | .7   | 1.4   | .2    |       |       |       |       |       |            | 3.0          | 11.3  |
| E                      |                                      | .3   | 1.5  | 1.0   | .1    |       |       |       |       |       |            | 3.0          | 10.8  |
| ESE                    |                                      | .5   | .3   | .3    |       |       |       |       |       |       |            | 1.1          | 8.2   |
| SE                     |                                      | .3   | .5   | .2    |       |       |       |       |       |       |            | 1.0          | 8.9   |
| SSE                    |                                      | .7   | .7   | .8    | .1    |       |       |       |       |       |            | 2.3          | 10.1  |
| S                      | .1                                   | .8   | 5.0  | 3.0   | .9    |       |       |       |       |       |            | 9.8          | 11.0  |
| SSW                    | .1                                   | 2.8  | 6.0  | 2.6   | .1    |       |       |       |       |       |            | 11.7         | 9.0   |
| SW                     | .1                                   | 5.9  | 4.6  | 1.4   |       |       |       |       |       |       |            | 11.9         | 7.4   |
| WSW                    | .3                                   | 9.4  | 2.7  | .2    |       |       |       |       |       |       |            | 12.7         | 5.9   |
| W                      |                                      | 6.5  | 4.4  | .9    |       |       |       |       |       |       |            | 11.8         | 7.1   |
| WNW                    | .1                                   | 3.0  | 3.8  | .7    | .5    |       |       |       |       |       |            | 9.0          | 8.3   |
| NW                     |                                      | 1.1  | 1.1  | 2.2   | .5    |       |       |       |       |       |            | 4.9          | 11.0  |
| NNW                    | .1                                   | .5   | .7   | 1.6   | .7    |       | .1    |       |       |       |            | 3.6          | 13.2  |
| VARIABLE               | //////////////////////////////////// |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |       |            | 4.7          | ////  |
| TOTALS                 | 1.0                                  | 33.3 | 35.0 | 21.6  | 4.4   | .2    | .3    |       |       |       |            | 100.0        | 8.8   |

TOTAL NUMBER OF OBSERVATIONS: 879

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 |            |              |
| N                      |                      | .1   | 1.4  | 1.6   | .1    | .1    |       | 3.3        | 11.9         |
| NNE                    |                      | .1   | 1.4  | 3.4   | .8    | .6    |       | 6.3        | 14.6         |
| NE                     |                      | .1   | .8   | 1.0   | .2    |       |       | 2.2        | 11.9         |
| ENE                    |                      | .5   | 1.5  | 1.6   | .3    | .2    |       | 4.1        | 11.9         |
| E                      |                      | .8   | 1.6  | 2.6   | .6    | .1    |       | 5.7        | 11.9         |
| ESE                    |                      | .1   | .6   | .6    |       |       |       | 1.3        | 10.1         |
| SE                     | .1                   | .5   | .6   | .2    |       |       |       | 1.4        | 8.0          |
| SSE                    |                      | .6   | 1.9  | .8    | .2    |       |       | 3.5        | 10.2         |
| S                      |                      | 1.6  | 6.6  | 5.6   | .9    | .1    |       | 14.8       | 11.0         |
| SSW                    | .2                   | 3.5  | 14.2 | 8.2   | .3    |       |       | 26.5       | 9.9          |
| SW                     | .1                   | 2.7  | 4.8  | 1.6   |       |       |       | 9.2        | 8.6          |
| WSW                    |                      | 3.8  | 1.9  | .2    |       |       |       | 5.9        | 6.3          |
| W                      |                      | 2.2  | 1.8  | .9    |       |       |       | 4.9        | 8.3          |
| WNW                    |                      | .9   | .2   | .7    | .2    |       |       | 1.9        | 9.6          |
| NW                     |                      | .3   | .7   | .6    | .2    |       |       | 1.8        | 10.9         |
| NNW                    | .1                   | .3   | .2   | .9    | .9    | .1    |       | 2.6        | 14.3         |
| VARIABLE               |                      |      |      |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       | 4.5        | ////         |
| TOTALS                 | .6                   | 18.0 | 40.2 | 30.6  | 4.9   | 1.3   |       | 100.0      | 9.9          |

TOTAL NUMBER OF OBSERVATIONS: 876

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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  | 1.2  | .5    | .2    | .5    |       |       |       |       |            | 3.5          | 11.1  |
| NNE                    |                                      | .7   | 1.1  | 2.6   | .2    | .1    |       |       |       |       |            | 4.8          | 11.9  |
| NE                     |                                      | 1.0  | 1.8  | 1.5   |       |       |       |       |       |       |            | 4.3          | 9.7   |
| ENE                    | .1                                   | 1.0  | 2.8  | 1.8   | .5    |       |       |       |       |       |            | 6.2          | 10.3  |
| E                      | .1                                   | 1.9  | 2.8  | 3.4   | .5    |       |       |       |       |       |            | 8.7          | 10.5  |
| ESE                    | .1                                   | .5   | .5   | .2    | .1    |       |       |       |       |       |            | 1.4          | 8.4   |
| SE                     | .5                                   | 1.9  | 1.0  | .2    | .1    |       |       |       |       |       |            | 3.7          | 6.8   |
| SSE                    | .5                                   | 4.0  | 3.2  | 1.5   | .1    |       |       |       |       |       |            | 9.2          | 7.6   |
| S                      | .5                                   | 8.4  | 7.8  | 3.4   | .2    | .1    |       |       |       |       |            | 20.5         | 8.2   |
| SSW                    | .2                                   | 3.2  | 4.4  | 1.6   | .2    |       |       |       |       |       |            | 9.7          | 8.2   |
| SW                     |                                      | 1.1  | .7   | .1    |       |       |       |       |       |       |            | 1.9          | 6.7   |
| WSW                    | .2                                   | .5   | .3   | .1    |       |       |       |       |       |       |            | 1.1          | 6.3   |
| W                      | .1                                   | .5   | .2   | .7    |       |       |       |       |       |       |            | 1.5          | 9.6   |
| WNW                    |                                      | .6   | .3   | .3    |       |       |       |       |       |       |            | 1.2          | 8.6   |
| NW                     |                                      | .3   | .6   | 1.2   | .5    |       |       |       |       |       |            | 2.6          | 12.3  |
| NNW                    | .1                                   | .7   | .8   | 1.8   | 1.1   | .5    | .1    |       |       |       |            | 5.1          | 14.1  |
| VARIABLE               |                                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |       |            | 14.4         | ////  |
| TOTALS                 | 2.4                                  | 27.4 | 29.8 | 21.0  | 3.7   | 1.1   | .1    |       |       |       |            | 100.0        | 8.0   |

TOTAL NUMBER OF OBSERVATIONS: 980

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: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       | TOTAL | MEAN<br>WIND |       |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|-------|
|                        | 1-3                                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 |       |              | GE 56 |
| N                      | .6                                   | 3.9  | 1.6  | .8    | .5    | .1    |       |       |       |       |       | 7.4          | 7.7   |
| NNE                    | .1                                   | 1.4  | 1.3  | 1.9   | .3    |       |       |       |       |       |       | 5.0          | 10.3  |
| NE                     | .2                                   | 1.3  | 1.0  | .7    | .1    |       |       |       |       |       |       | 3.3          | 8.1   |
| ENE                    | .6                                   | 1.6  | 1.6  | .8    | .2    |       |       |       |       |       |       | 4.8          | 8.0   |
| E                      | .5                                   | 1.9  | 1.1  | .5    | .2    |       |       |       |       |       |       | 4.2          | 7.2   |
| ESE                    | .2                                   | 1.0  | .2   | .2    |       |       |       |       |       |       |       | 1.7          | 6.1   |
| SE                     | 1.3                                  | 1.1  | .6   | .5    |       |       |       |       |       |       |       | 3.4          | 5.6   |
| SSE                    | .3                                   | 4.1  | 2.3  | 1.0   |       |       |       |       |       |       |       | 7.8          | 7.1   |
| S                      | .2                                   | 3.7  | 1.5  | 1.5   |       |       |       |       |       |       |       | 6.9          | 7.4   |
| SSW                    |                                      | .7   | .5   |       |       |       |       |       |       |       |       | 1.1          | 6.5   |
| SW                     | .1                                   | .1   |      | .5    |       |       |       |       |       |       |       | .7           | 9.7   |
| WSW                    | .1                                   | .1   |      | .2    |       |       |       |       |       |       |       | .5           | 8.3   |
| W                      | .1                                   | .2   | .2   |       |       |       |       |       |       |       |       | .6           | 6.4   |
| WNW                    | .1                                   | .3   | .2   | .3    | .3    |       |       |       |       |       |       | 1.4          | 11.0  |
| NW                     |                                      | .6   | .7   | 1.8   | .2    | .2    |       |       |       |       |       | 3.6          | 12.7  |
| NNW                    | .1                                   | 1.7  | 2.7  | 2.7   | 1.3   | .3    |       |       |       |       |       | 9.9          | 11.7  |
| VARIABLE               | //////////////////////////////////// |      |      |       |       |       |       |       |       |       |       |              |       |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |       |       | 38.6         | ////  |
| TOTALS                 | 4.6                                  | 23.8 | 15.6 | 13.5  | 3.2   | .7    |       |       |       |       |       | 100.0        | 5.3   |

TOTAL NUMBER OF OBSERVATIONS: 873

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL | MEAN<br>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                   | 3.4  | 2.4  | 1.5   | .2    | .1    |       |       |       |       |       | 7.9          | 8.4   |
| NNE                    | .0                   | 1.5  | 1.5  | 2.1   | .5    | .2    | .0    |       |       |       |       | 5.9          | 11.2  |
| NE                     | .2                   | .9   | .9   | .8    | .1    |       |       |       |       |       |       | 2.8          | 9.2   |
| ENE                    | .2                   | 1.2  | 1.0  | 1.0   | .2    | .0    |       |       |       |       |       | 3.6          | 9.0   |
| E                      | .2                   | 1.2  | 1.2  | 1.2   | .2    | .0    |       |       |       |       |       | 3.9          | 9.5   |
| ESE                    | .1                   | .4   | .3   | .3    | .0    |       |       |       |       |       |       | 1.1          | 8.1   |
| SE                     | .3                   | 1.7  | .5   | .2    | .0    |       |       |       |       |       |       | 2.7          | 6.7   |
| SSE                    | .2                   | 1.7  | 1.6  | .8    | .1    |       |       |       |       |       |       | 4.3          | 8.1   |
| S                      | .1                   | 2.4  | 3.4  | 2.0   | .3    | .0    |       |       |       |       |       | 8.2          | 9.3   |
| SSW                    | .1                   | 1.6  | 3.2  | 1.7   | .1    | .0    |       |       |       |       |       | 6.8          | 9.2   |
| SW                     | .1                   | 1.6  | 1.4  | .5    |       |       |       |       |       |       |       | 3.6          | 7.6   |
| WSW                    | .1                   | 2.3  | .7   | .2    | .0    |       |       |       |       |       |       | 3.3          | 6.1   |
| W                      | .1                   | 2.3  | 1.3  | .5    |       |       |       |       |       |       |       | 4.1          | 7.1   |
| WNW                    | .1                   | 1.5  | 1.1  | .4    | .2    | .0    |       |       |       |       |       | 3.4          | 8.1   |
| NW                     | .0                   | 1.2  | .9   | 1.3   | .3    | .1    |       |       |       |       |       | 3.8          | 10.4  |
| NNW                    | .2                   | 1.6  | 1.6  | 2.3   | .8    | .1    | .0    |       |       |       |       | 6.7          | 11.2  |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |       |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |       | 28.6         | ////  |
| TOTALS                 | 2.2                  | 25.8 | 22.7 | 16.8  | 3.1   | .7    | .1    |       |       |       |       | 100.0        | 6.4   |

TOTAL NUMBER OF OBSERVATIONS: 7048

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIXON AHS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: MAY HOURS/LSY: 0000-0200

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |       |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 |            |              | GE 56 |
| N                      | .7                   | 5.7  | 3.7  | 2.6   |       |       |       |       |       |       |            | 12.7         | 7.8   |
| NNE                    | .3                   | 1.9  | .9   | 1.4   |       | .1    |       |       |       |       |            | 4.6          | 8.7   |
| NE                     | .2                   | 1.2  | .3   |       |       |       |       |       |       |       |            | 1.8          | 5.6   |
| ENE                    | .2                   | .3   | .3   | .2    |       |       |       |       |       |       |            | 1.1          | 7.5   |
| E                      | .1                   | .3   | .3   | .3    | .2    |       |       |       |       |       |            | 1.3          | 10.3  |
| ESE                    | .2                   | .2   |      |       |       |       |       |       |       |       |            | .4           | 3.8   |
| SE                     |                      | .7   | .1   | .1    |       |       |       |       |       |       |            | .9           | 5.9   |
| SSE                    | .7                   | 1.6  | 1.3  | .2    |       |       |       |       |       |       |            | 3.8          | 6.4   |
| S                      |                      | 1.8  | .5   | .3    |       |       |       |       |       |       |            | 2.6          | 6.5   |
| SSW                    |                      | .1   | .1   | .2    |       |       |       |       |       |       |            | .4           | 11.3  |
| SW                     |                      | .2   | .1   |       |       |       |       |       |       |       |            | .3           | 7.0   |
| WSW                    |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| W                      |                      | .4   |      |       |       |       |       |       |       |       |            | .4           | 5.3   |
| WNW                    |                      | .4   | .2   | .1    | .1    |       |       |       |       |       |            | .9           | 9.0   |
| NW                     |                      | .4   | 1.3  | .9    | .1    |       |       |       |       |       |            | 2.7          | 10.2  |
| NNW                    | .4                   | 3.0  | 2.6  | 3.9   | .4    |       |       |       |       |       |            | 10.4         | 10.1  |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 55.5         | ////  |
| TOTALS                 | 2.8                  | 18.3 | 11.9 | 10.4  | .9    | .1    |       |       |       |       |            | 100.0        | 3.7   |

TOTAL NUMBER OF OBSERVATIONS: 913

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |       |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 |            |              | GE 56 |
| N                      | 1.6                  | 7.1  | 3.7  | 1.9   | .1    |       |       |       |       |       |            | 14.5         | 6.9   |
| NNE                    | .1                   | 2.4  | 1.4  | 1.1   | .4    |       |       |       |       |       |            | 5.5          | 8.8   |
| NE                     | .1                   | 1.0  | .2   | .3    |       |       |       |       |       |       |            | 1.6          | 6.7   |
| ENE                    | .2                   | .8   | .5   | .8    | .1    |       |       |       |       |       |            | 2.4          | 9.1   |
| E                      | .2                   | .5   | .1   | .2    |       |       |       |       |       |       |            | 1.1          | 6.1   |
| ESE                    | .2                   |      |      |       |       |       |       |       |       |       |            | .2           | 2.5   |
| SE                     | .2                   | .7   | .1   |       |       |       |       |       |       |       |            | 1.0          | 5.0   |
| SSE                    | .1                   | 1.2  | 1.1  | .1    | .1    |       |       |       |       |       |            | 2.6          | 7.3   |
| S                      | .1                   | 1.0  | .4   | .1    |       |       |       |       |       |       |            | 1.6          | 6.4   |
| SSW                    |                      | .1   | .2   |       |       |       |       |       |       |       |            | .3           | 8.0   |
| SW                     | .1                   |      | .2   | .1    |       |       |       |       |       |       |            | .4           | 9.3   |
| WSW                    |                      |      | .1   |       |       |       |       |       |       |       |            | .1           | 8.0   |
| W                      |                      | .4   | .1   |       |       |       |       |       |       |       |            | .5           | 5.4   |
| WNW                    | .2                   | .3   | .1   | .1    |       |       |       |       |       |       |            | .8           | 6.3   |
| NW                     | .1                   | .4   | .5   | 1.2   | .3    |       |       |       |       |       |            | 2.6          | 11.2  |
| NNW                    | .2                   | 3.2  | 2.9  | 1.9   | .3    |       |       |       |       |       |            | 8.5          | 8.7   |
| VAR IABLE              |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 56.1         | ////  |
| TOTALS                 | 3.6                  | 19.2 | 11.9 | 7.8   | 1.4   |       |       |       |       |       |            | 100.0        | 3.4   |

TOTAL NUMBER OF OBSERVATIONS: 911

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: MAY HOURS(LST): 0600-0630

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |       |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 |            |              | GE 56 |
| N                      | .5                   | 5.8  | 3.8  | 2.1   | .1    |       |       |       |       |       |            | 12.3         | 7.6   |
| NNE                    | .8                   | 2.5  | 1.4  | 1.9   | .7    | .1    |       |       |       |       |            | 7.3          | 9.3   |
| NE                     | .1                   | .4   | .2   | .4    | .2    |       |       |       |       |       |            | 1.4          | 10.5  |
| ENE                    | .1                   | .7   | .7   | .1    | .1    |       | .1    |       |       |       |            | 1.4          | 9.2   |
| E                      | .1                   | .3   | .1   | .1    |       |       |       |       |       |       |            | .7           | 6.5   |
| ESE                    | .1                   | .3   |      |       |       |       |       |       |       |       |            | .4           | 4.5   |
| SE                     |                      | .2   | .2   |       |       |       |       |       |       |       |            | .4           | 8.0   |
| SSE                    | .1                   | 1.9  | 1.1  | .1    |       |       |       |       |       |       |            | 3.2          | 6.3   |
| S                      | .7                   | .5   | 1.2  | .1    |       |       |       |       |       |       |            | 2.2          | 7.1   |
| SSW                    | .1                   | .7   | .3   |       |       |       |       |       |       |       |            | 1.1          | 6.0   |
| SW                     |                      | .7   | .1   | .1    |       |       |       |       |       |       |            | .5           | 6.8   |
| WSW                    |                      | .1   |      |       |       |       |       |       |       |       |            | .1           | 4.0   |
| W                      | .2                   | .7   | .1   |       |       |       |       |       |       |       |            | 1.0          | 5.0   |
| WNW                    | .3                   | .7   | .4   |       | .1    |       |       |       |       |       |            | 1.5          | 6.1   |
| NW                     | .4                   | 2.8  | 1.9  | .5    | .1    |       |       |       |       |       |            | 5.8          | 7.1   |
| NNW                    | .1                   | 4.4  | 4.0  | 2.1   | .1    | .2    |       |       |       |       |            | 17.9         | 8.6   |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 49.7         | ////  |
| TOTALS                 | 3.4                  | 22.3 | 15.3 | 7.5   | 1.4   | .3    | .1    |       |       |       |            | 100.0        | 3.9   |

TOTAL NUMBER OF OBSERVATIONS: 916



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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   | 2.1  | 2.2   | .2    |       |       |       |       |       |            | 5.2          | 10.8  |
| NNE                    | .1                                   | .3   | 1.2  | 4.5   | 1.2   | .1    |       |       |       |       |            | 7.4          | 13.6  |
| NE                     |                                      | .3   | 1.0  | 1.2   | .3    |       |       |       |       |       |            | 2.8          | 11.8  |
| ENE                    |                                      | .2   | .5   | .9    | .1    | .1    |       |       |       |       |            | 1.8          | 12.3  |
| E                      |                                      |      | .7   | .3    |       |       |       |       |       |       |            | 1.0          | 10.7  |
| ESE                    |                                      |      | .1   | .1    |       |       |       |       |       |       |            | .2           | 11.5  |
| SE                     |                                      | .3   | .1   | .2    |       | .1    |       |       |       |       |            | .8           | 11.1  |
| SSE                    |                                      | .2   | .5   | .1    |       |       |       |       |       |       |            | .9           | 8.0   |
| S                      |                                      | 1.2  | 1.0  | 1.0   | .1    |       |       |       |       |       |            | 3.3          | 9.3   |
| SSW                    | .4                                   | 1.6  | 1.4  | .7    |       |       |       |       |       |       |            | 4.1          | 7.2   |
| SW                     |                                      | 3.8  | 1.4  | .1    |       |       |       |       |       |       |            | 5.3          | 6.0   |
| WSW                    | .9                                   | 8.3  | 1.2  | .2    |       |       |       |       |       |       |            | 10.5         | 5.2   |
| W                      | .7                                   | 12.4 | 3.0  | .2    |       |       |       |       |       |       |            | 16.3         | 5.7   |
| WNW                    | .4                                   | 6.1  | 3.5  | .2    |       |       |       |       |       |       |            | 10.2         | 6.3   |
| NW                     | .5                                   | 3.8  | 3.8  | 2.1   | .7    | .1    |       |       |       |       |            | 11.0         | 9.0   |
| NNW                    | .3                                   | 1.6  | 1.7  | 2.0   | .3    |       |       |       |       |       |            | 6.0          | 9.4   |
| VARIABLE               | .....                                |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |       |            | 13.2         | ////  |
| TOTALS                 | 3.5                                  | 40.8 | 23.2 | 15.9  | 2.9   | .4    |       |       |       |       |            | 100.0        | 7.0   |

TOTAL NUMBER OF OBSERVATIONS: 921

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: MAY HOURS(LST): 00-1400

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL | MEAN<br>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   | 1.6   | .4    |       |       |       |       |       |       | 3.0          | 12.8  |
| NNE                    |                      | .1   | 1.2  | 4.1   | 1.4   | .2    |       |       |       |       |       | 7.0          | 14.4  |
| NE                     |                      | .1   | .5   | 1.9   | .2    |       |       |       |       |       |       | 2.7          | 13.7  |
| ENE                    |                      | .2   | .2   | 1.4   | .2    |       |       |       |       |       |       | 2.1          | 12.6  |
| E                      |                      | .4   | 1.0  | .4    | .2    |       |       |       |       |       |       | 2.1          | 10.4  |
| ESE                    |                      | .1   | .4   | .2    | .1    |       |       |       |       |       |       | .9           | 11.1  |
| SE                     |                      | .1   | .3   | .2    |       |       |       |       |       |       |       | .7           | 9.3   |
| SSE                    |                      | .5   | .5   | .8    | .1    |       |       |       |       |       |       | 2.0          | 10.1  |
| S                      | .1                   | .9   | 1.5  | 1.9   | .2    |       |       |       |       |       |       | 4.6          | 10.7  |
| SSW                    | .2                   | 4.2  | 5.7  | 3.5   | .3    |       |       |       |       |       |       | 14.0         | 9.2   |
| SW                     | .2                   | 5.5  | 7.5  | 1.4   | .1    |       |       |       |       |       |       | 14.7         | 7.8   |
| WSW                    | .7                   | 9.6  | 4.2  | .2    |       |       |       |       |       |       |       | 14.6         | 6.1   |
| W                      | .4                   | 7.8  | 7.3  | .4    |       |       |       |       |       |       |       | 15.9         | 6.9   |
| WNW                    | .1                   | 2.6  | 3.0  | .3    | .1    |       |       |       |       |       |       | 6.2          | 7.4   |
| NW                     |                      | .5   | 1.3  | 1.6   | .4    | .1    |       |       |       |       |       | 4.1          | 12.1  |
| NNW                    |                      | .4   | .9   | .4    | .5    |       |       |       |       |       |       | 2.3          | 11.4  |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |       |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |       | 3.2          | ////  |
| TOTALS                 | 1.8                  | 33.3 | 36.4 | 20.5  | 4.5   | .3    |       |       |       |       |       | 100.0        | 8.7   |

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: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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  | .6    | .6    |       |       |       |       |       |            | 2.8          | 11.3  |
| NNE                    | .1                   | .4   | 1.6  | 3.4   | .8    | .2    |       |       |       |       |            | 6.5          | 13.2  |
| NE                     |                      | .1   | .8   | 1.8   | .2    |       |       |       |       |       |            | 2.9          | 12.8  |
| ENE                    |                      | .1   | 1.3  | 1.8   |       |       |       |       |       |       |            | 3.2          | 11.2  |
| E                      |                      | .4   | 2.2  | 2.9   | .8    |       |       |       |       |       |            | 6.3          | 12.0  |
| ESE                    |                      | .1   | .8   | .4    |       |       |       |       |       |       |            | 1.3          | 10.6  |
| SE                     |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| SSE                    |                      | .7   | .4   | .9    | .1    |       |       |       |       |       |            | 2.1          | 10.4  |
| S                      | .1                   | 1.0  | 6.5  | 5.4   | .6    |       |       |       |       |       |            | 13.6         | 10.7  |
| SSW                    | .1                   | 4.3  | 14.4 | 7.8   | .2    | .1    |       |       |       |       |            | 26.9         | 9.7   |
| SW                     | .1                   | 3.5  | 8.1  | 1.6   |       |       |       |       |       |       |            | 13.3         | 8.4   |
| WSW                    | .7                   | 3.9  | 1.3  | .2    |       |       |       |       |       |       |            | 6.1          | 5.9   |
| W                      | .2                   | 2.9  | 1.4  | .6    | .1    |       |       |       |       |       |            | 5.2          | 6.7   |
| WNN                    |                      | .7   | .8   | .2    |       |       |       |       |       |       |            | 1.7          | 8.1   |
| NW                     |                      | .3   | .7   | .7    | .2    |       |       |       |       |       |            | 1.9          | 10.9  |
| NNW                    | .2                   | .3   | .7   | 1.6   | .4    |       |       |       |       |       |            | 3.2          | 11.7  |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 2.9          | ////  |
| TOTALS                 | 1.6                  | 19.2 | 42.4 | 29.7  | 4.0   | .3    |       |       |       |       |            | 100.0        | 9.6   |

TOTAL NUMBER OF OBSERVATIONS: 902

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: MAY HOURS(LST): 1800-2200

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                                   | 1.4  | 1.6  | .5    |       |       |       |       |       |       |            | 3.9          | 7.7   |
| NNE                    |                                      | .7   | 2.2  | 3.2   | .4    |       |       |       |       |       |            | 6.4          | 11.5  |
| NE                     |                                      | 1.1  | 1.3  | 1.6   | .1    |       |       |       |       |       |            | 4.1          | 10.2  |
| ENE                    |                                      | .9   | 2.7  | 1.9   | .3    |       |       |       |       |       |            | 5.8          | 10.4  |
| E                      |                                      | .5   | 2.4  | 3.7   | .4    |       |       |       |       |       |            | 7.1          | 11.6  |
| ESE                    | .1                                   | .1   |      |       |       |       |       |       |       |       |            | .2           | 3.5   |
| SE                     | .2                                   | .5   | .3   | .1    |       |       |       |       |       |       |            | 1.2          | 6.4   |
| SSE                    | .3                                   | 4.1  | 2.7  | 1.1   |       |       |       |       |       |       |            | 8.3          | 7.0   |
| S                      | .8                                   | 10.0 | 6.8  | 2.5   | .1    |       |       |       |       |       |            | 20.2         | 7.4   |
| SSW                    | .7                                   | 5.7  | 6.2  | 1.0   | .2    |       |       |       |       |       |            | 13.4         | 7.4   |
| SW                     | .1                                   | 2.4  | 1.4  | .4    |       |       |       |       |       |       |            | 4.4          | 6.8   |
| WSW                    | .3                                   | 1.0  | .4   |       |       |       |       |       |       |       |            | 1.7          | 5.6   |
| W                      | .3                                   | .9   | .4   | .2    |       |       |       |       |       |       |            | 1.9          | 6.6   |
| WNW                    | .2                                   | .8   | .4   | .2    |       |       |       |       |       |       |            | 1.6          | 6.5   |
| NW                     | .1                                   | .5   | .8   | .8    | .2    |       |       |       |       |       |            | 2.4          | 10.1  |
| NNW                    |                                      | 1.1  | 1.2  | 2.4   | 1.0   |       |       |       |       |       |            | 5.7          | 12.1  |
| VARIABLE               | //////////////////////////////////// |      |      |       |       |       |       |       |       |       |            | 11.6         | ////  |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |       |            | 11.6         | ////  |
| TOTALS                 | 3.2                                  | 31.8 | 31.0 | 19.7  | 2.8   |       |       |       |       |       |            | 103.0        | 7.6   |

TOTAL NUMBER OF OBSERVATIONS: 916

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |       |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 |            |              | GE 56 |
| N                      | .6                   | 4.0  | 3.4  | 1.1   |       | .1    |       |       |       |       |            | 9.1          | 7.5   |
| NNE                    | .3                   | 2.4  | 1.5  | 1.1   | .2    | .1    |       |       |       |       |            | 5.7          | 8.3   |
| NE                     | .1                   | 1.3  | 2.0  | .6    |       |       |       |       |       |       |            | 4.0          | 8.1   |
| ENE                    | .1                   | 2.0  | .8   | 1.1   | .1    |       |       |       |       |       |            | 4.1          | 8.4   |
| E                      | .3                   | .2   | 1.0  | .6    | .1    |       |       |       |       |       |            | 2.4          | 9.5   |
| ESE                    | .1                   | .4   |      |       |       |       |       |       |       |       |            | .6           | 4.2   |
| SE                     |                      | 1.0  | .3   | .1    |       |       |       |       |       |       |            | 1.4          | 5.8   |
| SSE                    | 1.0                  | 2.4  | 1.5  | .7    |       |       |       |       |       |       |            | 5.6          | 6.4   |
| S                      | .6                   | 4.3  | 2.3  | .7    |       |       |       |       |       |       |            | 7.8          | 6.6   |
| SSW                    |                      | .4   | .4   | .2    |       |       |       |       |       |       |            | 1.1          | 7.4   |
| SW                     |                      | .2   | .1   |       |       |       |       |       |       |       |            | .3           | 6.7   |
| WSW                    | .1                   | .2   |      |       |       |       |       |       |       |       |            | .3           | 4.3   |
| W                      |                      | .3   |      |       |       |       |       |       |       |       |            | .3           | 4.3   |
| WNW                    |                      | .4   | .1   | .4    |       |       |       |       |       |       |            | 1.0          | 9.6   |
| NW                     | .1                   | 1.1  | 1.2  | 1.3   | .2    |       |       |       |       |       |            | 4.0          | 9.6   |
| NNW                    | .4                   | 2.0  | 1.7  | 3.6   | .9    | .1    |       |       |       |       |            | 8.7          | 11.0  |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 43.5         | ////  |
| TOTALS                 | 3.7                  | 22.8 | 16.4 | 11.7  | 1.5   | .3    |       |       |       |       |            | 100.0        | 4.6   |

TOTAL NUMBER OF OBSERVATIONS: 948

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: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                   | 3.1  | 2.6  | 1.6   | .2    | .0    |       |       |            |              |       | 7.9   | 8.1   |
| NNE                    | .2                   | 1.3  | 1.4  | 2.6   | .6    | .1    |       |       |            |              |       | 6.3   | 11.2  |
| NE                     | .1                   | .7   | .8   | 1.0   | .1    |       |       |       |            |              |       | 2.7   | 10.2  |
| ENE                    | .1                   | .6   | .8   | 1.0   | .1    | .0    | .0    |       |            |              |       | 2.7   | 10.1  |
| E                      | .1                   | .4   | 1.0  | 1.1   | .2    |       |       |       |            |              |       | 2.7   | 10.8  |
| ESE                    | .1                   | .2   | .2   | .1    | .0    |       |       |       |            |              |       | .5    | 7.8   |
| SE                     | .1                   | .4   | .2   | .1    |       | .0    |       |       |            |              |       | .8    | 7.0   |
| SSE                    | .3                   | 1.6  | 1.2  | .5    | .0    |       |       |       |            |              |       | 3.6   | 7.2   |
| S                      | .2                   | 2.6  | 2.5  | 1.5   | .1    |       |       |       |            |              |       | 7.0   | 8.4   |
| SSW                    | .2                   | 2.1  | 3.6  | 1.7   | .1    | .0    |       |       |            |              |       | 7.6   | 8.8   |
| SW                     | .1                   | 2.0  | 2.4  | .5    | .0    |       |       |       |            |              |       | 4.9   | 7.6   |
| WSW                    | .3                   | 2.9  | .9   | .1    |       |       |       |       |            |              |       | 4.2   | 5.7   |
| W                      | .2                   | 3.2  | 1.5  | .2    | .0    |       |       |       |            |              |       | 5.2   | 6.3   |
| WNW                    | .2                   | 1.5  | 1.1  | .2    | .0    |       |       |       |            |              |       | 3.0   | 6.9   |
| NW                     | .2                   | 1.3  | 1.4  | 1.1   | .3    | .0    |       |       |            |              |       | 4.3   | 9.5   |
| NNW                    | .2                   | 2.0  | 2.0  | 2.2   | .5    | .0    |       |       |            |              |       | 7.0   | 10.0  |
| VARIABLE               |                      |      |      |       |       |       |       |       |            |              |       |       |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |            |              |       | 29.5  | ////  |
| TOTALS                 | 2.9                  | 26.0 | 23.5 | 15.4  | 2.4   | .2    | .0    |       |            |              |       | 100.0 | 6.1   |

TOTAL NUMBER OF OBSERVATIONS: 7297

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                   | 7.3  | 4.4  | 1.5   | .2    |       |       |       |       |       |            | 13.7         | 6.9   |
| NNE                    | .3                   | 2.6  | 2.1  | 1.1   | .5    |       |       |       |       |       |            | 6.6          | 8.6   |
| NE                     |                      | .6   | .3   | .1    | .1    |       |       |       |       |       |            | 1.1          | 8.4   |
| ENE                    |                      | .5   | .2   |       | .1    |       |       |       |       |       |            | .8           | 7.4   |
| E                      | .1                   | .6   |      | .3    | .1    |       |       |       |       |       |            | 1.1          | 9.1   |
| ESE                    |                      | .2   |      |       |       |       |       |       |       |       |            | .2           | 5.0   |
| SE                     | .2                   | .3   | .1   |       |       |       |       |       |       |       |            | .7           | 4.7   |
| SSE                    | .1                   | 1.7  | .1   |       |       |       |       |       |       |       |            | 1.3          | 4.9   |
| S                      |                      | .8   | .3   |       |       |       |       |       |       |       |            | 1.1          | 5.2   |
| SSW                    |                      | .3   |      |       |       |       |       |       |       |       |            | .3           | 4.7   |
| SW                     |                      |      | .1   |       |       |       |       |       |       |       |            | .1           | 8.0   |
| WSW                    |                      | .1   |      |       |       |       |       |       |       |       |            | .1           | 4.0   |
| W                      |                      | .1   |      |       |       |       |       |       |       |       |            | .1           | 5.0   |
| WNW                    |                      | .6   | .3   | .5    |       |       |       |       |       |       |            | 1.4          | 9.3   |
| NW                     | .1                   | 1.3  | .7   | 1.3   | .5    |       |       |       |       |       |            | 3.8          | 10.0  |
| NNW                    | .7                   | 4.8  | 3.4  | 4.0   | .3    |       |       |       |       |       |            | 13.3         | 8.8   |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 54.1         | ////  |
| TOTALS                 | 2.2                  | 20.8 | 12.1 | 8.8   | 1.8   |       |       |       |       |       |            | 100.0        | 3.7   |

TOTAL NUMBER OF OBSERVATIONS: 873

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                   | 10.3 | 4.7  | 1.3   |       |       |       |       |       |       |            | 17.2         | 6.6   |
| NNE                    | .3                   | 3.5  | 1.6  | 2.0   | .6    |       |       |       |       |       |            | 7.9          | 8.7   |
| NE                     | .3                   | .7   | .2   | .6    |       | .1    |       |       |       |       |            | 2.0          | 8.5   |
| ENE                    | .1                   | .3   | .1   | .2    |       |       |       |       |       |       |            | .8           | 7.0   |
| E                      |                      | .7   | .1   |       |       |       |       |       |       |       |            | .8           | 5.3   |
| ESE                    |                      | .3   |      |       |       |       |       |       |       |       |            | .3           | 4.0   |
| SE                     |                      | .6   | .2   |       |       |       |       |       |       |       |            | .8           | 5.3   |
| SSE                    |                      | .5   |      |       |       |       |       |       |       |       |            | .5           | 5.5   |
| S                      |                      | .5   |      |       |       |       |       |       |       |       |            | .5           | 4.5   |
| SSW                    |                      | .1   | .1   |       |       |       |       |       |       |       |            | .2           | 7.0   |
| SW                     | .1                   |      | .1   | .1    |       |       |       |       |       |       |            | .3           | 8.3   |
| WSW                    |                      | .2   |      |       |       |       |       |       |       |       |            | .2           | 4.0   |
| WNW                    |                      | .1   | .3   | .3    |       |       |       |       |       |       |            | .8           | 10.6  |
| NW                     | .1                   | .7   | 1.2  | .7    | .2    | .2    |       |       |       |       |            | 3.1          | 10.9  |
| NNW                    | .9                   | 3.1  | 3.0  | 2.1   | .2    | .1    |       |       |       |       |            | 9.4          | 8.3   |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 55.1         | ////  |
| TOTALS                 | 2.9                  | 21.5 | 11.8 | 7.3   | 1.0   | .5    |       |       |       |       |            | 100.0        | 3.5   |

TOTAL NUMBER OF OBSERVATIONS: 968



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

STATION NUMBER: 167160    STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                   | 6.4  | 5.0  | 1.9   | .1    |       |       |       |       |       |            | 14.4         | 7.1   |
| NNE                    | .3                   | 1.7  | 2.7  | 3.1   | .3    |       | .1    |       |       |       |            | 8.4          | 10.2  |
| NE                     |                      | .6   | .6   | .6    | .2    |       |       |       |       |       |            | 1.9          | 10.6  |
| ENE                    |                      | .7   | .1   | .1    |       |       |       |       |       |       |            | .6           | 8.0   |
| E                      |                      | .1   | .1   |       |       |       |       |       |       |       |            | .2           | 8.0   |
| ESE                    | .2                   | .1   |      |       |       |       |       |       |       |       |            | .3           | 3.0   |
| SE                     | .1                   | .1   | .1   |       |       |       |       |       |       |       |            | .3           | 5.3   |
| SSE                    | .1                   | .1   | .3   |       |       |       |       |       |       |       |            | .6           | 6.6   |
| S                      | .1                   | .8   | .3   |       |       |       |       |       |       |       |            | 1.3          | 5.9   |
| SSW                    | .2                   | .3   | .1   | .1    |       |       |       |       |       |       |            | .8           | 5.6   |
| SW                     |                      | .2   |      |       |       |       |       |       |       |       |            | .2           | 5.0   |
| WSW                    |                      | .1   |      |       |       |       |       |       |       |       |            | .1           | 6.0   |
| W                      |                      | .9   | .1   | .1    |       |       |       |       |       |       |            | 1.1          | 5.8   |
| WNW                    | .2                   | 1.9  | .6   | .2    |       |       |       |       |       |       |            | 3.0          | 6.0   |
| NW                     | .1                   | 3.5  | 2.2  | 1.3   |       |       |       |       |       |       |            | 7.1          | 7.7   |
| NNW                    | .2                   | 5.6  | 4.9  | 2.1   | .2    |       |       |       |       |       |            | 13.0         | 8.0   |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 46.6         | ////  |
| TOTALS                 | 2.6                  | 23.0 | 17.3 | 9.5   | .9    |       | .1    |       |       |       |            | 100.0        | 4.2   |

TOTAL NUMBER OF OBSERVATIONS: 874

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: JUN HOURS(LST): 0900-1430

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                   | 1.7  | 1.8  | 2.3   | .6    | .1    |       |       |       |       |            | 6.2          | 11.2  |
| NNE                    |                      | .6   | 2.4  | 5.6   | 2.1   | .3    |       |       |       |       |            | 11.0         | 14.1  |
| NE                     |                      |      | .9   | 2.8   | .9    | .2    |       |       |       |       |            | 4.9          | 14.5  |
| NNE                    |                      |      | .1   | .7    | .1    |       |       |       |       |       |            | .9           | 13.1  |
| E                      |                      | .1   |      | .1    |       |       |       |       |       |       |            | .2           | 9.0   |
| ESE                    |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| SF                     |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| SSE                    |                      |      |      | .6    |       |       |       |       |       |       |            | .6           | 13.0  |
| S                      | .1                   | .2   | .3   |       |       |       |       |       |       |       |            | .7           | 7.3   |
| SSW                    | .1                   | 1.7  | .7   |       | .2    |       |       |       |       |       |            | 2.8          | 7.1   |
| SW                     | .6                   | 3.2  | .7   |       |       |       |       |       |       |       |            | 4.7          | 5.0   |
| WSW                    | .6                   | 7.6  | .7   |       |       |       |       |       |       |       |            | 8.8          | 4.8   |
| W                      | 1.2                  | 12.6 | 4.5  | .2    |       |       |       |       |       |       |            | 18.6         | 5.9   |
| WNW                    | .7                   | 7.3  | 3.0  | .9    |       |       |       |       |       |       |            | 11.9         | 6.5   |
| NW                     | .3                   | 3.8  | 4.7  | 2.1   | .1    |       |       |       |       |       |            | 11.0         | 8.3   |
| NNW                    |                      | 1.5  | 2.1  | 1.9   | .6    |       |       |       |       |       |            | 6.1          | 10.4  |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 11.7         | ////  |
| TOTALS                 | 4.0                  | 39.9 | 21.9 | 17.2  | 4.6   | .7    |       |       |       |       |            | 100.0        | 7.4   |

TOTAL NUMBER OF OBSERVATIONS: 972

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: 167160 STATION NAME: PELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 76-87  
 MONTH: JUN HOURS(LST): 1200-1400

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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   | 1.5   | .5    |       |       |       |       |       |            | 3.0          | 12.5  |
| NNE                    |                      |      | .1   | 2.1   | 5.0   | 2.2   | .2    |       |       |       |            | 9.6          | 14.1  |
| NE                     |                      |      | .3   | 1.5   | 2.2   | .5    | .2    |       |       |       |            | 4.7          | 12.8  |
| ENE                    |                      |      | .1   | .3    | 1.3   | .7    | .1    |       |       |       |            | 2.5          | 14.2  |
| E                      |                      |      | .1   | .5    | .3    |       |       |       |       |       |            | .9           | 10.5  |
| ESE                    |                      |      | .2   | .2    | .1    |       |       |       |       |       |            | .6           | 8.4   |
| SE                     |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| SSE                    |                      |      | .1   | .1    | .3    | .2    |       |       |       |       |            | .8           | 12.9  |
| S                      |                      |      | .7   | 1.1   | .8    | .3    |       |       |       |       |            | 3.0          | 10.6  |
| SSW                    |                      | .1   | 3.4  | 8.1   | 2.6   |       |       |       |       |       |            | 14.3         | 8.8   |
| SW                     |                      | .2   | 7.8  | 7.1   | 1.1   |       |       |       |       |       |            | 16.3         | 7.2   |
| WSW                    |                      | .8   | 8.9  | 3.7   | .1    |       |       |       |       |       |            | 13.4         | 5.9   |
| W                      |                      | .6   | 7.6  | 7.0   | .8    |       |       |       |       |       |            | 15.9         | 7.0   |
| WNW                    |                      |      | 2.5  | 1.8   | 1.6   | .2    |       |       |       |       |            | 6.2          | 8.7   |
| NW                     |                      |      | .9   | .6    | 1.5   | .2    |       |       |       |       |            | 3.2          | 10.1  |
| NNW                    |                      |      | .6   | .7    | .8    | .6    |       |       |       |       |            | 2.6          | 11.8  |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 2.9          | ////  |
| TOTALS                 | 1.7                  | 33.7 | 55.6 | 20.2  | 5.4   | .6    |       |       |       |       |            | 100.0        | 8.8   |

TOTAL NUMBER OF OBSERVATIONS: 872

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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   | .6    |       |       |       |       |       |       |            | 1.5          | 10.5  |
| NNE                    |                      |      | 1.5  | 5.3   | 1.4   | .2    |       |       |       |       |            | 8.4          | 14.2  |
| NE                     |                      |      | 1.3  | 2.5   | .5    | .4    |       |       |       |       |            | 4.6          | 13.8  |
| ENE                    |                      | .1   | 1.5  | 1.6   | .4    | .1    |       |       |       |       |            | 3.7          | 12.7  |
| E                      | .1                   | .1   | 1.3  | 3.0   | .7    |       |       |       |       |       |            | 5.3          | 13.2  |
| ESE                    |                      |      | .8   | .2    |       |       |       |       |       |       |            | 1.1          | 9.6   |
| SE                     |                      | .1   | .1   | .2    |       |       |       |       |       |       |            | .5           | 9.8   |
| SSE                    |                      | .5   | .7   | .8    | .2    |       |       |       |       |       |            | 2.2          | 10.9  |
| S                      |                      | 1.8  | 6.4  | 3.3   | .4    |       |       |       |       |       |            | 11.8         | 9.9   |
| SSW                    |                      | 3.9  | 16.1 | 8.5   | .1    |       |       |       |       |       |            | 28.6         | 9.7   |
| SW                     | .1                   | 2.9  | 8.6  | 3.6   |       |       |       |       |       |       |            | 15.3         | 9.0   |
| WSW                    | .6                   | 2.8  | 1.4  | .1    |       |       |       |       |       |       |            | 4.9          | 6.1   |
| W                      |                      | 2.2  | 2.3  | .5    |       |       |       |       |       |       |            | 5.0          | 7.4   |
| WNW                    | .1                   | .6   | .8   | .5    | .4    |       |       |       |       |       |            | 2.3          | 9.8   |
| NW                     |                      | .2   | .2   | .8    | .6    |       |       |       |       |       |            | 1.9          | 13.1  |
| NNW                    |                      | .1   | .4   | .6    | .5    |       |       |       |       |       |            | 1.5          | 13.6  |
| VARIABLE               |                      | .2   | .1   |       |       |       |       |       |       |       |            | .4           | 6.0   |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 1.1        | ////         |       |
| TOTALS                 | .9                   | 15.0 | 44.4 | 32.1  | 5.7   | .7    |       |       |       |       |            | 100.0        | 10.2  |

TOTAL NUMBER OF OBSERVATIONS: 856

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: JUN HOURS(LST): 1800-2400

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |       |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 |            |              | GE 56 |
| N                      |                      |      | .6   | .5    | .2    |       |       |       |       |       |            | 1.3          | 12.0  |
| NNE                    |                      | .3   | 2.5  | 3.9   | .7    |       |       |       |       |       |            | 7.5          | 12.4  |
| NE                     |                      | .9   | 1.7  | 2.9   | .5    |       |       |       |       |       |            | 6.0          | 11.7  |
| ENE                    |                      | .8   | 2.7  | 2.7   | .1    |       |       |       |       |       |            | 6.2          | 10.5  |
| E                      |                      | .8   | 2.4  | 3.9   | .3    | .1    |       |       |       |       |            | 7.6          | 11.8  |
| ESE                    |                      | .2   | .1   |       |       |       |       |       |       |       |            | .3           | 6.3   |
| SE                     |                      | .9   | .3   | .1    |       |       |       |       |       |       |            | 1.4          | 6.7   |
| SSE                    |                      |      | 2.5  | 2.9   | .6    |       |       |       |       |       |            | 6.0          | 7.5   |
| S                      | .3                   | 9.4  | 12.4 | 2.3   |       |       |       |       |       |       |            | 24.4         | 7.7   |
| SSW                    | .1                   | 5.2  | 8.7  | 2.4   |       |       |       |       |       |       |            | 16.4         | 8.2   |
| SW                     | .1                   | 2.2  | 1.7  | .2    |       |       |       |       |       |       |            | 4.3          | 6.6   |
| WSW                    | .1                   | 1.0  | .7   |       |       |       |       |       |       |       |            | 1.8          | 5.9   |
| W                      | .5                   | .7   | .9   |       |       |       |       |       |       |       |            | 2.1          | 6.2   |
| WNW                    | .1                   | .3   | .2   | .5    | .3    |       |       |       |       |       |            | 1.5          | 11.8  |
| NW                     |                      | .5   | .5   | .7    | .2    |       |       |       |       |       |            | 1.8          | 11.1  |
| NNW                    | .1                   | .3   | .2   | 1.6   | .5    | .1    |       |       |       |       |            | 2.9          | 13.3  |
| VARIABLE               |                      | .1   |      |       |       |       |       |       |       |       |            | .1           | 6.0   |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 8.2          | ////  |
| TOTALS                 | 1.4                  | 26.4 | 38.6 | 22.3  | 2.9   | .2    |       |       |       |       |            | 100.0        | 8.4   |

TOTAL NUMBER OF OBSERVATIONS: 865

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIXON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 |            |              |
| N                      | .1                   | 4.2  | 3.0  | 1.4   |       |       |       | 8.7        | 7.5          |
| NNE                    | .3                   | 2.7  | 3.9  | 1.5   | .2    | .1    |       | 8.8        | 8.6          |
| NE                     |                      | 1.2  | 1.5  | .2    | .1    | .1    |       | 3.1        | 8.9          |
| ENE                    | .2                   | 1.7  | 2.3  | .5    | .1    |       |       | 4.4        | 8.3          |
| E                      |                      | .7   | .8   | .6    |       |       |       | 2.1        | 8.9          |
| ESE                    | .1                   | .5   |      |       |       |       |       | .6         | 3.8          |
| SE                     | .1                   | 1.5  |      |       |       |       |       | 1.6        | 4.6          |
| SSE                    | .9                   | 2.9  | .8   |       |       |       |       | 4.6        | 4.8          |
| S                      | .6                   | 6.6  | 2.2  | .2    |       |       |       | 9.6        | 5.4          |
| SSW                    |                      | 1.6  | .1   | .1    |       |       |       | 1.9        | 5.4          |
| SW                     |                      | .7   | .1   |       |       |       |       | .8         | 5.0          |
| WSW                    | .2                   | .5   | .1   |       |       |       |       | .8         | 4.7          |
| W                      | .1                   | .6   | .3   |       |       |       |       | 1.0        | 5.9          |
| WNW                    | .1                   | .9   | .1   | .2    | .2    |       |       | 1.5        | 8.2          |
| NW                     | .3                   | .7   | .3   | 1.6   |       |       |       | 3.0        | 10.0         |
| NNW                    | .3                   | 1.2  | 1.6  | 2.8   | .8    |       |       | 6.7        | 11.2         |
| VARIABLE               |                      |      |      |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       | 43.9       | ////         |
| TOTALS                 | 3.6                  | 27.4 | 17.7 | 9.1   | 1.5   | .2    |       | 100.0      | 4.5          |

TOTAL NUMBER OF OBSERVATIONS: 966

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: MELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                   | 3.7  | 2.6  | 1.4   | .2    | .0    |       |       |       |       |            | 8.3          | 7.8   |
| NNE                    | .2                   | 1.4  | 2.4  | 3.4   | 1.0   | .1    | .0    |       |       |       |            | 8.5          | 11.6  |
| NE                     | .0                   | .5   | 1.0  | 1.5   | .3    | .1    |       |       |       |       |            | 3.5          | 12.0  |
| ENE                    | .0                   | .4   | .9   | .9    | .2    | .0    |       |       |       |       |            | 2.5          | 10.7  |
| E                      | .0                   | .4   | .6   | 1.0   | .1    | .0    |       |       |       |       |            | 2.3          | 11.3  |
| ESE                    | .0                   | .2   | .1   | .0    |       |       |       |       |       |       |            | .4           | 6.6   |
| SE                     | .1                   | .4   | .1   | .0    |       |       |       |       |       |       |            | .7           | 5.8   |
| SESE                   | .1                   | 1.0  | .6   | .3    | .1    |       |       |       |       |       |            | 2.1          | 7.4   |
| S                      | .1                   | 2.6  | 2.9  | .8    | .1    |       |       |       |       |       |            | 6.5          | 7.8   |
| SSW                    | .1                   | 2.1  | 4.2  | 1.7   | .0    |       |       |       |       |       |            | 8.1          | 8.8   |
| SW                     | .2                   | 2.1  | 2.3  | .6    |       |       |       |       |       |       |            | 5.2          | 7.5   |
| WSW                    | .3                   | 2.6  | .8   | .0    |       |       |       |       |       |       |            | 3.8          | 5.6   |
| W                      | .3                   | 3.1  | 1.9  | .2    |       |       |       |       |       |       |            | 5.5          | 6.4   |
| WNW                    | .2                   | 1.8  | .9   | .6    | .1    |       |       |       |       |       |            | 3.6          | 7.8   |
| NW                     | .1                   | 1.5  | 1.3  | 1.2   | .2    | .0    |       |       |       |       |            | 4.4          | 9.3   |
| NNW                    | .3                   | 2.2  | 2.0  | 2.0   | .5    | .0    |       |       |       |       |            | 7.0          | 9.5   |
| VARIABLE               |                      | .0   | .0   |       |       |       |       |       |       |       |            | .1           | 6.0   |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 27.6       | ////         |       |
| TOTALS                 | 2.4                  | 26.1 | 24.8 | 15.8  | 2.9   | .4    | .0    |       |       |       |            | 100.0        | 6.3   |

TOTAL NUMBER OF OBSERVATIONS: 6946

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ARS/ATHENS GR

PERIOD OF RECORD: 7A-87  
 MONTH: JUL HOURS(LST): 0000-0400

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                   | 11.5 | 5.4  | 1.5   | .2    |       |       |       |       |       |       | 19.3       | 6.9          |
| NNE                    | .3                   | 4.5  | 3.9  | 2.4   | .3    | .1    |       |       |       |       |       | 11.6       | 8.7          |
| NE                     |                      | 1.1  | 1.3  | 1.1   |       | .1    |       |       |       |       |       | 3.6        | 9.8          |
| ENE                    | .2                   | .6   | .6   | .8    | .1    |       |       |       |       |       |       | 2.2        | 9.1          |
| E                      |                      | .2   | .2   | .7    | .1    |       |       |       |       |       |       | 1.2        | 11.2         |
| ESE                    | .1                   | .2   |      |       |       |       |       |       |       |       |       | .3         | 4.0          |
| SE                     | .1                   |      |      |       |       |       |       |       |       |       |       | .1         | 3.0          |
| SSE                    | .2                   | .4   |      |       |       |       |       |       |       |       |       | .7         | 4.0          |
| S                      |                      | .7   |      |       |       |       |       |       |       |       |       | .2         | 5.0          |
| SSW                    |                      | .1   | .1   |       |       |       |       |       |       |       |       | .2         | 7.5          |
| SW                     |                      | .1   |      |       |       |       |       |       |       |       |       | .1         | 5.0          |
| WSW                    |                      | .1   |      |       |       |       |       |       |       |       |       | .1         | 5.0          |
| W                      | .1                   | .2   |      |       |       |       |       |       |       |       |       | .3         | 4.0          |
| WNW                    | .2                   | .6   |      | .1    |       |       |       |       |       |       |       | .9         | 5.4          |
| NW                     | .1                   | 1.7  | .4   | .7    |       |       |       |       |       |       |       | 2.9        | 7.2          |
| NNW                    | .4                   | 2.8  | 1.9  | 1.5   | .1    |       |       |       |       |       |       | 6.8        | 7.8          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |       | 49.3       | ////         |
| TOTALS                 | 2.6                  | 24.3 | 13.8 | 8.8   | .9    | .2    |       |       |       |       |       | 100.0      | 3.9          |

TOTAL NUMBER OF OBSERVATIONS: 206



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIXON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                  | 11.8 | 8.4  | 1.3   |       |       |       |       |       |       |       | 22.8       | 6.7          |
| NNE                    | .3                   | 3.3  | 3.6  | 3.2   | .6    | .2    |       |       |       |       |       | 11.3       | 9.7          |
| NE                     |                      | 1.7  | 1.5  | .6    | .1    |       |       |       |       |       |       | 3.9        | 7.9          |
| FNE                    | .2                   | .8   | .7   | .3    |       |       |       |       |       |       |       | 2.0        | 7.5          |
| E                      | .1                   | .9   | .6   | .2    |       |       |       |       |       |       |       | 1.8        | 7.0          |
| ESE                    |                      |      |      |       |       |       |       |       |       |       |       |            |              |
| SE                     |                      |      |      |       |       |       |       |       |       |       |       |            |              |
| SSE                    |                      | .2   |      |       |       |       |       |       |       |       |       | .2         | 4.0          |
| S                      |                      |      |      |       |       |       |       |       |       |       |       |            |              |
| SSW                    | .1                   |      |      |       |       |       |       |       |       |       |       | .1         | 3.0          |
| SW                     |                      | .1   | .1   |       |       |       |       |       |       |       |       | .2         | 5.5          |
| WSW                    |                      |      |      |       |       |       |       |       |       |       |       |            |              |
| W                      |                      | .2   |      |       |       |       |       |       |       |       |       | .2         | 5.0          |
| WNW                    |                      | .2   |      | .1    |       |       |       |       |       |       |       | .3         | 8.0          |
| NW                     | .4                   | 1.0  | .7   | .3    |       |       |       |       |       |       |       | 2.4        | 6.9          |
| NNW                    | .2                   | 2.9  | 2.4  | .7    |       |       |       |       |       |       |       | 6.2        | 7.1          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |       | 48.6       | ////         |
| TOTALS                 | 2.7                  | 23.1 | 18.0 | 6.7   | .7    | .2    |       |       |       |       |       | 100.0      | 3.9          |

TOTAL NUMBER OF OBSERVATIONS: 905

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                   | 9.6  | 8.0  | 3.3   | .2    |       |       |       |       |       |            | 21.6         | 7.8   |
| NNE                    | .3                   | 2.9  | 4.5  | 6.2   | 1.5   | .2    |       |       |       |       |            | 15.7         | 11.1  |
| NE                     | .2                   | .4   | 2.1  | 1.1   | .1    |       |       |       |       |       |            | 4.2          | 9.5   |
| ENE                    | .1                   | .7   | .4   | .3    |       |       |       |       |       |       |            | 1.5          | 7.2   |
| E                      |                      | .4   | .4   |       |       |       |       |       |       |       |            | .9           | 7.0   |
| ESE                    |                      |      | .1   |       |       |       |       |       |       |       |            | .1           | 10.0  |
| SE                     | .1                   |      |      |       |       |       |       |       |       |       |            | .1           | 3.0   |
| SSE                    | .1                   | .2   |      |       |       |       |       |       |       |       |            | .2           | 3.7   |
| S                      | .1                   |      |      |       |       |       |       |       |       |       |            | .1           | 3.0   |
| SSW                    | .1                   | .3   |      | .1    |       |       |       |       |       |       |            | .6           | 6.0   |
| SW                     |                      | .1   |      |       |       |       |       |       |       |       |            | .1           | 6.0   |
| WSW                    | .1                   |      |      |       |       |       |       |       |       |       |            | .1           | 3.0   |
| W                      | .1                   | .7   | .1   |       |       |       |       |       |       |       |            | .9           | 4.4   |
| WNW                    | .4                   | .8   | .6   | .2    |       |       |       |       |       |       |            | 2.0          | 5.9   |
| NW                     | .7                   | 2.8  | 1.1  | .2    |       |       |       |       |       |       |            | 4.4          | 6.3   |
| NNW                    | .6                   | 3.6  | 2.6  | .7    | .1    |       |       |       |       |       |            | 7.6          | 7.0   |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 47.0         | ////  |
| TOTALS                 | 7.1                  | 22.5 | 20.1 | 12.1  | 2.0   | .2    |       |       |       |       |            | 100.0        | 5.3   |

TOTAL NUMBER OF OBSERVATIONS: 907

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                   | 1.0  | 2.7  | 4.7   | .8    |       |       |       |       |       |            | 9.2          | 11.7  |
| NNE                    |                      | .6   | 4.7  | 11.3  | 3.3   | .4    | .2    |       |       |       |            | 20.5         | 13.8  |
| NE                     |                      | .1   | 2.3  | 5.1   | 1.0   | .2    |       |       |       |       |            | 8.7          | 13.7  |
| ENE                    |                      | .4   | .3   | .9    |       |       |       |       |       |       |            | 1.7          | 10.3  |
| E                      |                      | .2   | .4   | .4    |       |       |       |       |       |       |            | 1.1          | 10.9  |
| ESE                    |                      | .1   |      |       |       |       |       |       |       |       |            | .1           | 4.0   |
| SE                     |                      |      | .1   |       |       |       |       |       |       |       |            | .1           | 10.0  |
| SSE                    |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| S                      |                      | .2   |      |       |       |       |       |       |       |       |            | .2           | 4.0   |
| SSW                    | .1                   | .8   | .1   |       |       |       |       |       |       |       |            | 1.0          | 4.7   |
| SW                     |                      | 1.9  | .8   |       |       |       |       |       |       |       |            | 2.7          | 5.6   |
| WSW                    | .9                   | 5.9  | 1.2  |       |       |       |       |       |       |       |            | 8.0          | 5.2   |
| W                      | .6                   | 11.1 | 3.0  | .3    |       |       |       |       |       |       |            | 15.0         | 5.7   |
| WNW                    | .1                   | 6.2  | 4.3  | .2    |       |       |       |       |       |       |            | 10.9         | 6.6   |
| NW                     | .1                   | 4.7  | 4.3  | .9    | .2    |       |       |       |       |       |            | 9.5          | 7.9   |
| NNW                    | .2                   | .9   | 1.6  | .9    | .3    |       |       |       |       |       |            | 3.9          | 9.4   |
| VARIABLE               |                      | .2   |      |       |       |       |       |       |       |       |            | .2           | 5.5   |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 7.3          | ////  |
| TOTALS                 | 2.1                  | 33.6 | 25.8 | 24.7  | 5.6   | .7    | .2    |       |       |       |            | 100.0        | 8.7   |

TOTAL NUMBER OF OBSERVATIONS: 903

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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   | 1.5  | 2.0   | .4    |       |       |       |       |       |            | 4.1          | 12.3  |
| NNE                    |                      | .2   | 3.4  | 9.3   | 2.1   | .2    |       |       |       |       |            | 15.2         | 13.7  |
| NE                     |                      |      | 2.5  | 6.3   | 1.9   | .4    | .1    |       |       |       |            | 11.3         | 14.3  |
| ENE                    |                      |      | 1.3  | 3.0   | .3    |       |       |       |       |       |            | 4.6          | 13.1  |
| E                      |                      | .1   | .9   | .6    | .6    |       |       |       |       |       |            | 2.1          | 13.3  |
| ESE                    |                      |      |      | .3    | .2    |       |       |       |       |       |            | .6           | 16.6  |
| SE                     |                      | .1   | .1   | .1    |       |       |       |       |       |       |            | .3           | 9.3   |
| SSE                    |                      |      | .1   | .4    |       |       |       |       |       |       |            | .6           | 7.2   |
| S                      |                      |      | .4   | .3    | .3    |       |       |       |       |       |            | 1.1          | 8.4   |
| SSW                    | .1                   | 1.4  | 3.0  | 1.2   |       |       |       |       |       |       |            | 5.7          | 8.6   |
| SW                     | .1                   | 4.6  | 4.5  | .3    |       |       |       |       |       |       |            | 9.6          | 7.1   |
| WSW                    | .4                   | 8.8  | 6.9  | .2    |       |       |       |       |       |       |            | 16.4         | 6.5   |
| W                      | .3                   | 8.2  | 6.5  | 1.1   | .1    |       |       |       |       |       |            | 16.2         | 7.2   |
| WNW                    | .2                   | 3.2  | 3.0  | .3    |       |       |       |       |       |       |            | 6.7          | 7.1   |
| NW                     |                      | .1   | 1.3  | 1.1   |       |       |       |       |       |       |            | 2.5          | 10.7  |
| NNW                    | .1                   | .1   | .3   | .4    |       |       |       |       |       |       |            | 1.0          | 9.9   |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 1.9          | ////  |
| TOTALS                 | 1.3                  | 27.6 | 36.1 | 26.6  | 5.6   | .7    | .1    |       |       |       |            | 100.0        | 9.6   |

TOTAL NUMBER OF OBSERVATIONS: 905

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: MELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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  | 2.0   | .2    |       |       |       |       |       |            | 3.6          | 12.0  |
| NNE                    |                      |      | 1.3  | 5.6   | 1.8   | .2    |       |       |       |       |            | 8.9          | 14.8  |
| NE                     |                      | .2   | 2.6  | 5.0   | 2.2   | .2    |       |       |       |       |            | 10.2         | 13.6  |
| ENE                    |                      | .3   | 2.6  | 5.9   | 1.7   |       |       |       |       |       |            | 10.6         | 13.1  |
| E                      | .1                   | .4   | 2.5  | 4.6   | 1.9   | .4    |       |       |       |       |            | 10.0         | 13.6  |
| ESE                    |                      | .1   | .7   | 1.3   | .4    |       |       |       |       |       |            | 2.5          | 13.2  |
| SE                     |                      |      | .2   |       |       |       |       |       |       |       |            | .2           | 9.0   |
| SSE                    |                      | .2   | .6   |       |       |       |       |       |       |       |            | .8           | 7.7   |
| S                      |                      | 1.4  | 3.1  | 1.5   | .1    |       |       |       |       |       |            | 6.2          | 9.2   |
| SSW                    | .1                   | 2.4  | 9.8  | 8.5   |       |       |       |       |       |       |            | 20.8         | 10.3  |
| SW                     |                      | 2.4  | 6.9  | 2.5   |       |       |       |       |       |       |            | 11.9         | 8.8   |
| WSW                    | .2                   | 3.2  | 2.2  | .3    |       |       |       |       |       |       |            | 5.9          | 6.7   |
| W                      |                      | 2.1  | 1.9  | .1    |       |       |       |       |       |       |            | 4.1          | 6.8   |
| WNW                    |                      | 1.0  | .4   | .3    |       |       |       |       |       |       |            | 1.8          | 7.4   |
| NW                     |                      |      |      | .2    | .2    |       |       |       |       |       |            | .4           | 15.5  |
| NNW                    |                      | .2   | .2   | .3    | .1    |       |       |       |       |       |            | .9           | 10.9  |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 1.2          | ////  |
| TOTALS                 | .4                   | 14.2 | 36.4 | 38.3  | 8.6   | .9    |       |       |       |       |            | 100.0        | 11.0  |

TOTAL NUMBER OF OBSERVATIONS: 909

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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   | 1.2  | .8    | .3    |       |       |       |       |       |            | 2.5          | 11.0  |
| NNE                    |                      | .4   | 2.7  | 5.8   | 1.4   |       |       |       |       |       |            | 10.4         | 12.8  |
| NE                     | .1                   | .4   | 2.1  | 5.6   | .7    | .1    |       |       |       |       |            | 9.0          | 12.9  |
| ENE                    |                      | 1.2  | 4.4  | 7.2   | 1.2   | .1    |       |       |       |       |            | 14.1         | 12.2  |
| E                      |                      | 1.1  | 4.5  | 7.9   | 2.3   | .2    |       |       |       |       |            | 16.0         | 12.8  |
| ESE                    |                      | .7   | .5   | .3    |       |       |       |       |       |       |            | 1.5          | 8.5   |
| SE                     |                      | .3   |      | .2    |       |       |       |       |       |       |            | .5           | 8.8   |
| SSE                    |                      | 1.4  | 1.1  |       |       |       |       |       |       |       |            | 2.5          | 6.3   |
| S                      | .3                   | 5.7  | 7.8  | .5    | .1    |       |       |       |       |       |            | 14.5         | 7.5   |
| SSW                    | .2                   | 2.8  | 6.6  | 3.4   |       |       |       |       |       |       |            | 13.0         | 9.2   |
| SW                     |                      | 1.5  | 1.9  | .5    | .1    |       |       |       |       |       |            | 4.1          | 8.4   |
| WSW                    | .3                   | 1.1  | .5   |       |       |       |       |       |       |       |            | 2.0          | 5.5   |
| W                      |                      | .4   | .2   |       |       |       |       |       |       |       |            | .7           | 5.8   |
| WNW                    |                      | .3   | .1   | .1    |       |       |       |       |       |       |            | .5           | 7.2   |
| NW                     |                      | .2   | .3   |       | .2    |       |       |       |       |       |            | .8           | 11.1  |
| NNW                    | .1                   | 1.0  | .3   |       | .1    |       |       |       |       |       |            | 1.5          | 6.6   |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALP                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 6.4          | ////  |
| TOTALS                 | 1.2                  | 18.8 | 34.3 | 32.4  | 6.5   | .4    |       |       |       |       |            | 100.0        | 9.9   |

TOTAL NUMBER OF OBSERVATIONS: 913

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: PELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 79-87  
 MONTH: JUL HOURS (LST): 2100-2330

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                   | 5.6  | 5.3  | 1.5   | .1    |       |       |       |       |       |       | 12.7       | 7.5          |
| NNE                    |                      | 2.8  | 6.7  | 2.4   | .4    | .2    |       |       |       |       |       | 12.6       | 9.7          |
| NE                     | .2                   | 1.8  | 2.1  | 1.1   | .1    |       |       |       |       |       |       | 5.3        | 8.5          |
| ENE                    | .2                   | 2.3  | 2.7  | 1.9   | .2    |       |       |       |       |       |       | 7.3        | 9.1          |
| E                      | .1                   | 2.3  | 2.2  | 1.3   | .5    |       |       |       |       |       |       | 6.5        | 9.5          |
| ESE                    | .1                   | .1   |      |       |       |       |       |       |       |       |       | .2         | 3.5          |
| SE                     |                      | .4   |      |       |       |       |       |       |       |       |       | .4         | 4.5          |
| SSE                    | .2                   | 3.0  | .7   |       |       |       |       |       |       |       |       | 3.8        | 5.2          |
| S                      | .5                   | 3.4  | 1.2  |       |       |       |       |       |       |       |       | 5.1        | 5.6          |
| SSW                    | .1                   | 1.5  | .4   | .1    |       |       |       |       |       |       |       | 2.2        | 6.0          |
| SW                     |                      | .5   |      |       |       |       |       |       |       |       |       | .5         | 4.8          |
| WSW                    |                      | .2   | .1   |       |       |       |       |       |       |       |       | .3         | 5.3          |
| W                      | .1                   | .4   |      |       |       |       |       |       |       |       |       | .5         | 3.8          |
| WNW                    | .1                   | .2   | .1   | .1    |       |       |       |       |       |       |       | .5         | 6.6          |
| NW                     | .3                   | .7   | .5   | .4    | .1    |       |       |       |       |       |       | 2.1        | 8.2          |
| NNW                    |                      | 1.9  | 1.4  | 1.0   | .2    | .1    |       |       |       |       |       | 4.6        | 9.0          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |       | 35.2       | ////         |
| TOTALS                 | 2.1                  | 27.1 | 23.4 | 9.8   | 1.8   | .3    |       |       |       |       |       | 100.0      | 5.2          |

TOTAL NUMBER OF OBSERVATIONS: 914

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 7A-87  
 MONTH: JUL HOURS/DST: ALL

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |       |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 |            |              | GE 56 |
| N                      | .3                   | 5.7  | 4.2  | 2.1   | .3    |       |       |       |       |       |            | 12.0         | 8.1   |
| NNE                    | .1                   | 1.8  | 3.9  | 5.8   | 1.4   | .2    | .0    |       |       |       |            | 13.3         | 11.9  |
| NE                     | .1                   | .7   | 2.1  | 3.2   | .8    | .1    | .0    |       |       |       |            | 7.0          | 12.2  |
| ENE                    | .1                   | .9   | 1.6  | 2.5   | .4    | .2    |       |       |       |       |            | 5.5          | 11.4  |
| E                      | .7                   | .7   | 1.5  | 2.0   | .7    | .1    |       |       |       |       |            | 5.0          | 12.0  |
| ESE                    | .0                   | .2   | .2   | .2    | .1    |       |       |       |       |       |            | .7           | 11.0  |
| SE                     | .0                   | .1   | .1   | .0    |       |       |       |       |       |       |            | .2           | 7.3   |
| SSE                    | .1                   | .7   | .3   |       |       |       |       |       |       |       |            | 1.1          | 5.7   |
| S                      | .1                   | 1.4  | 1.6  | .3    | .0    |       |       |       |       |       |            | 3.4          | 7.5   |
| SSW                    | .1                   | 1.2  | 2.5  | 1.7   |       |       |       |       |       |       |            | 5.5          | 9.3   |
| SW                     | .0                   | 1.4  | 1.8  | .4    | .0    |       |       |       |       |       |            | 3.6          | 7.8   |
| WSW                    | .2                   | 2.4  | 1.4  | .1    |       |       |       |       |       |       |            | 4.1          | 6.1   |
| W                      | .2                   | 2.9  | 1.5  | .2    | .0    |       |       |       |       |       |            | 4.7          | 6.4   |
| WNW                    | .1                   | 1.6  | 1.1  | .2    |       |       |       |       |       |       |            | 2.9          | 6.7   |
| NW                     | .2                   | 1.3  | 1.1  | .5    | .1    |       |       |       |       |       |            | 3.1          | 7.9   |
| NNW                    | .0                   | 1.7  | 1.3  | .7    | .1    | .0    |       |       |       |       |            | 4.1          | 7.9   |
| VARIABLE               |                      | .0   |      |       |       |       |       |       |       |       |            | .0           | 5.5   |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 23.7       | ////         |       |
| TOTALS                 | 2.7                  | 22.9 | 26.0 | 20.0  | 4.0   | .5    | .0    |       |       |       |            | 100.0        | 7.2   |

TOTAL NUMBER OF OBSERVATIONS: 7062



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: PELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: AUG HOURS(LST): UCGO-0.70

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                   | 11.6 | 7.0  | 3.3   | .6    |       |       |       |       |       |            | 23.1         | 7.5   |
| NNE                    | .1                   | 4.1  | 2.8  | 3.7   | .9    | .1    |       |       |       |       |            | 11.6         | 9.8   |
| NE                     |                      | .9   | .8   | .4    | .3    | .1    |       |       |       |       |            | 2.5          | 10.3  |
| ENE                    | .4                   | 1.2  | 1.4  | .8    | .1    | .1    | .1    |       |       |       |            | 4.3          | 9.0   |
| E                      | .2                   | .6   | .1   |       |       |       |       |       |       |       |            | .9           | 4.2   |
| ESE                    |                      | .2   |      |       |       |       |       |       |       |       |            | .2           | 5.7   |
| SE                     |                      | .1   |      |       |       |       |       |       |       |       |            | .1           | 5.0   |
| SSE                    | .1                   | .3   |      |       |       |       |       |       |       |       |            | .4           | 4.3   |
| S                      | .1                   | .4   |      |       |       |       |       |       |       |       |            | .6           | 4.2   |
| SSW                    | .2                   |      |      |       |       |       |       |       |       |       |            | .2           | 3.0   |
| SW                     | .1                   |      |      |       |       |       |       |       |       |       |            | .1           | 3.0   |
| WSW                    |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| W                      |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| WNW                    |                      | .2   | .1   |       |       |       |       |       |       |       |            | .3           | 6.3   |
| NW                     | .1                   | .6   | .4   | .7    |       |       |       |       |       |       |            | 1.8          | 9.5   |
| NNW                    | .7                   | 2.7  | 2.1  | 1.6   | .1    |       |       |       |       |       |            | 7.0          | 8.1   |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 46.8         | ////  |
| TOTALS                 | 2.7                  | 23.1 | 14.6 | 10.4  | 2.0   | .3    | .1    |       |       |       |            | 100.0        | 4     |

TOTAL NUMBER OF OBSERVATIONS: 902

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |       |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 |            |              | GE 56 |
| N                      | .6                   | 11.1 | 8.7  | 3.6   | .3    |       |       |       |       |       |            | 24.2         | 7.6   |
| NNE                    | .6                   | 4.0  | 5.7  | 4.1   | .8    |       |       |       |       |       |            | 15.2         | 9.7   |
| NE                     | .3                   | 1.5  | 1.1  | .8    | .3    |       |       |       |       |       |            | 4.0          | 6.8   |
| ENE                    | .8                   | .4   | .6   | .7    |       |       |       |       |       |       |            | 2.5          | 7.5   |
| E                      | .4                   | .8   | .1   |       |       |       |       |       |       |       |            | 1.3          | 4.5   |
| ESE                    |                      | .1   |      |       |       |       |       |       |       |       |            | .1           | 4.0   |
| SE                     |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| SSE                    |                      | .1   |      |       |       |       |       |       |       |       |            | .1           | 5.0   |
| S                      |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| SSW                    |                      | .1   |      |       |       |       |       |       |       |       |            | .1           | 5.0   |
| SW                     |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| WSW                    |                      | .1   |      |       |       |       |       |       |       |       |            | .1           | 5.0   |
| W                      |                      | .1   |      |       |       |       |       |       |       |       |            | .1           | 4.0   |
| WNW                    |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| NW                     |                      | .6   |      | .1    |       |       |       |       |       |       |            | .7           | 6.8   |
| NNW                    | .7                   | 2.1  | 2.7  | 1.1   |       |       |       |       |       |       |            | 6.1          | 8.0   |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 45.4         | ////  |
| TOTALS                 | 2.9                  | 21.0 | 18.9 | 10.4  | 1.5   |       |       |       |       |       |            | 100.0        | 4.5   |

TOTAL NUMBER OF OBSERVATIONS: 895

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL | MEAN<br>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                   | 8.1  | 9.7  | 3.5   | .1    |       |       |       |       |       |       | 22.1         | 8.1   |
| NNE                    | .3                   | 4.1  | 5.5  | 6.9   | 1.2   | .3    |       |       |       |       |       | 18.3         | 10.7  |
| NE                     | .2                   | 1.2  | 1.1  | 1.4   | .2    |       |       |       |       |       |       | 4.2          | 9.7   |
| ENE                    | .2                   | .7   | .9   | .1    | .2    |       |       |       |       |       |       | 2.1          | 8.1   |
| E                      | .2                   | .9   | .2   | .6    |       |       |       |       |       |       |       | 1.9          | 7.5   |
| ESE                    |                      | .3   |      |       |       |       |       |       |       |       |       | .3           | 4.7   |
| SE                     |                      | .2   | .1   |       |       |       |       |       |       |       |       | .3           | 6.7   |
| SSE                    |                      | .1   |      |       |       |       |       |       |       |       |       | .1           | 6.0   |
| S                      |                      | .1   | .1   |       |       |       |       |       |       |       |       | .2           | 6.0   |
| SSW                    |                      | .2   |      |       |       | .1    |       |       |       |       |       | .3           | 8.7   |
| SW                     |                      |      |      |       |       |       |       |       |       |       |       |              |       |
| WSW                    |                      | .1   |      |       |       |       |       |       |       |       |       | .1           | 6.0   |
| W                      | .1                   | .1   |      |       |       |       |       |       |       |       |       | .2           | 4.0   |
| WNW                    | .1                   | .6   |      |       |       |       |       |       |       |       |       | .7           | 4.5   |
| NW                     | .1                   | 1.2  | 1.0  | .1    |       |       |       |       |       |       |       | 2.4          | 6.9   |
| NNW                    | .1                   | 3.4  | 2.3  | .4    | .2    |       |       |       |       |       |       | 6.5          | 7.2   |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |       |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |       | 40.1         | ////  |
| TOTALS                 | 2.1                  | 21.3 | 21.0 | 13.0  | 2.1   | .3    |       |       |       |       |       | 100.0        | 5.2   |

TOTAL NUMBER OF OBSERVATIONS: 905

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL | MEAN<br>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  | 5.2  | 3.5   | .6    | .1    |       |       |       |       |       | 10.9         | 10.7  |
| NNE                    |                      | 1.1  | 5.6  | 11.5  | 5.0   | .6    |       |       |       |       |       | 23.8         | 13.7  |
| NE                     |                      | .6   | 1.3  | 5.1   | 1.6   | .1    |       |       |       |       |       | 8.6          | 13.8  |
| ENE                    |                      | .3   | 1.0  | .9    | .1    |       |       |       |       |       |       | 2.3          | 10.4  |
| E                      |                      |      | .2   | .7    | .9    |       |       |       |       |       |       | 1.8          | 11.6  |
| ESE                    |                      |      | .1   |       |       |       |       |       |       |       |       | .1           | 4.0   |
| SE                     |                      |      | .1   |       |       |       |       |       |       |       |       | .1           | 6.0   |
| SSE                    |                      |      | .1   | .1    |       |       |       |       |       |       |       | .2           | 7.0   |
| S                      | .1                   | .1   | .1   | .3    |       |       |       |       |       |       |       | .7           | 10.0  |
| SSW                    | .1                   | .2   | .2   |       |       |       |       |       |       |       |       | .6           | 5.6   |
| SW                     | .1                   | 1.8  | .4   | .1    |       |       |       |       |       |       |       | 2.4          | 5.7   |
| WSW                    | .4                   | 3.1  | .4   |       |       |       |       |       |       |       |       | 4.0          | 5.0   |
| W                      | .4                   | 7.1  | 3.1  |       |       |       |       |       |       |       |       | 10.6         | 6.0   |
| WNW                    | .4                   | 7.3  | 3.4  | .3    |       |       |       |       |       |       |       | 11.5         | 6.2   |
| NW                     | .2                   | 4.1  | 4.0  | 1.4   |       |       |       |       |       |       |       | 9.7          | 7.8   |
| NNW                    |                      | 2.2  | 1.4  | 1.2   |       |       |       |       |       |       |       | 4.9          | 8.2   |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |       |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |       | 7.8          | ////  |
| TOTALS                 | 1.9                  | 29.9 | 27.1 | 25.4  | 7.2   | .8    |       |       |       |       |       | 100.0        | 9.0   |

TOTAL NUMBER OF OBSERVATIONS: 903

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |      |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 |            |              |      |
| N                      |                      | .4   | 1.3  | 1.9   | .3    |       |       |       |       |       |            | 4.0          | 11.7 |
| NNE                    |                      | .2   | 4.0  | 10.1  | 3.8   | .5    |       |       |       |       |            | 18.7         | 14.1 |
| NE                     |                      | .3   | 2.2  | 5.9   | 2.0   | .1    |       |       |       |       |            | 10.5         | 14.0 |
| ENE                    |                      |      | .9   | 2.0   | .3    |       |       |       |       |       |            | 3.2          | 12.8 |
| E                      |                      | .1   | 1.3  | 1.4   | .5    |       |       |       |       |       |            | 3.4          | 12.5 |
| ESE                    |                      |      | .5   |       |       |       |       |       |       |       |            | .5           | 9.2  |
| SE                     |                      |      |      |       |       |       |       |       |       |       |            |              |      |
| SSE                    |                      |      | .1   |       | .1    |       |       |       |       |       |            | .2           | 12.5 |
| S                      |                      | .3   | .4   | .1    | .1    |       |       |       |       |       |            | 1.0          | 8.7  |
| SSW                    | .3                   | 1.1  | 3.5  | 1.0   |       |       |       |       |       |       |            | 5.9          | 8.9  |
| SW                     |                      | 2.7  | 5.9  | .9    |       |       |       |       |       |       |            | 9.6          | 8.0  |
| WSW                    |                      | 7.0  | 6.3  | .2    |       |       |       |       |       |       |            | 13.5         | 7.1  |
| W                      |                      | 6.2  | 10.2 | .8    |       |       |       |       |       |       |            | 17.1         | 7.7  |
| WNW                    | .7                   | 1.9  | 4.0  | .9    |       |       |       |       |       |       |            | 7.0          | 8.1  |
| NW                     |                      | .8   | 1.4  | .9    |       |       |       |       |       |       |            | 3.1          | 9.2  |
| NNW                    |                      | .2   | .4   | .5    |       |       |       |       |       |       |            | 1.2          | 10.2 |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |      |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 1.0          | //// |
| TOTALS                 | .7                   | 21.3 | 42.5 | 26.6  | 7.3   | .7    |       |       |       |       |            | 100.0        | 10.1 |

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: 167163 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 |            |              |
| N                      |                                      | .1   | .7   | 1.4   | .2    |       |       | 2.4        | 12.6         |
| NNE                    |                                      | .1   | 2.7  | 6.0   | 3.0   | .2    |       | 12.0       | 14.2         |
| NE                     |                                      | .1   | 2.0  | 7.3   | 3.2   | .1    |       | 12.7       | 14.5         |
| ENE                    | .1                                   | .8   | 2.0  | 3.7   | .9    |       |       | 7.4        | 12.3         |
| E                      |                                      | .1   | 3.2  | 7.2   | 1.8   | .2    |       | 12.5       | 13.4         |
| ESE                    |                                      | .1   | 1.0  | 1.0   | .1    |       |       | 2.2        | 11.3         |
| SE                     |                                      | .3   | .1   | .1    |       |       |       | .5         | 7.0          |
| SSE                    |                                      | .1   | .4   | .2    |       |       |       | .8         | 9.0          |
| S                      |                                      | .7   | 2.2  | 1.5   | .1    |       |       | 4.5        | 10.0         |
| SSW                    | .1                                   | 1.3  | 11.7 | 5.5   | .1    |       |       | 18.7       | 10.1         |
| SW                     |                                      | 2.0  | 5.0  | 3.1   | .1    |       |       | 10.2       | 9.6          |
| WSW                    | .1                                   | 3.8  | 2.5  | .1    |       |       |       | 6.6        | 6.7          |
| W                      |                                      | 2.1  | 1.4  | .1    |       |       |       | 3.6        | 6.9          |
| WNW                    |                                      | .7   | .8   | .2    |       |       |       | 1.6        | 7.9          |
| NW                     |                                      | .2   | .5   | .3    | .1    |       |       | 1.2        | 10.3         |
| NNW                    |                                      | .2   | .1   | .2    |       |       |       | .5         | 10.2         |
| VARIABLE               |                                      | .1   | .1   |       |       |       |       | .2         | 7.0          |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       | 2.2        | ////         |
| TOTALS                 | .2                                   | 12.8 | 36.5 | 38.1  | 9.5   | .5    |       | 100.0      | 11.1         |

TOTAL NUMBER OF OBSERVATIONS: 913

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GLOBAL CLIMATOLOGY BRANCH  
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 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIXON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: AUG HOURS(LST): 1800-2400

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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   | .8   | 1.0   | .1    |       |       |       |       |       |            | 2.2          | 10.9  |
| NNE                    | .1                                   | .2   | 2.3  | 9.2   | 1.2   | .1    |       |       |       |       |            | 13.2         | 13.2  |
| NE                     |                                      | .8   | 2.4  | 7.5   | .6    | .2    |       |       |       |       |            | 11.4         | 12.5  |
| ENE                    | .1                                   | 1.9  | 5.4  | 6.0   | .8    |       |       |       |       |       |            | 14.1         | 11.0  |
| E                      | .1                                   | .7   | 5.8  | 10.5  | 1.6   | .1    |       |       |       |       |            | 18.7         | 12.4  |
| ESE                    |                                      | .7   | 1.0  | .2    |       |       |       |       |       |       |            | 1.9          | 8.0   |
| SE                     |                                      | .1   | .3   |       |       |       |       |       |       |       |            | .4           | 7.0   |
| SSE                    |                                      | 1.6  | .3   | .1    |       |       |       |       |       |       |            | 2.0          | 5.6   |
| S                      | .4                                   | 5.8  | 7.0  | 1.0   | .1    |       |       |       |       |       |            | 14.3         | 7.6   |
| SSW                    | .1                                   | 2.5  | 5.9  | 1.2   |       |       |       |       |       |       |            | 9.7          | 8.4   |
| SW                     |                                      | .9   | 1.7  | .3    |       |       |       |       |       |       |            | 2.9          | 8.4   |
| WSW                    |                                      | .9   | .4   |       |       |       |       |       |       |       |            | 1.3          | 6.7   |
| W                      | .1                                   | .3   |      |       |       |       |       |       |       |       |            | .4           | 3.8   |
| WNW                    | .1                                   | .2   | .1   |       |       |       |       |       |       |       |            | .4           | 5.3   |
| NW                     |                                      | .2   |      | .2    |       |       |       |       |       |       |            | .4           | 8.5   |
| NNW                    |                                      | .3   | .7   | .7    |       | .1    |       |       |       |       |            | 1.8          | 11.1  |
| VARIABLE               | .....                                |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |       |            | 4.8          | ////  |
| TOTALS                 | 1.1                                  | 17.3 | 34.1 | 38.0  | 4.3   | .4    |       |       |       |       |            | 100.0        | 10.1  |

TOTAL NUMBER OF OBSERVATIONS: 943

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GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                   | 6.8  | 5.3  | 2.2   | .3    |       |       |       |       |       |            | 14.9         | 7.8   |
| NNE                    | .2                   | 3.4  | 5.4  | 5.4   | .8    |       |       |       |       |       |            | 15.1         | 10.0  |
| NE                     | .2                   | 2.1  | 1.5  | 1.6   | .1    |       |       |       |       |       |            | 5.6          | 8.9   |
| ENE                    | .2                   | 2.5  | 2.5  | 2.1   | .1    |       |       |       |       |       |            | 7.5          | 8.6   |
| E                      | .3                   | 1.5  | 2.3  | 2.1   | .1    | .1    |       |       |       |       |            | 6.5          | 9.5   |
| ESE                    |                      | .2   | .3   |       |       |       |       |       |       |       |            | .5           | 7.0   |
| SE                     | .2                   | .1   | .1   |       |       |       |       |       |       |       |            | .4           | 4.3   |
| SSE                    | .7                   | 1.9  |      |       |       |       |       |       |       |       |            | 2.5          | 3.9   |
| S                      | .8                   | 4.6  | 1.1  | .1    |       |       |       |       |       |       |            | 6.6          | 5.5   |
| SSW                    | .1                   | 1.5  | .1   | .1    |       |       |       |       |       |       |            | 1.9          | 5.5   |
| SW                     |                      | .7   |      |       |       |       |       |       |       |       |            | .7           | 4.8   |
| WSW                    |                      | .2   | .2   |       |       |       |       |       |       |       |            | .4           | 7.0   |
| W                      |                      | .1   | .1   | .1    |       |       |       |       |       |       |            | .3           | 9.3   |
| WNW                    |                      | .1   | .1   |       |       |       |       |       |       |       |            | .2           | 7.0   |
| NW                     |                      | .7   | .5   | .3    |       |       |       |       |       |       |            | 1.5          | 8.1   |
| NNW                    | .2                   | 1.5  | 1.0  | 1.8   | .4    | .1    |       |       |       |       |            | 5.0          | 10.3  |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 30.3         | ////  |
| TOTALS                 | 3.3                  | 28.0 | 20.6 | 15.8  | 1.9   | .2    |       |       |       |       |            | 100.0        | 5.8   |

TOTAL NUMBER OF OBSERVATIONS: 912



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167167 STATION NAME: PELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 |            |              |
| N                      | .3                   | 5.0  | 4.8  | 2.6   | .3    | .0    |       | 12.9       | 8.4          |
| NNE                    | .2                   | 2.2  | 4.3  | 7.1   | 2.1   | .2    |       | 16.0       | 12.0         |
| NE                     | .1                   | .9   | 1.6  | 3.8   | 1.0   | .1    |       | 7.5        | 12.5         |
| ENE                    | .2                   | 1.0  | 1.8  | 2.0   | .3    | .0    | .0    | 5.4        | 10.3         |
| E                      | .2                   | .6   | 1.7  | 2.8   | .5    | .1    |       | 5.9        | 11.7         |
| ESE                    |                      | .2   | .4   | .2    | .0    |       |       | .7         | 8.8          |
| SE                     | .0                   | .1   | .1   | .0    |       |       |       | .2         | 6.2          |
| SSE                    | .1                   | .5   | .1   | .0    | .0    |       |       | .8         | 5.5          |
| S                      | .2                   | 1.5  | 1.4  | .4    | .0    |       |       | 3.5        | 7.5          |
| SSW                    | .1                   | .9   | 2.7  | 1.0   | .0    |       |       | 4.7        | 9.1          |
| SW                     | .0                   | 1.0  | 1.6  | .6    | .0    |       |       | 3.2        | 8.3          |
| WSW                    | .1                   | 1.9  | 1.2  | .0    |       |       |       | 3.3        | 6.6          |
| W                      | .1                   | 2.0  | 1.9  | .1    |       |       |       | 4.1        | 7.0          |
| WNW                    | .1                   | 1.4  | 1.1  | .2    |       |       |       | 2.7        | 6.9          |
| NW                     | .1                   | 1.0  | 1.0  | .5    | .0    |       |       | 2.6        | 8.2          |
| NNW                    | .2                   | 1.6  | 1.3  | .9    | .1    | .0    |       | 4.1        | 8.5          |
| VARIABLE               |                      | .0   | .0   |       |       |       |       | .0         | 7.0          |
| CALM                   | //////////////////// |      |      |       |       |       |       | 22.2       | ////         |
| TOTALS                 | 1.9                  | 21.9 | 27.0 | 22.2  | 4.5   | .4    | .0    | 100.0      | 7.5          |

TOTAL NUMBER OF OBSERVATIONS: 7243

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                   | 6.5  | 5.3  | 2.2   | .3    |       |       |       |       |       |            | 14.9         | 7.8   |
| NNE                    | .2                   | 3.4  | 5.4  | 5.4   | .8    |       |       |       |       |       |            | 15.1         | 10.0  |
| NE                     | .2                   | 2.1  | 1.5  | 1.6   | .1    |       |       |       |       |       |            | 5.6          | 8.9   |
| ENE                    | .2                   | 2.5  | 2.5  | 2.1   | .1    |       |       |       |       |       |            | 7.5          | 8.6   |
| E                      | .3                   | 1.5  | 2.3  | 2.1   | .1    | .1    |       |       |       |       |            | 6.5          | 9.5   |
| ESE                    |                      | .2   | .3   |       |       |       |       |       |       |       |            | .5           | 7.0   |
| SE                     | .2                   | .1   | .1   |       |       |       |       |       |       |       |            | .4           | 4.3   |
| SSE                    | .7                   | 1.9  |      |       |       |       |       |       |       |       |            | 2.5          | 3.9   |
| S                      | .8                   | 4.6  | 1.1  | .1    |       |       |       |       |       |       |            | 6.6          | 5.5   |
| SSW                    | .1                   | 1.5  | .1   | .1    |       |       |       |       |       |       |            | 1.9          | 5.5   |
| SW                     |                      | .7   |      |       |       |       |       |       |       |       |            | .7           | 4.8   |
| WSW                    |                      | .2   | .2   |       |       |       |       |       |       |       |            | .4           | 7.0   |
| W                      |                      | .1   | .1   | .1    |       |       |       |       |       |       |            | .3           | 9.3   |
| WNW                    |                      | .1   | .1   |       |       |       |       |       |       |       |            | .2           | 7.0   |
| NW                     |                      | .7   | .5   | .3    |       |       |       |       |       |       |            | 1.5          | 8.1   |
| NNW                    | .2                   | 1.5  | 1.0  | 1.8   | .4    | .1    |       |       |       |       |            | 5.0          | 10.3  |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 30.3         | ////  |
| TOTALS                 | 3.3                  | 28.0 | 20.6 | 15.8  | 1.9   | .2    |       |       |       |       |            | 100.0        | 5.8   |

TOTAL NUMBER OF OBSERVATIONS: 912

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: SEP HOURS (LST): 0000-0100

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                   | 12.9 | 7.0  | 2.4   | .1    |       |       |       |       |       |            | 22.7         | 7.1   |
| NNE                    | .2                   | 4.7  | 3.3  | 3.3   | .6    |       |       |       |       |       |            | 12.2         | 5.3   |
| NE                     |                      | 1.4  | .2   | .8    | .1    |       |       |       |       |       |            | 2.5          | 8.7   |
| ENE                    | .1                   | .8   | .7   | .5    |       | .1    |       |       |       |       |            | 2.2          | 8.7   |
| E                      | .5                   | 1.2  | .3   | .3    | .1    |       |       |       |       |       |            | 2.4          | 6.5   |
| ESE                    |                      | .1   |      |       |       |       |       |       |       |       |            | .1           | 4.0   |
| SE                     | .2                   | .3   |      |       |       |       |       |       |       |       |            | .6           | 3.6   |
| SSE                    |                      | .2   |      |       |       |       |       |       |       |       |            | .2           | 4.5   |
| S                      |                      | .2   | .3   | .1    |       |       |       |       |       |       |            | .7           | 8.3   |
| SSW                    |                      | .2   |      |       |       |       |       |       |       |       |            | .2           | 5.0   |
| SW                     |                      |      | .3   |       |       |       |       |       |       |       |            | .3           | 8.7   |
| WSW                    |                      |      |      | .1    |       |       |       |       |       |       |            | .1           | 12.0  |
| W                      |                      |      |      | .1    |       |       |       |       |       |       |            | .1           | 12.0  |
| WNW                    |                      | .2   |      |       |       |       |       |       |       |       |            | .2           | 4.0   |
| NW                     |                      | .6   | .2   | .3    |       |       |       |       |       |       |            | 1.2          | 8.2   |
| NNW                    | .1                   | 2.9  | 1.5  | 1.2   | .1    |       |       |       |       |       |            | 5.8          | 8.0   |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 48.4         | ////  |
| TOTALS                 | 1.4                  | 25.8 | 14.1 | 9.2   | 1.0   | .1    |       |       |       |       |            | 100.0        | 4.0   |

TOTAL NUMBER OF OBSERVATIONS: 868

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: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                   | 13.8 | 8.1  | 1.8   | .2    |       |       |       |       |       |            | 24.9         | 6.8   |
| NNE                    | .3                   | 4.5  | 3.3  | 3.2   | .8    |       |       |       |       |       |            | 12.2         | 9.1   |
| NE                     | .3                   | 2.4  | .9   | .7    |       |       |       |       |       |       |            | 4.4          | 6.8   |
| ENE                    | .5                   | .8   | .3   | .3    | .1    |       |       |       |       |       |            | 2.1          | 6.9   |
| E                      | .3                   | .6   | .8   | .1    |       |       |       |       |       |       |            | 1.8          | 6.3   |
| ESE                    | .1                   |      | .1   | .1    |       |       |       |       |       |       |            | .3           | 7.7   |
| SE                     |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| SSE                    |                      | .3   |      |       |       |       |       |       |       |       |            | .3           | 4.3   |
| S                      | .1                   | .1   | .1   | .1    |       |       |       |       |       |       |            | .5           | 7.8   |
| SSW                    |                      | .1   |      |       |       |       |       |       |       |       |            | .1           | 5.0   |
| SW                     |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| WSW                    |                      |      | .3   |       |       |       |       |       |       |       |            | .3           | 9.0   |
| W                      |                      | .6   | .2   | .1    |       |       |       |       |       |       |            | .8           | 6.9   |
| WNW                    |                      | .3   |      |       |       |       |       |       |       |       |            | .3           | 4.7   |
| NW                     |                      | .3   | .1   | .3    |       |       |       |       |       |       |            | .8           | 9.6   |
| NNW                    |                      | 2.4  | 1.0  | .5    | .1    |       |       |       |       |       |            | 4.0          | 7.2   |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 47.0         | ////  |
| TOTALS                 | 2.6                  | 26.3 | 15.4 | 7.4   | 1.3   |       |       |       |       |       |            | 100.0        | 3.9   |

TOTAL NUMBER OF OBSERVATIONS: 868

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: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |       |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
|                        | 1-3                                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 |            |              | GE 56 |
| N                      | .6                                   | 12.0 | 8.7  | 2.8   | .2    |       |       |       |       |       |            | 24.3         | 7.4   |
| NNE                    | .1                                   | 4.6  | 4.3  | 3.8   | .7    |       |       |       |       |       |            | 13.5         | 9.4   |
| NE                     | .6                                   | 1.4  | .8   | 1.0   | .3    |       |       |       |       |       |            | 4.2          | 8.6   |
| ENE                    | .2                                   | .8   | 1.0  | .3    |       |       |       |       |       |       |            | 2.4          | 7.2   |
| E                      | .3                                   | .3   | .3   | .1    |       |       |       |       |       |       |            | 1.2          | 6.3   |
| ESE                    | .1                                   |      | .2   |       |       |       |       |       |       |       |            | .3           | 7.7   |
| SE                     |                                      | .5   | .1   |       |       |       |       |       |       |       |            | .6           | 5.4   |
| SSE                    |                                      | .2   | .1   |       |       |       |       |       |       |       |            | .3           | 5.7   |
| S                      |                                      | .2   | .1   | .1    |       |       |       |       |       |       |            | .5           | 8.3   |
| SSW                    |                                      | .2   |      |       |       |       |       |       |       |       |            | .2           | 4.0   |
| SW                     |                                      |      |      |       |       |       |       |       |       |       |            |              |       |
| WSW                    |                                      | .1   | .1   |       |       |       |       |       |       |       |            | .2           | 7.0   |
| W                      |                                      | .1   | .2   |       |       |       |       |       |       |       |            | .3           | 7.3   |
| WNW                    |                                      | .1   | .1   |       |       |       |       |       |       |       |            | .2           | 6.0   |
| NW                     |                                      | .7   | .2   | .1    |       |       |       |       |       |       |            | 1.0          | 6.6   |
| NNW                    | .2                                   | 2.7  | 1.2  | 1.0   | .1    | .3    |       |       |       |       |            | 5.6          | 8.6   |
| VARIABLE               | //////////////////////////////////// |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |       |            | 45.0         | ////  |
| TOTALS                 | 2.2                                  | 24.1 | 17.6 | 9.4   | 1.4   | .3    |       |       |       |       |            | 100.0        | 4.4   |

TOTAL NUMBER OF OBSERVATIONS: 964

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>(%) | MEAN<br>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                   | 2.4  | 6.1  | 4.7   | 1.5   |       |       |       |       |       |              | 14.8         | 10.7  |
| NNE                    |                      | 2.5  | 5.2  | 10.0  | 2.6   | .1    |       |       |       |       |              | 20.4         | 12.4  |
| NE                     | .1                   | .7   | 1.2  | 4.4   | .5    |       |       |       |       |       |              | 6.9          | 12.2  |
| ENE                    |                      | .3   | .6   | .7    |       |       |       |       |       |       |              | 1.6          | 10.6  |
| E                      |                      | .3   | .3   | .3    |       |       |       |       |       |       |              | 1.0          | 9.9   |
| ESE                    |                      | .1   | .1   |       |       |       |       |       |       |       |              | .2           | 6.0   |
| SE                     |                      | .1   |      |       |       |       |       |       |       |       |              | .1           | 5.0   |
| SSE                    |                      | .2   | .1   |       |       |       |       |       |       |       |              | .3           | 6.7   |
| S                      |                      |      | .5   | .5    |       |       |       |       |       |       |              | .9           | 11.4  |
| SSW                    | .2                   | .3   | .5   | .1    | .1    | .1    |       |       |       |       |              | 1.4          | 8.9   |
| SW                     |                      | 1.4  | .3   |       |       |       |       |       |       |       |              | 1.7          | 5.6   |
| WSW                    | .5                   | 3.7  | .5   |       |       |       |       |       |       |       |              | 4.7          | 5.1   |
| W                      | .6                   | 7.8  | .6   |       |       |       |       |       |       |       |              | 9.0          | 5.0   |
| WNW                    | .7                   | 4.5  | 2.0  |       |       |       |       |       |       |       |              | 7.3          | 5.6   |
| NW                     | .6                   | 4.5  | 2.6  | .3    | .1    | .1    |       |       |       |       |              | 8.3          | 6.9   |
| NNW                    | .1                   | 3.0  | 3.5  | .7    | .2    | .1    |       |       |       |       |              | 7.6          | 6.0   |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |              |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |              | 17.5         |       |
| TOTALS                 | 2.8                  | 72.0 | 24.2 | 21.7  | 5.0   | .5    |       |       |       |       |              | 100.0        |       |

TOTAL NUMBER OF OBSERVATIONS: 981

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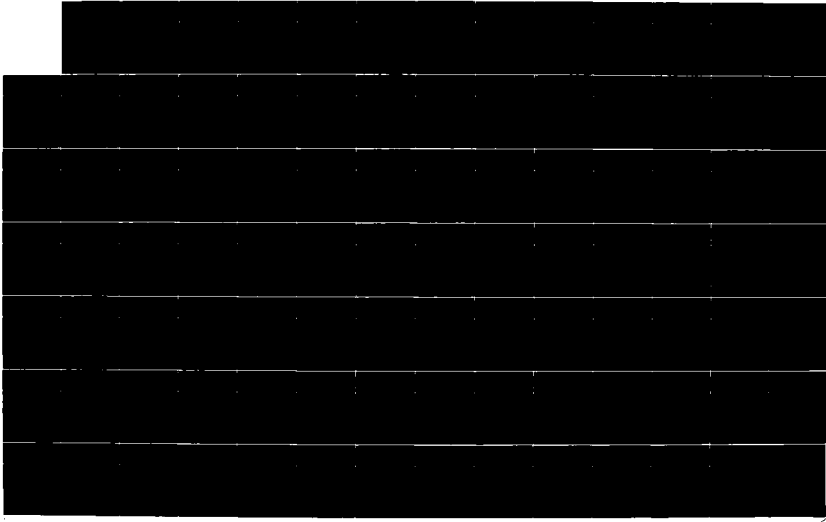
HELLENIKON ABS ATHENS GREECE LIMITED SURFACE  
OBSERVATIONS CLIMATIC SURFACE (U) AIR FORCE  
ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER  
MAR 88 USAFETA/DS-88/814

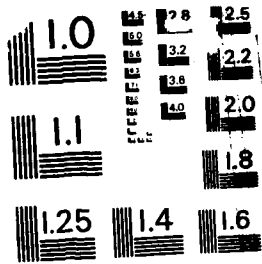
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GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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   | 1.6  | 2.8   | .8    |       |       |       |       |       |       | 6.5        | 11.6         |
| NNE                    | .1                   | .1   | 3.7  | 10.3  | 2.5   | .2    |       |       |       |       |       | 16.9       | 13.7         |
| NE                     |                      | .1   | 1.9  | 5.9   | 1.7   | .1    |       |       |       |       |       | 9.7        | 13.5         |
| ENE                    |                      |      | .9   | 1.4   | .2    |       |       |       |       |       |       | 2.5        | 12.8         |
| E                      |                      | .5   | .6   | 1.1   | .3    |       |       |       |       |       |       | 2.5        | 11.7         |
| ESE                    |                      |      | .1   | .5    |       |       |       |       |       |       |       | .6         | 13.2         |
| SE                     |                      |      | .1   |       |       |       |       |       |       |       |       | .1         | 10.0         |
| SSE                    |                      | .1   | .2   |       |       |       |       |       |       |       |       | .3         | 6.7          |
| S                      |                      | .2   | .5   | .5    |       |       |       |       |       |       |       | 1.1        | 9.9          |
| SSW                    |                      | 1.5  | 2.5  | .6    | .2    |       |       |       |       |       |       | 4.7        | 8.6          |
| SW                     |                      | 3.4  | 4.1  | .3    |       |       |       |       |       |       |       | 7.8        | 7.6          |
| WSW                    | .2                   | 9.8  | 6.1  | .1    |       |       |       |       |       |       |       | 16.2       | 6.5          |
| W                      | .3                   | 8.7  | 6.2  | .2    |       |       |       |       |       |       |       | 15.4       | 6.5          |
| WNW                    | .1                   | 2.7  | 3.9  | .6    |       |       |       |       |       |       |       | 7.3        | 7.7          |
| NW                     |                      | .6   | 1.8  | 1.5   |       |       |       |       |       |       |       | 3.8        | 10.2         |
| NNW                    |                      | .6   | 1.0  | .9    | .3    | .1    | .1    |       |       |       |       | 3.0        | 12.3         |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |       | 1.9        | ////         |
| TOTALS                 | .8                   | 29.0 | 35.2 | 26.5  | 6.1   | .5    | .1    |       |       |       |       | 100.0      | 9.5          |

TOTAL NUMBER OF OBSERVATIONS: 887

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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   | 1.1  | 1.2   | .1    |       |       |       |       |       |            | 2.7          | 11.5  |
| NNE                    |                      | .2   | 2.4  | 10.0  | 1.2   | .3    |       |       |       |       |            | 14.2         | 13.5  |
| NE                     |                      | .2   | 1.8  | 5.2   | .8    |       |       |       |       |       |            | 8.0          | 13.3  |
| ENE                    |                      | .2   | 2.3  | 4.1   | .3    |       |       |       |       |       |            | 6.9          | 12.3  |
| E                      |                      | .5   | 3.5  | 7.1   | 1.0   |       |       |       |       |       |            | 12.1         | 12.6  |
| ESE                    |                      | .6   | 1.5  | .3    |       |       |       |       |       |       |            | 2.4          | 8.4   |
| SE                     |                      |      | .6   |       |       |       |       |       |       |       |            | .6           | 8.6   |
| SSE                    |                      | .2   | .6   |       |       |       |       |       |       |       |            | .8           | 8.4   |
| S                      |                      | .6   | 2.3  | 1.6   | .2    |       |       |       |       |       |            | 4.6          | 10.6  |
| SSW                    | .1                   | 3.5  | 11.6 | 3.1   | .1    |       |       |       |       |       |            | 18.4         | 9.2   |
| SW                     | .1                   | 3.1  | 7.0  | .9    |       |       |       |       |       |       |            | 11.1         | 8.2   |
| WSW                    | .2                   | 3.6  | 1.9  | .1    |       |       |       |       |       |       |            | 5.9          | 6.0   |
| W                      |                      | 3.3  | 1.5  | .1    |       |       |       |       |       |       |            | 4.9          | 6.3   |
| WNW                    |                      | 1.1  |      | .1    | .2    |       |       |       |       |       |            | 1.5          | 7.7   |
| NW                     |                      | .1   | .3   | .5    |       |       |       |       |       |       |            | .9           | 11.5  |
| NNW                    |                      | .5   | .2   | .3    | .7    | .2    | .1    |       |       |       |            | 2.0          | 14.4  |
| VARIABLE               |                      | .3   |      |       |       |       |       |       |       |       |            | .3           | 5.0   |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 2.6          | ////  |
| TOTALS                 | .5                   | 18.3 | 38.5 | 34.7  | 4.8   | .6    | .1    |       |       |       |            | 100.0        | 10.3  |

TOTAL NUMBER OF OBSERVATIONS: 882

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: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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   | 1.7  | 2.1   | .1    |       |       |       |       |       |       | 4.6        | 10.5         |
| NNE                    |                      | 1.5  | 4.1  | 5.7   | .7    |       |       |       |       |       |       | 12.0       | 11.4         |
| NE                     | .1                   | 1.7  | 3.0  | 4.2   | .1    |       |       |       |       |       |       | 9.1        | 10.4         |
| ENE                    | .2                   | 3.0  | 6.6  | 5.6   | .5    |       |       |       |       |       |       | 15.9       | 9.9          |
| E                      |                      | 1.4  | 7.1  | 7.7   | 1.0   |       |       |       |       |       |       | 17.1       | 11.2         |
| ESE                    | .1                   | .5   | .5   |       |       |       |       |       |       |       |       | 1.0        | 6.1          |
| SE                     |                      | .5   | .2   | .1    |       |       |       |       |       |       |       | .8         | 7.6          |
| SSE                    |                      | 3.1  | .6   | .1    |       |       |       |       |       |       |       | 3.8        | 5.7          |
| S                      | .5                   | 6.9  | 4.5  | .3    |       |       |       |       |       |       |       | 12.1       | 6.5          |
| SSW                    | .1                   | 2.2  | 4.6  | .1    |       |       |       |       |       |       |       | 7.0        | 7.5          |
| SW                     |                      | 1.6  | .3   |       |       |       |       |       |       |       |       | 1.9        | 5.7          |
| WSW                    | .1                   | .2   |      |       |       |       |       |       |       |       |       | .3         | 3.7          |
| W                      | .1                   | .7   |      |       |       |       |       |       |       |       |       | .8         | 4.1          |
| WNW                    |                      | .2   |      | .1    |       |       |       |       |       |       |       | .3         | 8.0          |
| NW                     |                      | .7   | .1   |       | .2    |       |       |       |       |       |       | 1.0        | 8.0          |
| NNW                    | .2                   | .6   | .2   | .6    | .5    |       |       |       |       |       |       | 2.1        | 10.7         |
| VARIABLE               |                      | .1   |      |       |       |       |       |       |       |       |       | .1         | 4.0          |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |       | 9.9        | ////         |
| TOTALS                 | 1.5                  | 25.4 | 33.5 | 26.6  | 3.1   |       |       |       |       |       |       | 100.0      | 8.4          |

TOTAL NUMBER OF OBSERVATIONS: 875

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL | MEAN<br>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                   | 9.3  | 6.5  | 2.1   | .2    | .1    |       |       |       |       |       | 18.5         | 7.5   |
| NNE                    | .1                   | 3.7  | 5.1  | 2.6   | .2    | .1    |       |       |       |       |       | 11.9         | 9.1   |
| NE                     | .2                   | 1.5  | 1.7  | .8    |       |       |       |       |       |       |       | 4.2          | 8.3   |
| ENE                    | .6                   | 2.5  | 2.5  | 1.1   | .1    |       |       |       |       |       |       | 6.9          | 8.0   |
| E                      | .1                   | 2.2  | 1.9  | 1.1   | .3    |       |       |       |       |       |       | 5.7          | 8.6   |
| ESE                    | .2                   | .1   |      |       |       |       |       |       |       |       |       | .3           | 3.3   |
| SE                     | .2                   | .3   |      |       |       |       |       |       |       |       |       | .6           | 3.6   |
| SSE                    | .1                   | 1.5  | .2   |       |       |       |       |       |       |       |       | 1.8          | 4.6   |
| S                      | .2                   | 2.2  | .9   | .2    |       |       |       |       |       |       |       | 3.5          | 6.0   |
| SSW                    | .2                   | .3   | .2   | .2    |       |       |       |       |       |       |       | 1.0          | 7.1   |
| SW                     |                      | .1   | .1   |       |       |       |       |       |       |       |       | .2           | 6.0   |
| WSW                    |                      | .3   | .1   |       |       |       |       |       |       |       |       | .5           | 5.5   |
| W                      | .1                   | .1   |      |       | .1    |       |       |       |       |       |       | .3           | 9.0   |
| WNW                    |                      | .1   |      |       |       |       |       |       |       |       |       | .1           | 4.0   |
| NW                     | .1                   | .2   | .2   |       |       | .1    |       |       |       |       |       | .7           | 8.7   |
| NNW                    | .1                   | 1.5  | 1.1  | 1.3   | .3    |       |       |       |       |       |       | 4.3          | 9.5   |
| VARIABLE               | .....                |      |      |       |       |       |       |       |       |       |       |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |       | 39.2         | ////  |
| TOTALS                 | 2.7                  | 26.0 | 20.8 | 9.5   | 1.4   | .3    |       |       |       |       |       | 100.0        | 4.8   |

TOTAL NUMBER OF OBSERVATIONS: 874

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                   | 6.5  | 5.1  | 2.5   | .4    | .0    |       |       |       |       |            | 14.7         | 8.1   |
| NNE                    | .1                   | 2.7  | 3.9  | 6.1   | 1.2   | .1    |       |       |       |       |            | 14.2         | 11.2  |
| NE                     | .2                   | 1.2  | 1.5  | 2.9   | .4    | .0    |       |       |       |       |            | 6.2          | 11.0  |
| ENE                    | .2                   | 1.1  | 1.9  | 1.8   | .2    | .0    |       |       |       |       |            | 5.1          | 9.8   |
| E                      | .2                   | .9   | 1.9  | 2.3   | .4    |       |       |       |       |       |            | 5.5          | 10.7  |
| ESE                    | .1                   | .2   | .3   | .1    |       |       |       |       |       |       |            | .7           | 7.9   |
| SE                     | .1                   | .2   | .1   | .0    |       |       |       |       |       |       |            | .4           | 6.0   |
| SSE                    | .0                   | .7   | .2   | .0    |       |       |       |       |       |       |            | 1.0          | 5.7   |
| S                      | .1                   | 1.3  | 1.1  | .4    | .0    |       |       |       |       |       |            | 3.0          | 7.7   |
| SSW                    | .1                   | 1.1  | 2.4  | .5    | .1    | .0    |       |       |       |       |            | 4.2          | 8.6   |
| SW                     | .0                   | 1.2  | 1.5  | .2    |       |       |       |       |       |       |            | 2.9          | 7.6   |
| WSW                    | .1                   | 2.3  | 1.1  | .0    |       |       |       |       |       |       |            | 3.6          | 6.2   |
| W                      | .1                   | 2.7  | 1.1  | .1    | .0    |       |       |       |       |       |            | 4.0          | 6.1   |
| WNW                    | .1                   | 1.2  | .8   | .1    | .0    |       |       |       |       |       |            | 2.2          | 6.7   |
| NW                     | .1                   | 1.0  | .7   | .4    | .0    | .0    |       |       |       |       |            | 2.2          | 8.2   |
| NNW                    | .1                   | 1.7  | 1.2  | .8    | .3    | .1    | .0    |       |       |       |            | 4.3          | 9.2   |
| VARIABLE               |                      | .1   |      |       |       |       |       |       |       |       |            | .1           | 4.8   |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 25.8       | ////         |       |
| TOTALS                 | 1.8                  | 25.8 | 25.0 | 18.2  | 3.0   | .3    | .0    |       |       |       |            | 100.0        | 6.7   |

TOTAL NUMBER OF OBSERVATIONS: 6999

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                   | 7.0  | 6.4  | 1.9   | .1    |       |       |       |       |       |            | 16.1         | 7.7   |
| NNE                    | .4                   | 4.1  | 4.8  | 4.4   | .8    | .1    |       |       |       |       |            | 14.6         | 9.7   |
| NE                     | .4                   | 2.3  | .9   | 1.7   | .4    | .1    |       |       |       |       |            | 5.8          | 9.5   |
| ENE                    | .3                   | 3.4  | 2.1  | 1.3   | .8    | .2    |       |       |       |       |            | 8.1          | 8.7   |
| E                      | 1.0                  | 2.2  | .9   | .7    | .2    |       |       |       |       |       |            | 5.0          | 6.8   |
| ESE                    | .1                   | .2   | .2   |       |       |       |       |       |       |       |            | .6           | 5.6   |
| SE                     | .3                   | 1.1  | .3   | .2    | .1    |       |       |       |       |       |            | 2.1          | 6.6   |
| SSE                    | .2                   | .8   | .1   | .4    |       |       |       |       |       |       |            | 1.5          | 7.6   |
| S                      | .2                   | .2   | .4   | .2    |       |       |       |       |       |       |            | 1.1          | 7.9   |
| SSW                    |                      | .1   | .1   | .1    |       |       |       |       |       |       |            | .3           | 9.3   |
| SW                     |                      | .1   | .1   |       |       |       |       |       |       |       |            | .2           | 7.0   |
| WSW                    |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| W                      |                      | .1   |      |       |       |       |       |       |       |       |            | .1           | 6.0   |
| WNW                    |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| NW                     |                      | .2   |      |       |       |       |       |       |       |       |            | .2           | 4.0   |
| NNW                    | .1                   | 1.2  | 1.2  | .3    | .7    |       |       |       |       |       |            | 3.5          | 9.8   |
| VARIABLE               | .....                |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 40.7         | ////  |
| TOTALS                 | 3.9                  | 23.1 | 17.6 | 11.2  | 3.1   | .4    |       |       |       |       |            | 100.0        | 5.0   |

TOTAL NUMBER OF OBSERVATIONS: 909

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                                   | 7.3  | 6.6  | 3.1   | .2    | .1    |       |       |       |       |            | 18.0         | 7.9   |
| NNE                    | .5                                   | 5.3  | 2.9  | 5.5   | 1.0   | .3    |       |       |       |       |            | 15.5         | 10.0  |
| NE                     | .3                                   | 1.9  | 1.4  | 1.5   | 1.2   |       |       |       |       |       |            | 6.4          | 10.5  |
| ENE                    | .7                                   | 2.6  | 1.8  | 1.2   | .4    |       | .1    |       |       |       |            | 6.8          | 8.4   |
| E                      | .8                                   | 1.9  | .9   | .2    |       | .2    |       |       |       |       |            | 3.9          | 6.8   |
| ESE                    | .1                                   | .1   |      | .2    | .2    |       |       |       |       |       |            | .7           | 12.5  |
| SE                     | .3                                   | .8   | .1   |       | .1    |       |       |       |       |       |            | 1.3          | 5.7   |
| SSE                    | .2                                   | .8   | .4   | .1    | .1    |       |       |       |       |       |            | 1.6          | 7.0   |
| S                      |                                      | .4   | .5   | .2    |       |       |       |       |       |       |            | 1.2          | 8.2   |
| SSW                    |                                      | .1   | .1   |       |       |       |       |       |       |       |            | .2           | 8.0   |
| SW                     |                                      |      | .1   |       |       |       |       |       |       |       |            | .1           | 10.0  |
| WSW                    |                                      |      |      |       |       |       |       |       |       |       |            |              |       |
| W                      |                                      | .1   |      |       |       |       |       |       |       |       |            | .1           | 5.0   |
| WNW                    |                                      |      |      |       |       |       |       |       |       |       |            |              |       |
| NW                     |                                      | .2   | .4   |       |       |       |       |       |       |       |            | .7           | 7.8   |
| NNW                    |                                      | .4   | .9   | .3    | .5    |       |       |       |       |       |            | 2.2          | 10.9  |
| VARIABLE               | //////////////////////////////////// |      |      |       |       |       |       |       |       |       |            | 41.3         | ////  |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |       |            | 41.3         | ////  |
| TOTALS                 | 3.6                                  | 21.9 | 16.1 | 12.4  | 3.8   | .7    | .1    |       |       |       |            | 100.0        | 5.2   |

TOTAL NUMBER OF OBSERVATIONS: 912

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: PELLENIXON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                   | 7.4  | 6.2  | 4.0   | .2    | .2    |       |       |       |       |            | 18.6         | 8.3   |
| NNE                    | .7                   | 4.5  | 3.8  | 4.6   | .9    | .1    |       |       |       |       |            | 14.6         | 9.7   |
| NE                     | .2                   | 2.0  | 2.8  | 2.2   | 1.0   | .1    |       |       |       |       |            | 9.3          | 10.4  |
| ENE                    | .4                   | 1.8  | 1.6  | 2.0   | .3    | .1    |       |       |       |       |            | 6.2          | 9.6   |
| E                      | .3                   | 1.0  | .7   | .3    |       | .1    |       |       |       |       |            | 2.4          | 8.1   |
| ESE                    | .1                   | .3   | .1   |       |       |       |       |       |       |       |            | .5           | 4.8   |
| SE                     | .2                   | .4   | .2   | .1    |       |       |       |       |       |       |            | 1.0          | 6.6   |
| SSE                    | .2                   |      | .4   |       |       |       |       |       |       |       |            | .7           | 6.2   |
| S                      | .1                   | .4   | .1   | .3    |       |       |       |       |       |       |            | 1.0          | 8.2   |
| SSW                    |                      | .2   |      |       |       |       |       |       |       |       |            | .2           | 5.0   |
| SW                     |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| WSW                    |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| W                      |                      |      | .1   | .1    |       |       |       |       |       |       |            | .2           | 10.0  |
| WNN                    |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| NW                     |                      |      | .4   |       | .1    |       |       |       |       |       |            | .5           | 10.4  |
| NNW                    | .1                   | .5   | .8   | 1.0   | .1    |       |       |       |       |       |            | 2.5          | 10.0  |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 43.2         | ////  |
| TOTALS                 | 2.8                  | 18.6 | 17.4 | 14.7  | 2.6   | .7    |       |       |       |       |            | 100.0        | 5.2   |

TOTAL NUMBER OF OBSERVATIONS: 914



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       | TOTAL<br>% | MEAN<br>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  | 5.3  | 3.6   | .8    |       |       |       |            |              |       | 12.7  | 9.7   |
| NNE                    | .1                   | 1.7  | 5.0  | 10.2  | 2.9   | .3    | .1    |       |            |              |       | 20.5  | 12.9  |
| NE                     | .1                   | .8   | 2.3  | 3.1   | .7    | .2    | .1    |       |            |              |       | 7.2   | 12.4  |
| ENE                    | .2                   | .8   | 1.5  | 1.6   | .2    |       |       |       |            |              |       | 4.2   | 10.6  |
| E                      |                      | .2   | 1.0  | .8    | .3    | .2    |       |       |            |              |       | 2.5   | 12.5  |
| ESE                    |                      | .1   |      | .1    |       |       |       |       |            |              |       | .2    | 9.0   |
| SE                     |                      | .2   | .2   |       |       |       |       |       |            |              |       | .4    | 6.3   |
| SSE                    |                      | .5   | .7   | .5    |       |       |       |       |            |              |       | 1.7   | 9.5   |
| S                      |                      | 1.2  | .4   | .2    | .1    |       |       |       |            |              |       | 2.0   | 7.6   |
| SSW                    | .2                   | .9   | .3   | .2    |       |       |       |       |            |              |       | 1.6   | 6.7   |
| SW                     |                      | .9   | .1   |       |       |       |       |       |            |              |       | 1.0   | 5.1   |
| WSW                    | .2                   | 3.3  | .2   |       |       |       |       |       |            |              |       | 3.7   | 4.9   |
| W                      | .1                   | 3.1  | .2   |       |       |       |       |       |            |              |       | 3.4   | 5.0   |
| WNW                    | .1                   | 2.3  | .1   |       |       |       |       |       |            |              |       | 2.5   | 5.0   |
| NW                     | .1                   | 3.1  | .5   | .4    | .1    |       |       |       |            |              |       | 4.2   | 6.5   |
| NNW                    | .3                   | 3.6  | 1.0  | 1.9   | .3    |       |       |       |            |              |       | 7.1   | 8.1   |
| VARIABLE               |                      |      |      |       |       |       |       |       |            |              |       |       |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |            |              |       | 24.9  | ////  |
| TOTALS                 | 1.4                  | 25.6 | 19.0 | 22.7  | 5.4   | .8    | .2    |       |            |              |       | 100.0 | 7.4   |

TOTAL NUMBER OF OBSERVATIONS: 918

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 75-87  
 MONTH: OCT HOURS(LST): 1200-1400

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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  | 3.1  | 2.3   | .4    | .1    |       |       |       |       |            | 7.7          | 10.4  |
| NNE                    | .1                   | .7   | 4.2  | 9.4   | 3.9   | .2    |       |       |       |       |            | 18.4         | 13.6  |
| NE                     | .1                   | .6   | 2.5  | 3.5   | 1.1   | .3    | .1    |       |       |       |            | 8.3          | 13.2  |
| ENE                    |                      | .4   | 1.5  | 1.8   | .3    | .1    |       |       |       |       |            | 4.2          | 11.6  |
| E                      |                      | .3   | 1.4  | 1.4   | .1    | .1    | .1    |       |       |       |            | 3.5          | 11.9  |
| ESE                    |                      |      | .1   | .1    |       |       |       |       |       |       |            | .2           | 13.0  |
| SE                     |                      | .1   | .2   |       |       |       |       |       |       |       |            | .3           | 7.0   |
| SSE                    |                      |      | .3   | .2    | .2    |       |       |       |       |       |            | .8           | 13.7  |
| S                      |                      | 1.0  | 1.2  | 1.3   | .1    |       |       |       |       |       |            | 3.6          | 9.9   |
| SSW                    |                      | 3.1  | 2.3  | .7    |       |       |       |       |       |       |            | 6.1          | 7.6   |
| SW                     | .1                   | 3.7  | 3.0  |       |       |       |       |       |       |       |            | 6.8          | 6.4   |
| WSW                    |                      | 6.0  | 1.9  | .1    |       |       |       |       |       |       |            | 7.9          | 6.0   |
| W                      | .2                   | 8.2  | 2.6  |       |       |       |       |       |       |       |            | 11.0         | 5.9   |
| WNW                    | .4                   | 3.9  | 1.9  | .4    |       |       |       |       |       |       |            | 6.6          | 6.4   |
| NW                     |                      | 1.0  | 1.5  | 1.2   |       |       |       |       |       |       |            | 3.7          | 9.1   |
| NNW                    | .1                   | .8   | 1.2  | 2.3   | .4    |       |       |       |       |       |            | 4.9          | 11.4  |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 5.8          | ////  |
| TOTALS                 | 1.1                  | 31.4 | 29.1 | 24.8  | 6.6   | .9    | .2    |       |       |       |            | 100.0        | 9.2   |

TOTAL NUMBER OF OBSERVATIONS: 907

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: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       | TOTAL<br>% | MEAN<br>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  | 1.9  | 2.7   | .7    |       |       |       |            |              |       | 6.4   | 11.2  |
| NNE                    |                      | .2   | 3.5  | 8.5   | 2.4   | .3    |       |       |            |              |       | 15.1  | 13.7  |
| NE                     | .1                   | .6   | 2.4  | 4.3   | 1.8   |       |       |       |            |              |       | 9.2   | 12.9  |
| ENE                    | .1                   | 1.0  | 3.0  | 3.0   | .8    | .1    |       |       |            |              |       | 8.0   | 11.1  |
| E                      |                      | .8   | 4.0  | 4.2   | .3    |       |       |       |            |              |       | 9.3   | 11.2  |
| ESE                    |                      | .6   | .6   | .3    | .1    |       |       |       |            |              |       | 1.6   | 10.0  |
| SE                     | .2                   | .1   | .6   | .1    |       |       |       |       |            |              |       | 1.0   | 7.8   |
| SSE                    | .1                   | .4   | .8   | .4    |       |       |       |       |            |              |       | 1.8   | 9.2   |
| S                      | .2                   | 2.1  | 4.4  | 2.9   | .1    |       |       |       |            |              |       | 9.7   | 9.3   |
| SSW                    |                      | 5.4  | 6.9  | 1.3   | .1    |       |       |       |            |              |       | 13.7  | 8.1   |
| SW                     | .1                   | 2.5  | 2.7  |       |       |       |       |       |            |              |       | 5.3   | 6.7   |
| WSW                    | .1                   | 2.9  | .4   | .2    |       |       |       |       |            |              |       | 3.7   | 5.6   |
| W                      | .1                   | 2.3  | 1.1  |       |       |       |       |       |            |              |       | 3.5   | 6.1   |
| WNW                    | .2                   | 1.0  | .1   |       |       |       |       |       |            |              |       | 1.3   | 4.9   |
| NW                     | .1                   | .6   | .9   | .3    |       |       |       |       |            |              |       | 1.9   | 8.4   |
| NNW                    |                      | .6   | .4   | 1.6   | .2    |       |       |       |            |              |       | 2.8   | 11.8  |
| VARIABLE               |                      |      |      |       |       |       |       |       |            |              |       |       |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |            |              |       | 5.8   | ////  |
| TOTALS                 | 1.6                  | 22.1 | 33.7 | 29.9  | 6.5   | .4    |       |       |            |              |       | 100.0 | 9.6   |

TOTAL NUMBER OF OBSERVATIONS: 903

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                                   | 2.2  | 4.7  | 2.0   | .3    |       |       |       |       |       |            | 9.6          | 9.2   |
| NNE                    |                                      | 1.6  | 3.0  | 7.6   | 1.4   | .2    |       |       |       |       |            | 13.8         | 12.2  |
| NE                     | .2                                   | 1.9  | 3.5  | 2.7   | .5    |       |       |       |       |       |            | 8.9          | 10.2  |
| ENE                    | .1                                   | 3.3  | 6.0  | 6.2   | .1    |       |       |       |       |       |            | 15.7         | 10.1  |
| E                      | .1                                   | 1.8  | 4.9  | 3.8   | .7    |       |       |       |       |       |            | 11.3         | 10.5  |
| ESE                    | .2                                   | .2   | .4   | .2    | .1    |       |       |       |       |       |            | 1.2          | 8.5   |
| SE                     | .1                                   | 1.8  | .3   | .3    |       |       |       |       |       |       |            | 2.5          | 6.2   |
| SSE                    | .9                                   | 3.1  | 1.4  | .2    |       |       |       |       |       |       |            | 5.6          | 5.8   |
| S                      | .5                                   | 5.2  | 3.5  | .4    |       |       |       |       |       |       |            | 9.7          | 6.4   |
| SSW                    | .2                                   | 2.0  | .4   | .5    |       |       |       |       |       |       |            | 3.2          | 6.8   |
| SW                     | .1                                   | .3   |      | .1    |       |       |       |       |       |       |            | .5           | 6.6   |
| WSW                    |                                      | .2   |      |       |       |       |       |       |       |       |            | .2           | 5.0   |
| W                      |                                      |      |      |       |       |       |       |       |       |       |            |              |       |
| WNW                    |                                      | .1   |      | .1    |       |       |       |       |       |       |            | .2           | 9.0   |
| NW                     |                                      | .1   | .1   | .2    |       |       |       |       |       |       |            | .4           | 9.8   |
| NNW                    |                                      | .2   | 1.2  | .8    |       |       |       |       |       |       |            | 2.2          | 10.6  |
| VARIABLE               | //////////////////////////////////// |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |       |            | 14.8         | ////  |
| TOTALS                 | 2.9                                  | 24.0 | 29.7 | 25.3  | 3.2   | .2    |       |       |       |       |            | 100.0        | 8.0   |

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: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                   | 5.9  | 5.2  | 2.3   | .1    |       |       |       |       |       |            | 13.7         | 7.9   |
| NNE                    | .7                   | 3.5  | 4.7  | 4.3   | 1.1   | .2    |       |       |       |       |            | 14.4         | 10.1  |
| NE                     | .1                   | 2.7  | 1.7  | 2.3   | .4    |       |       |       |       |       |            | 7.3          | 9.6   |
| ENE                    | .1                   | 2.8  | 3.4  | 2.6   | .5    | .1    | .1    |       |       |       |            | 9.7          | 9.9   |
| E                      | .5                   | 3.1  | 2.1  | 1.6   | .3    |       |       |       |       |       |            | 7.7          | 8.1   |
| ESE                    | .2                   | .8   | .1   |       |       |       |       |       |       |       |            | 1.1          | 4.4   |
| SE                     | .4                   | 1.7  | .2   |       |       |       |       |       |       |       |            | 2.4          | 4.7   |
| SSE                    | .5                   | 2.2  | .7   | .5    | .1    |       |       |       |       |       |            | 4.0          | 6.6   |
| S                      | .2                   | .7   | .5   | .2    |       |       |       |       |       |       |            | 1.6          | 7.0   |
| SSW                    |                      | .3   | .2   |       |       |       |       |       |       |       |            | .5           | 6.6   |
| SW                     |                      | .2   | .1   |       |       |       |       |       |       |       |            | .3           | 6.7   |
| WSW                    |                      | .1   |      |       |       |       |       |       |       |       |            | .1           | 4.0   |
| W                      |                      | .2   |      |       |       |       |       |       |       |       |            | .2           | 4.0   |
| WNW                    |                      |      | .1   |       |       |       |       |       |       |       |            | .1           | 8.0   |
| NW                     |                      | .2   | .2   |       | .1    |       |       |       |       |       |            | .5           | 8.6   |
| NNW                    |                      | .5   | 1.1  | 1.7   |       |       |       |       |       |       |            | 3.4          | 10.4  |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 32.9         | ////  |
| TOTALS                 | 3.0                  | 25.0 | 20.3 | 15.6  | 2.7   | .3    | .1    |       |       |       |            | 100.0        | 5.8   |

TOTAL NUMBER OF OBSERVATIONS: 921

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                   | 4.5  | 4.9  | 2.7   | .4    | .1    |       |       |            |              |       | 12.9  | 8.7   |
| NNE                    | .3                   | 2.7  | 4.0  | 6.8   | 1.8   | .2    | .0    |       |            |              |       | 15.9  | 11.6  |
| NE                     | .2                   | 1.6  | 2.2  | 2.7   | .9    | .1    | .7    |       |            |              |       | 7.7   | 11.2  |
| ENE                    | .2                   | 2.0  | 2.6  | 2.5   | .4    | .1    | .0    |       |            |              |       | 7.9   | 9.9   |
| E                      | .3                   | 1.4  | 2.0  | 1.6   | .2    | .1    | .0    |       |            |              |       | 5.7   | 9.6   |
| ESE                    | .1                   | .3   | .2   | .1    | .1    |       |       |       |            |              |       | .8    | 8.2   |
| SE                     | .2                   | .8   | .3   | .1    | .0    |       |       |       |            |              |       | 1.4   | 6.1   |
| SSE                    | .3                   | 1.0  | .6   | .3    | .1    |       |       |       |            |              |       | 2.2   | 7.3   |
| S                      | .2                   | 1.4  | 1.4  | .7    | .0    |       |       |       |            |              |       | 3.7   | 8.1   |
| SSW                    | .1                   | 1.5  | 1.3  | .4    | .0    |       |       |       |            |              |       | 3.2   | 7.7   |
| SW                     | .0                   | 1.0  | .8   | .0    |       |       |       |       |            |              |       | 1.8   | 6.4   |
| WSW                    | .0                   | 1.5  | .3   | .0    |       |       |       |       |            |              |       | 1.9   | 5.6   |
| W                      | .1                   | 1.7  | .5   | .0    |       |       |       |       |            |              |       | 2.3   | 5.8   |
| WNW                    | .1                   | .9   | .3   | .1    |       |       |       |       |            |              |       | 1.3   | 5.9   |
| NW                     | .0                   | .7   | .5   | .3    | .0    |       |       |       |            |              |       | 1.5   | 8.0   |
| NNW                    | .1                   | 1.0  | 1.0  | 1.2   | .3    |       |       |       |            |              |       | 3.6   | 10.1  |
| VARIABLE               | .....                |      |      |       |       |       |       |       |            |              |       |       |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |            |              |       | 26.2  | ////  |
| TOTALS                 | 2.5                  | 24.0 | 22.8 | 19.6  | 4.3   | .5    | .1    |       |            |              |       | 100.0 | 6.9   |

TOTAL NUMBER OF OBSERVATIONS: 7294

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIXON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 |            |              |
| N                      | .5                   | 9.8  | 4.8  | 2.3   | .2    |       |       | 17.5       | 7.2          |
| NNE                    | .5                   | 3.3  | 3.0  | 5.0   | 1.5   | .2    |       | 13.4       | 10.8         |
| NE                     | .1                   | 1.7  | 1.7  | .9    | .1    |       |       | 4.6        | 8.3          |
| ENE                    | .6                   | 3.0  | 1.5  | 1.5   |       | .1    |       | 6.6        | 7.9          |
| E                      | .5                   | 1.9  | 1.0  | .3    |       |       |       | 3.8        | 6.1          |
| ESE                    |                      | .8   | .1   |       |       |       |       | .9         | 4.9          |
| SE                     | .1                   | 1.6  | 1.3  | .3    |       |       |       | 3.3        | 6.9          |
| SSE                    | .1                   | 1.3  | 1.3  | .5    | .1    |       |       | 3.2        | 7.6          |
| S                      |                      | .1   | .8   | 1.0   | .1    | .1    |       | 2.2        | 12.7         |
| SSW                    |                      |      | .6   | 1.3   | 1.1   | .1    |       | 3.1        | 15.3         |
| SW                     |                      |      | .1   | 1.1   | .3    |       |       | 1.6        | 15.1         |
| WSW                    |                      |      | .5   | .3    |       |       |       | .8         | 10.3         |
| W                      |                      | .5   | .1   | .3    |       |       |       | .9         | 8.8          |
| WNW                    |                      | .1   | .2   |       |       |       |       | .3         | 6.7          |
| NW                     |                      | .5   | .3   |       |       |       |       | .8         | 6.6          |
| NNW                    | .1                   | .8   | .7   | 1.4   |       |       |       | 3.0        | 10.0         |
| VARIABLE               |                      |      |      |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       | 34.1       | ////         |
| TOTALS                 | 2.4                  | 25.3 | 17.9 | 16.3  | 3.5   | .6    |       | 100.0      | 5.9          |

TOTAL NUMBER OF OBSERVATIONS: 878

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                   | 8.3  | 5.2  | 2.4   |       |       |       |       |       |       |            | 16.3         | 7.4   |
| NNE                    | .7                   | 5.6  | 3.1  | 3.2   | 1.5   | .1    |       |       |       |       |            | 14.2         | 9.1   |
| NE                     | .2                   | 2.6  | .8   | .9    | .6    |       |       |       |       |       |            | 5.2          | 8.7   |
| ENE                    | .6                   | 3.8  | 1.7  | 1.3   | .1    |       |       |       |       |       |            | 7.5          | 7.1   |
| E                      | .2                   | 2.3  | .6   | .2    | .1    |       |       |       |       |       |            | 3.4          | 6.2   |
| ESE                    | .1                   | .9   | .2   |       |       |       |       |       |       |       |            | 1.3          | 5.5   |
| SE                     | .1                   | 1.6  | .9   | .2    | .1    |       |       |       |       |       |            | 3.0          | 7.1   |
| SSE                    |                      | 1.5  | .5   | 1.0   |       |       |       |       |       |       |            | 3.0          | 6.4   |
| S                      |                      | .5   | .8   | 1.4   | .1    | .1    |       |       |       |       |            | 2.9          | 11.5  |
| SSW                    |                      | .2   | .5   | 1.5   | .2    | .3    |       |       |       |       |            | 2.8          | 13.8  |
| SW                     |                      |      | .2   | .7    | .2    | .1    |       |       |       |       |            | 1.3          | 14.6  |
| WSW                    |                      | .2   | .3   | .3    |       |       |       |       |       |       |            | .9           | 9.1   |
| W                      |                      |      | .2   | .3    |       |       |       |       |       |       |            | .6           | 13.6  |
| WNW                    |                      |      | .1   | .2    | .1    | .1    |       |       |       |       |            | .6           | 15.8  |
| NW                     |                      | .2   | .1   | .2    |       |       |       |       |       |       |            | .6           | 8.6   |
| NNW                    |                      | .5   | .5   | .6    |       |       |       |       |       |       |            | 1.5          | 9.6   |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 35.1         | ////  |
| TOTALS                 | 2.4                  | 28.2 | 15.7 | 14.6  | 3.1   | .8    |       |       |       |       |            | 100.0        | 5.6   |

TOTAL NUMBER OF OBSERVATIONS: 871



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 |            |              |
| N                      | .6                   | 7.3  | 4.8  | 1.6   |       |       |       | 14.3       | 7.1          |
| NNE                    | .5                   | 4.7  | 3.9  | 3.6   | 1.8   | .2    |       | 14.7       | 10.1         |
| NE                     | .5                   | 3.6  | 1.8  | .8    | .2    |       |       | 6.9        | 7.3          |
| ENE                    | .6                   | 2.6  | .9   | 1.5   | .3    |       |       | 6.0        | 8.2          |
| E                      | .5                   | 2.8  | 1.9  | .7    | .2    |       |       | 6.1        | 7.4          |
| ESE                    | .1                   | 1.5  |      | .2    |       |       |       | 1.8        | 5.6          |
| SE                     |                      | .9   | .3   | .3    | .1    |       |       | 1.7        | 9.1          |
| SSE                    |                      | 1.3  | .7   | .2    | .1    |       |       | 2.3        | 8.1          |
| S                      |                      | .7   | .6   | 1.5   | .6    |       |       | 3.3        | 12.0         |
| SSW                    |                      | .1   | .9   | .7    | .9    | .3    |       | 3.0        | 15.2         |
| SW                     |                      |      | .1   | .6    | .5    | .2    |       | 1.4        | 16.7         |
| WSW                    |                      |      | .2   |       |       |       |       | .2         | 8.0          |
| W                      |                      |      | .2   | .2    | .1    |       |       | .6         | 13.6         |
| WNW                    |                      |      | .1   | .1    | .3    |       |       | .6         | 15.4         |
| NW                     |                      | .1   |      | .2    |       | .1    |       | .5         | 13.8         |
| NNW                    |                      | .8   | .6   | .8    | .3    |       |       | 2.5        | 9.9          |
| VARIABLE               |                      |      |      |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       | 34.2       | ////         |
| TOTALS                 | 2.6                  | 26.4 | 17.2 | 13.1  | 5.6   | .9    |       | 100.0      | 6.0          |

TOTAL NUMBER OF OBSERVATIONS: 872

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: MELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: NOV HOURS(DST): 0900-1100

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 |            |              |
| N                      |                      | 5.7  | 6.8  | 3.6   | .2    |       |       |       |       |       |       | 16.3       | 8.8          |
| NNE                    | .1                   | 3.6  | 4.3  | 6.6   | 1.9   | .3    | .1    |       |       |       |       | 17.0       | 11.6         |
| NE                     | .1                   | .6   | 1.0  | 1.9   | .7    | .1    |       |       |       |       |       | 4.4        | 12.2         |
| ENE                    |                      | .6   | 2.2  | .8    | .6    |       |       |       |       |       |       | 4.1        | 10.6         |
| E                      | .3                   | .9   | .8   | .8    |       |       |       |       |       |       |       | 2.8        | 8.4          |
| ESE                    | .3                   | .2   | .1   | .2    | .1    |       |       |       |       |       |       | 1.0        | 8.0          |
| SE                     |                      | .6   | .5   | .2    |       |       |       |       |       |       |       | 1.2        | 8.2          |
| SSE                    |                      | 1.4  | .7   | 1.1   | .1    |       |       |       |       |       |       | 3.3        | 9.4          |
| S                      |                      | 1.5  | 1.0  | 2.0   | .2    | .2    |       |       |       |       |       | 5.0        | 10.7         |
| SSW                    |                      | 1.1  | .2   | 2.2   | .5    | .5    | .1    |       |       |       |       | 4.5        | 12.9         |
| SW                     |                      | .2   | .1   | 1.1   |       | .2    |       |       |       |       |       | 1.7        | 14.3         |
| WSW                    |                      | .2   |      | .1    |       |       |       |       |       |       |       | .3         | 6.7          |
| W                      |                      | .3   | .2   | .2    | .1    |       |       |       |       |       |       | .9         | 8.9          |
| WNW                    | .2                   | 1.4  | .2   | .2    | .2    |       |       |       |       |       |       | 2.3        | 7.4          |
| NW                     | .1                   | .8   | .2   | .2    | .1    |       |       |       |       |       |       | 1.5        | 7.6          |
| NNW                    | .2                   | 2.2  | 1.6  | 1.2   | .2    |       |       |       |       |       |       | 5.4        | 8.5          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |       | 28.1       | ////         |
| TOTALS                 | 1.5                  | 21.2 | 20.0 | 22.7  | 5.0   | 1.4   | .2    |       |       |       |       | 100.0      | 7.3          |

TOTAL NUMBER OF OBSERVATIONS: 882

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 7A-87  
 MONTH: NOV HOURS(LST): 1200-1400

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                   | 2.1  | 5.6  | 2.4   | .8    |       |       |       |       |       |            | 11.3         | 9.8   |
| NNE                    |                      | .8   | 4.8  | 7.3   | 2.9   | .6    |       |       |       |       |            | 16.4         | 13.2  |
| NE                     |                      | .5   | .7   | 3.7   | 1.5   | .1    |       |       |       |       |            | 6.4          | 13.9  |
| ENE                    |                      | .6   | 1.5  | .8    | .5    |       |       |       |       |       |            | 3.3          | 11.5  |
| E                      |                      | .6   | .9   | 1.0   | .1    |       |       |       |       |       |            | 2.6          | 10.5  |
| ESE                    |                      | .3   | .3   |       |       |       |       |       |       |       |            | .7           | 6.5   |
| SE                     |                      | .1   |      | .1    |       |       |       |       |       |       |            | .2           | 9.0   |
| SSE                    |                      | .2   | .8   | 1.8   |       | .1    |       |       |       |       |            | 3.0          | 12.5  |
| S                      | .1                   | .7   | 1.6  | 3.2   | .2    | .1    |       |       |       |       |            | 6.0          | 11.7  |
| SSW                    | .2                   | 3.7  | 2.0  | 2.2   | .7    | .2    |       | .1    |       |       |            | 8.4          | 10.3  |
| SW                     | .2                   | 2.1  | .9   | .3    |       | .1    |       |       |       |       |            | 3.7          | 7.2   |
| WSW                    | .1                   | 2.8  | .3   | .1    |       |       |       |       |       |       |            | 3.3          | 5.2   |
| W                      | .2                   | 4.8  | .3   |       |       | .1    |       |       |       |       |            | 5.5          | 5.4   |
| WNW                    | .2                   | 3.9  | .5   | .1    |       |       |       |       |       |       |            | 4.7          | 5.5   |
| NW                     |                      | 1.7  | 1.7  | .9    | .2    |       |       |       |       |       |            | 4.6          | 8.6   |
| NNW                    |                      | 1.4  | 1.4  | 1.8   | .5    | .1    |       |       |       |       |            | 5.2          | 11.0  |
| VARIABLE               |                      | .1   |      |       |       |       |       |       |       |       |            | .1           | 5.0   |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 14.6         | ////  |
| TOTALS                 | 1.5                  | 25.6 | 23.4 | 25.9  | 7.3   | 1.5   |       | .1    |       |       |            | 100.0        | 8.8   |

TOTAL NUMBER OF OBSERVATIONS: 871

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIMON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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  | 4.9  | 3.7   | .9    |       |       |       |       |       |            | 10.7         | 10.9  |
| NNE                    |                                      | 1.1  | 4.2  | 7.8   | 1.8   | .1    |       |       |       |       |            | 15.1         | 12.6  |
| NE                     |                                      | .6   | 3.1  | 2.7   | .5    | .1    |       |       |       |       |            | 7.0          | 11.5  |
| ENE                    |                                      | 1.6  | 2.4  | 1.8   | .3    | .1    |       |       |       |       |            | 6.3          | 10.3  |
| E                      | .1                                   | 1.3  | 2.3  | 1.9   | .2    |       |       |       |       |       |            | 5.8          | 9.8   |
| ESE                    |                                      | .5   | .6   | .2    |       |       |       |       |       |       |            | 1.3          | 5.1   |
| SE                     |                                      | .2   |      | .1    | .1    | .1    |       |       |       |       |            | .6           | 13.0  |
| SSE                    |                                      | .7   | 1.1  | 1.6   | .2    | .1    |       |       |       |       |            | 3.8          | 11.3  |
| S                      | .3                                   | 3.7  | 3.1  | 3.4   | .2    | .1    |       |       |       |       |            | 10.9         | 9.2   |
| SSW                    |                                      | 4.3  | 3.0  | 1.9   | .5    |       |       |       |       |       |            | 9.7          | 8.7   |
| SW                     | .1                                   | 2.6  | .3   | .3    | .6    | .1    |       |       |       |       |            | 4.1          | 8.4   |
| WSW                    | .1                                   | 1.4  |      |       |       |       |       |       |       |       |            | 1.5          | 4.4   |
| W                      | .2                                   | 1.5  | .2   | .2    | .3    |       |       |       |       |       |            | 2.5          | 7.9   |
| WNW                    |                                      | .3   |      | .1    | .1    |       |       |       |       |       |            | .6           | 9.6   |
| NW                     | .1                                   | .3   | .9   | .8    | .1    |       |       |       |       |       |            | 2.3          | 10.1  |
| NNW                    |                                      | .5   | 1.6  | 1.8   | .5    | .1    |       |       |       |       |            | 4.5          | 11.6  |
| VARIABLE               | //////////////////////////////////// |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |       |            | 13.5         | ////  |
| TOTALS                 | 1.1                                  | 21.7 | 27.8 | 28.6  | 6.4   | .9    |       |       |       |       |            | 102.0        | 8.9   |

TOTAL NUMBER OF OBSERVATIONS: 875

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: PELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 74-87  
 MONTH: NOV HOURS(LST): 1800-2000

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                   | 2.8  | 5.5  | 3.3   | .4    |       | .1    |       |       |       |            | 12.2         | 9.5   |
| NNE                    | .4                   | 2.5  | 4.8  | 5.5   | 2.0   | .1    |       |       |       |       |            | 15.4         | 11.4  |
| NE                     | .2                   | 1.9  | 1.9  | 2.1   | .1    | .1    |       |       |       |       |            | 6.4          | 9.5   |
| ENE                    | .6                   | 3.9  | 3.3  | 2.9   | .3    | .1    |       |       |       |       |            | 11.1         | 8.8   |
| E                      |                      | 2.1  | 3.5  | 1.5   | .4    | .1    |       |       |       |       |            | 7.6          | 9.5   |
| ESE                    | .3                   | .9   | .3   |       |       |       |       |       |       |       |            | 1.6          | 4.9   |
| SE                     | .4                   | 1.8  | .6   | .3    |       |       |       |       |       |       |            | 3.1          | 6.4   |
| SSE                    | .4                   | 3.5  | .7   | .6    | .3    | .1    |       |       |       |       |            | 5.6          | 7.4   |
| S                      | .2                   | 2.2  | .9   | 1.6   | .1    |       |       |       |       |       |            | 5.1          | 8.5   |
| SSW                    |                      | .4   | 1.5  | 1.9   | .6    |       | .1    |       |       |       |            | 4.5          | 12.8  |
| SW                     |                      | .1   | .4   | .9    | .3    |       |       |       |       |       |            | 1.8          | 12.9  |
| WSW                    |                      | .1   | .1   | .9    |       |       |       |       |       |       |            | 1.1          | 12.0  |
| W                      |                      | .2   | .1   |       | .1    |       |       |       |       |       |            | .4           | 9.0   |
| VNW                    |                      |      | .1   |       |       |       |       |       |       |       |            | .1           | 8.0   |
| NW                     |                      | .1   | .1   | .1    | .3    |       |       |       |       |       |            | .7           | 13.5  |
| NNW                    |                      | .1   | .4   | 1.6   | .4    | .1    |       |       |       |       |            | 2.7          | 13.7  |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 23.4         | ////  |
| TOTALS                 | 2.4                  | 22.8 | 24.3 | 23.1  | 5.6   | .7    | .2    |       |       |       |            | 100.0        | 7.8   |

TOTAL NUMBER OF OBSERVATIONS: 890

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                   | 5.6  | 4.7  | 2.6   | .2    |       |       |       |       |       |            | 13.3         | 8.1   |
| NNE                    | .2                   | 2.9  | 5.7  | 5.2   | 1.5   | .3    |       |       |       |       |            | 15.9         | 11.0  |
| NE                     | .1                   | 1.3  | 1.3  | 1.1   | .6    |       |       |       |       |       |            | 4.5          | 9.8   |
| ENE                    | .3                   | 3.0  | 1.7  | 2.6   | .1    |       |       |       |       |       |            | 7.8          | 8.7   |
| E                      | .1                   | 2.7  | 1.6  | .2    | .2    |       |       |       |       |       |            | 4.8          | 7.1   |
| ESE                    | .1                   | .7   | .2   |       |       |       |       |       |       |       |            | 1.0          | 4.9   |
| SE                     | .2                   | 2.5  | 1.0  | .3    | .1    |       |       |       |       |       |            | 4.2          | 6.8   |
| SSE                    | .3                   | 1.6  | 1.2  | .7    | .4    |       |       |       |       |       |            | 4.3          | 8.9   |
| S                      | .1                   | .7   | .7   | .7    | .2    | .1    |       |       |       |       |            | 2.5          | 10.6  |
| SSW                    | .1                   | .1   | .7   | 1.1   | 1.2   | .1    |       |       |       |       |            | 3.4          | 14.6  |
| SW                     |                      | .3   | .6   | .3    | .3    |       |       |       |       |       |            | 1.6          | 11.5  |
| WSW                    | .2                   | .2   | .1   | .6    |       |       |       |       |       |       |            | 1.1          | 8.9   |
| W                      |                      | .1   | .4   | .2    |       |       |       |       |       |       |            | .8           | 9.4   |
| WNW                    |                      | .1   | .2   |       | .1    |       |       |       |       |       |            | .4           | 9.8   |
| NW                     | .1                   | .1   | .2   | .6    |       |       |       |       |       |       |            | 1.0          | 9.6   |
| NNW                    | .1                   | .7   | .3   | .9    | .3    |       |       |       |       |       |            | 2.4          | 11.3  |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 31.2         | ////  |
| TOTALS                 | 2.2                  | 22.7 | 20.8 | 17.1  | 5.4   | .6    |       |       |       |       |            | 100.0        | 6.5   |

TOTAL NUMBER OF OBSERVATIONS: 989

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |       |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 |            |              | GE 56 |
| N                      | .3                   | 5.3  | 5.3  | 2.7   | .4    |       | .0    |       |       |       |            | 14.0         | 8.4   |
| NNE                    | .3                   | 3.1  | 4.2  | 5.5   | 1.9   | .3    | .0    |       |       |       |            | 15.3         | 11.3  |
| NE                     | .2                   | 1.6  | 1.6  | 1.8   | .5    | .1    |       |       |       |       |            | 5.7          | 10.2  |
| ENE                    | .3                   | 2.4  | 1.9  | 1.7   | .3    | .0    |       |       |       |       |            | 6.6          | 8.8   |
| E                      | .2                   | 1.8  | 1.6  | .8    | .2    | .0    |       |       |       |       |            | 4.6          | 8.2   |
| ESE                    | .1                   | .7   | .2   | .1    | .0    |       |       |       |       |       |            | 1.2          | 6.0   |
| SE                     | .1                   | 1.2  | .6   | .3    | .1    | .3    |       |       |       |       |            | 2.2          | 7.3   |
| SSE                    | .1                   | 1.4  | .9   | .9    | .2    | .3    |       |       |       |       |            | 3.6          | 9.1   |
| S                      | .1                   | 1.3  | 1.2  | 1.8   | .2    | .1    |       |       |       |       |            | 4.7          | 10.4  |
| SSW                    | .0                   | 1.2  | 1.2  | 1.6   | .7    | .2    | .0    | .0    |       |       |            | 4.9          | 11.9  |
| SW                     | .0                   | .7   | .4   | .7    | .3    | .1    |       |       |       |       |            | 2.1          | 11.3  |
| WSW                    | .1                   | .6   | .2   | .3    |       |       |       |       |       |       |            | 1.2          | 7.3   |
| W                      | .1                   | .9   | .2   | .2    | .1    | .3    |       |       |       |       |            | 1.5          | 7.6   |
| WNW                    | .1                   | .7   | .2   | .1    | .1    | .3    |       |       |       |       |            | 1.2          | 7.7   |
| NW                     | .0                   | .5   | .5   | .4    | .1    | .7    |       |       |       |       |            | 1.5          | 9.2   |
| NNW                    | .1                   | .9   | .9   | 1.3   | .3    | .0    |       |       |       |       |            | 3.4          | 10.6  |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            | .0           | 5.0   |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 26.4         | ////  |
| TOTALS                 | 2.1                  | 24.2 | 20.9 | 20.2  | 5.3   | .9    | .1    | .0    |       |       |            | 100.0        | 7.1   |

TOTAL NUMBER OF OBSERVATIONS: 7028

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIXON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 |            |              |
| N                      | .2                                   | 5.5  | 4.2  | 4.3   | 1.0   | .2    |       | 15.4       | 9.4          |
| NNE                    | .2                                   | 4.1  | 3.6  | 2.3   | .4    |       |       | 10.6       | 8.7          |
| NE                     | .2                                   | 2.5  | 1.1  | 1.1   | .2    | .1    |       | 5.3        | 8.2          |
| ENE                    | .4                                   | 3.7  | .7   | .4    | .4    | .1    |       | 5.9        | 7.2          |
| E                      |                                      | 1.8  | .7   | .5    | .1    |       |       | 3.1        | 7.8          |
| ESE                    | .1                                   | .5   | .5   | .8    | .1    |       |       | 2.1        | 9.4          |
| SE                     |                                      | 1.0  | .4   | .3    |       |       |       | 1.8        | 7.4          |
| SSE                    | .2                                   | 1.3  | 1.2  | .5    | .4    |       |       | 3.7        | 9.2          |
| S                      |                                      | .7   | 1.6  | 1.3   | .2    |       |       | 3.8        | 10.6         |
| SSW                    |                                      | .4   | .8   | 1.4   | .3    |       |       | 3.0        | 12.0         |
| SW                     |                                      | .2   | .9   | 1.0   | .5    |       |       | 2.6        | 12.7         |
| WSW                    |                                      | .4   | .5   | .3    | .1    |       |       | 1.4        | 9.6          |
| W                      |                                      | .5   | .2   | 1.1   |       |       |       | 1.9        | 11.2         |
| WNW                    |                                      | .2   | .1   | .1    |       |       |       | .4         | 7.5          |
| NW                     |                                      | .7   | .2   | .2    | .1    | .2    |       | 1.1        | 12.7         |
| NNW                    |                                      | .7   | 1.1  | 1.5   | .2    | .1    |       | 3.6        | 11.4         |
| VARIABLE               |                                      |      |      |       |       |       |       |            |              |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       | 34.4       | ////         |
| TOTALS                 | 1.4                                  | 23.9 | 17.9 | 17.3  | 4.3   | .8    |       | 100.7      | 6.2          |

TOTAL NUMBER OF OBSERVATIONS: 912



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: 167163 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |       |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 |            |              | GE 56 |
| N                      | .6                   | 6.0  | 6.0  | 3.9   | .2    | .1    |       |       |       |       |            | 16.7         | 8.5   |
| NNE                    | .1                   | 3.6  | 3.9  | 3.4   | .2    | .1    |       |       |       |       |            | 11.4         | 9.3   |
| NE                     | .3                   | 2.5  | .6   | 1.2   | .6    |       |       |       |       |       |            | 5.2          | 8.3   |
| ENE                    | 1.2                  | 3.0  | .6   | 2.0   | .1    |       | .1    |       |       |       |            | 7.0          | 7.9   |
| E                      | .1                   | 2.1  | .7   | .2    |       |       |       |       |       |       |            | 3.1          | 5.8   |
| ESE                    | .2                   | .7   | .2   | .4    | .1    |       |       |       |       |       |            | 1.7          | 7.7   |
| SE                     | .2                   | 1.4  | .3   | .2    | .1    |       |       |       |       |       |            | 2.3          | 7.1   |
| SSE                    | .2                   | 1.3  | .7   | .9    | .2    | .1    |       |       |       |       |            | 3.4          | 9.2   |
| S                      | .1                   | 1.1  | 1.0  | .8    | .4    |       |       |       |       |       |            | 3.4          | 10.1  |
| SSW                    |                      | .1   | .2   | 1.1   | .6    | .1    |       |       |       |       |            | 2.1          | 15.3  |
| SW                     |                      | 1.0  | .2   | .8    | .2    |       |       |       |       |       |            | 2.2          | 10.6  |
| WSW                    |                      | .2   | 1.2  | .4    | .1    |       |       |       |       |       |            | 2.0          | 9.8   |
| W                      | .1                   | .2   | .3   | .8    | .1    |       |       |       |       |       |            | 1.5          | 11.5  |
| WNW                    |                      | .4   |      |       |       |       |       |       |       |       |            | .4           | 4.5   |
| NW                     |                      | .4   | .6   | .3    | .1    |       |       |       |       |       |            | 1.4          | 9.6   |
| NNW                    |                      | .3   | .7   | 1.4   | .2    | .2    |       |       |       |       |            | 2.9          | 13.3  |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 33.3         | ////  |
| TOTALS                 | 3.2                  | 24.5 | 17.0 | 17.9  | 3.3   | .7    | .1    |       |       |       |            | 100.0        | 6.1   |

TOTAL NUMBER OF OBSERVATIONS: 905

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |       |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 |            |              | GE 56 |
| N                      |                      | 5.9  | 6.0  | 4.8   | .7    | .1    |       |       |       |       |            | 17.4         | 9.5   |
| NNE                    |                      | 4.5  | 3.7  | 3.3   | .7    |       | .2    | .1    |       |       |            | 12.5         | 9.9   |
| NE                     | .1                   | 2.1  | 1.4  | 1.7   | .2    |       |       |       |       |       |            | 5.5          | 9.1   |
| ENE                    | .2                   | 3.0  | 2.2  | 1.0   | .1    |       |       |       |       |       |            | 6.5          | 7.6   |
| E                      | .2                   | 3.1  | .3   | .3    | .3    | .1    |       |       |       |       |            | 4.4          | 6.8   |
| ESE                    | .1                   | .7   | .1   |       | .1    |       |       |       |       |       |            | 1.0          | 6.6   |
| SE                     | .1                   | 2.0  | .1   | .2    | .1    |       |       |       |       |       |            | 2.5          | 6.3   |
| SSE                    |                      | 1.2  | .6   | .3    | .1    |       | .1    |       |       |       |            | 2.3          | 8.7   |
| S                      |                      | .3   | 1.3  | 1.3   | .3    |       |       |       |       |       |            | 3.3          | 11.8  |
| SSW                    |                      | .8   | .6   | 1.2   | .6    | .2    |       |       |       |       |            | 3.3          | 12.4  |
| SW                     |                      | .2   | .6   | 1.0   |       |       |       |       |       |       |            | 1.8          | 11.0  |
| WSW                    |                      | .3   | .6   | .1    |       |       |       |       |       |       |            | 1.0          | 8.2   |
| W                      |                      | .1   | .2   | .7    |       |       |       |       |       |       |            | 1.0          | 11.2  |
| WNW                    |                      | .4   | .2   | .1    |       |       |       |       |       |       |            | .8           | 7.3   |
| NW                     |                      |      |      | .3    | .1    | .1    | .1    |       |       |       |            | .7           | 17.7  |
| NNW                    | .1                   | .4   | .8   | 1.9   | 1.1   | .2    |       |       |       |       |            | 4.5          | 13.8  |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 31.3         | ////  |
| TOTALS                 | .9                   | 25.2 | 18.6 | 18.3  | 4.4   | .8    | .4    | .1    |       |       |            | 100.0        | 6.6   |

TOTAL NUMBER OF OBSERVATIONS: 902

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                   | 6.6  | 6.3  | 4.4   | 1.1   | .1    |       |       |       |       |            | 18.6         | 9.4   |
| NNE                    |                      | 2.5  | 2.6  | 5.0   | 1.2   | .3    | .1    |       |       |       |            | 11.9         | 12.0  |
| NE                     | .1                   | 1.1  | .8   | 1.1   | .4    |       |       |       |       |       |            | 3.5          | 10.3  |
| ENE                    |                      | 1.4  | 1.2  | 1.4   | .3    | .1    |       |       |       |       |            | 4.5          | 10.1  |
| E                      | .2                   | .9   | .9   | .7    | .3    |       |       |       |       |       |            | 3.0          | 9.4   |
| ESE                    |                      | .2   | .2   | .1    | .1    |       |       |       |       |       |            | .7           | 9.5   |
| SE                     | .1                   | .8   | .3   | .2    | .1    |       |       |       |       |       |            | 1.5          | 8.4   |
| SSE                    |                      | .9   | 1.2  | .8    | .2    |       |       |       |       |       |            | 3.1          | 9.9   |
| S                      | .1                   | 1.0  | 1.3  | 1.2   | .8    | .1    |       |       |       |       |            | 4.5          | 11.2  |
| SSW                    |                      | .7   | 1.3  | 2.1   | .5    | .1    |       |       |       |       |            | 4.7          | 12.2  |
| SW                     |                      | .3   | .4   | 1.4   | .3    |       |       |       |       |       |            | 2.5          | 12.6  |
| WSW                    |                      | .3   | .2   | .4    |       |       |       |       |       |       |            | 1.0          | 10.2  |
| W                      |                      | .3   | .3   | .2    | .2    | .1    |       |       |       |       |            | 1.2          | 11.6  |
| WNW                    |                      | .5   | .2   | .1    | .1    |       |       |       |       |       |            | 1.0          | 8.8   |
| NW                     |                      | .1   | .5   | 1.2   | .1    |       |       |       |       |       |            | 2.0          | 12.9  |
| NNW                    |                      | .9   | 1.5  | 1.8   | .4    | .2    | .1    |       |       |       |            | 4.9          | 11.6  |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 31.5         | ////  |
| TOTALS                 | .7                   | 18.6 | 19.4 | 22.2  | 6.4   | 1.1   | .2    |       |       |       |            | 100.0        | 7.3   |

TOTAL NUMBER OF OBSERVATIONS: 911

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: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       | TOTAL<br>% | MEAN<br>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  | 3.3  | 5.2   | 1.7   | .2    |       |       |            |              |       | 12.4  | 12.0  |
| NNE                    |                                      | .8   | 3.5  | 7.4   | 1.4   | .3    | .1    |       |            |              |       | 13.6  | 13.3  |
| NE                     |                                      | .4   | 1.4  | 1.8   | .7    | .2    |       |       |            |              |       | 4.5   | 12.3  |
| ENE                    |                                      |      | 1.0  | 1.2   | 1.4   | .1    | .1    |       |            |              |       | 3.9   | 10.5  |
| E                      | .1                                   | .4   | .7   | .3    | .1    |       |       |       |            |              |       | 1.7   | 8.8   |
| ESE                    |                                      |      | .4   | .4    | .1    |       |       |       |            |              |       | 1.0   | 11.6  |
| SE                     |                                      | .4   | .3   | .1    | .1    |       |       |       |            |              |       | 1.0   | 8.7   |
| SSE                    |                                      | .8   | .8   | .9    | .1    | .2    |       |       |            |              |       | 2.8   | 10.7  |
| S                      | .1                                   | 1.5  | 2.4  | 1.7   | .8    | .2    |       |       |            |              |       | 6.7   | 10.9  |
| SSW                    | .1                                   | 1.3  | 2.0  | 2.4   | .6    |       |       |       |            |              |       | 6.4   | 10.8  |
| SW                     | .1                                   | 1.8  | .8   | 1.7   | .6    |       |       |       |            |              |       | 4.9   | 10.2  |
| WSW                    |                                      | 1.9  | .1   | .2    | .2    |       |       |       |            |              |       | 2.4   | 7.2   |
| W                      | .3                                   | 2.2  | .7   | .9    | .3    | .1    |       |       |            |              |       | 4.5   | 8.0   |
| WNW                    | .1                                   | 2.9  | 1.0  | .4    | .1    |       |       |       |            |              |       | 4.5   | 6.6   |
| NW                     | .1                                   | 2.4  | 1.2  | 1.2   | .3    |       |       |       |            |              |       | 5.3   | 8.5   |
| NNW                    |                                      | 1.3  | 2.4  | 2.1   | .9    | .2    |       |       |            |              |       | 7.0   | 11.6  |
| VARIABLE               | .....                                |      |      |       |       |       |       |       |            |              |       |       |       |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       |            |              |       | 17.5  | ////  |
| TOTALS                 | 1.0                                  | 21.2 | 22.3 | 28.2  | 8.1   | 1.7   | .1    |       |            |              |       | 100.0 | 8.9   |

TOTAL NUMBER OF OBSERVATIONS: 905

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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  | 4.2   | 2.0   |       |       |       |       |       |            | 11.2         | 11.8  |
| NNE                    |                      | .9   | 4.0  | 5.9   | .9    | .4    |       |       |       |       |            | 12.1         | 12.4  |
| NE                     |                      | 1.2  | 2.2  | 2.0   | .6    | .1    | .1    |       |       |       |            | 6.2          | 11.3  |
| ENE                    |                      | 1.3  | 1.5  | .9    | .1    |       |       |       |       |       |            | 3.9          | 9.1   |
| E                      |                      | 2.0  | 1.8  | .9    | .2    |       |       |       |       |       |            | 4.7          | 9.2   |
| ESE                    |                      | .7   | .1   | .4    | .1    |       |       |       |       |       |            | 1.3          | 9.5   |
| SE                     | .1                   | .7   | .4   |       | .2    |       |       |       |       |       |            | 1.4          | 8.3   |
| SSE                    |                      | 1.7  | 1.5  | .9    | .6    |       |       |       |       |       |            | 4.6          | 9.4   |
| S                      | .4                   | 2.4  | 3.1  | 2.1   | .6    | .1    |       |       |       |       |            | 8.7          | 9.6   |
| SSW                    | .1                   | 3.0  | 1.4  | 1.9   | 1.0   |       |       |       |       |       |            | 7.4          | 9.8   |
| SW                     | .3                   | 1.5  | .6   | 1.2   | .4    |       |       |       |       |       |            | 4.1          | 9.4   |
| WSW                    |                      | .7   | .4   | .4    | .2    |       |       |       |       |       |            | 1.8          | 9.3   |
| W                      | .2                   | 1.8  | .7   | .9    | .2    |       |       |       |       |       |            | 3.8          | 8.2   |
| WNW                    | .1                   | .8   | .3   | .2    |       |       |       |       |       |       |            | 1.4          | 6.5   |
| NW                     |                      | 1.0  | .8   | 1.3   | .3    |       |       |       |       |       |            | 3.4          | 10.8  |
| NNW                    | .1                   | 1.7  | 2.1  | 2.7   | 1.1   | .2    |       |       |       |       |            | 7.9          | 11.5  |
| VARIABLE               | .....                |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 15.9         | ////  |
| TOTALS                 | 1.4                  | 23.6 | 23.7 | 25.9  | 8.5   | .9    | .1    |       |       |       |            | 100.0        | 8.8   |

TOTAL NUMBER OF OBSERVATIONS: 904

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                   | 3.7  | 4.4  | 3.3   | .9    |       |       |       |       |       |            | 12.4         | 9.7   |
| NNE                    | .2                   | 3.1  | 3.6  | 2.9   | .7    | .5    |       |       |       |       |            | 11.0         | 10.2  |
| NE                     | .2                   | 2.0  | 2.0  | 1.5   | .5    | .2    |       |       |       |       |            | 6.5          | 9.9   |
| ENE                    | .2                   | 1.9  | 4.1  | 1.6   | .4    | .1    |       |       |       |       |            | 8.3          | 9.3   |
| E                      | .2                   | 2.6  | 2.0  | 1.3   |       |       |       |       |       |       |            | 6.1          | 7.8   |
| ESE                    | .2                   | 1.2  | .1   | .4    | .2    |       |       |       |       |       |            | 2.2          | 7.8   |
| SE                     | .3                   | 1.8  | .4   | .1    |       |       |       |       |       |       |            | 2.6          | 6.0   |
| SSE                    | .4                   | 2.2  | 1.1  | 1.1   | .4    |       |       |       |       |       |            | 5.3          | 8.6   |
| S                      | .1                   | 1.8  | 1.5  | 1.3   | .2    | .1    | .1    |       |       |       |            | 5.2          | 9.7   |
| SSW                    |                      | .2   | .8   | 2.1   | .4    | .1    | .1    |       |       |       |            | 3.7          | 13.9  |
| SW                     |                      | .3   | .8   | .9    | .7    |       |       |       |       |       |            | 2.6          | 12.3  |
| WSW                    | .1                   | .4   | .8   | .4    | .1    |       |       |       |       |       |            | 1.9          | 9.3   |
| W                      |                      | .1   | .4   | .4    | .1    |       |       |       |       |       |            | 1.1          | 11.5  |
| WNW                    |                      | .2   | .4   | .1    | .1    |       |       |       |       |       |            | .9           | 9.3   |
| NW                     |                      | .2   | .3   | .3    | .2    | .1    |       |       |       |       |            | 1.2          | 12.2  |
| NNW                    |                      | .3   | 1.4  | 3.4   | .7    | .2    |       | .1    |       |       |            | 6.1          | 13.4  |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 22.9         | ////  |
| TOTALS                 | 2.2                  | 22.0 | 24.1 | 21.3  | 5.7   | 1.4   | .2    | .1    |       |       |            | 100.0        | 7.7   |

TOTAL NUMBER OF OBSERVATIONS: 912

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                                   | 5.9  | 5.9  | 3.7   | .8    | .1    | .1    |       |       |       |       | 16.9       | 9.0          |
| NNE                    | .1                                   | 2.6  | 3.1  | 2.5   | .5    | .1    |       |       |       |       |       | 9.0        | 9.8          |
| NE                     | .1                                   | 2.9  | 1.4  | 1.5   | .1    |       |       |       |       |       |       | 6.1        | 8.3          |
| ENE                    | .3                                   | 3.1  | 2.0  | 1.0   | .2    |       |       |       |       |       |       | 6.6        | 7.6          |
| E                      | .4                                   | 1.7  | 1.6  | .4    | .3    |       |       |       |       |       |       | 4.6        | 7.6          |
| ESE                    |                                      | .2   | .2   | .2    |       |       |       |       |       |       |       | .7         | 9.5          |
| SE                     | .1                                   | 1.6  | .8   | .2    | .1    |       |       |       |       |       |       | 2.8        | 7.3          |
| SSE                    | .1                                   | 2.4  | .8   | .9    | .3    |       |       |       |       |       |       | 4.4        | 8.2          |
| S                      |                                      | 1.2  | 1.7  | 1.4   | .3    |       |       |       |       |       |       | 4.7        | 10.4         |
| SSW                    |                                      | .4   | .9   | 1.8   | .4    | .2    |       | .1    |       |       |       | 3.9        | 13.4         |
| SW                     |                                      | .3   | .3   | 1.1   | .1    |       |       |       |       |       |       | 1.8        | 11.5         |
| WSW                    | .1                                   | .5   | .3   | .5    | .1    |       |       |       |       |       |       | 1.6        | 9.8          |
| W                      |                                      | .2   | .5   | .2    | .3    |       |       |       |       |       |       | 1.3        | 11.4         |
| WNW                    |                                      | .1   | .2   | .4    |       |       |       |       |       |       |       | .8         | 11.1         |
| NW                     |                                      | .2   | .5   | .2    | .3    | .3    |       |       |       |       |       | 1.6        | 14.3         |
| NNW                    | .1                                   | 1.2  | 1.4  | 1.3   | .2    | .2    |       |       |       |       |       | 4.4        | 10.4         |
| VARIABLE               |                                      |      |      |       |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |       |       | 28.9       | ////         |
| TOTALS                 | 1.8                                  | 24.7 | 21.7 | 17.5  | 4.2   | 1.0   | .1    | .1    |       |       |       | 100.3      | 6.7          |

TOTAL NUMBER OF OBSERVATIONS: 922

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: DEC HOURS(UST): ALL

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>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                                   | 4.7  | 4.8  | 4.2   | 1.0   | .1    | .0    |       |       |            |              | 15.1  | 9.8   |
| NNE                    | .1                                   | 2.4  | 3.5  | 4.1   | .8    | .2    | .1    | .0    |       |            |              | 11.5  | 10.8  |
| NE                     | .1                                   | 1.9  | 1.4  | 1.5   | .4    | .1    | .0    |       |       |            |              | 5.3   | 9.7   |
| ENE                    | .3                                   | 2.2  | 1.7  | 1.2   | .2    | .1    | .0    |       |       |            |              | 5.9   | 8.5   |
| E                      | .2                                   | 1.8  | 1.1  | .6    | .2    | .3    |       |       |       |            |              | 3.8   | 7.9   |
| ESE                    | .1                                   | .5   | .2   | .4    | .1    |       |       |       |       |            |              | 1.3   | 8.7   |
| SE                     | .1                                   | 1.2  | .4   | .2    | .1    |       |       |       |       |            |              | 2.0   | 7.2   |
| SSE                    | .1                                   | 1.5  | 1.0  | .8    | .3    | .0    | .0    |       |       |            |              | 3.7   | 9.2   |
| S                      | .1                                   | 1.3  | 1.8  | 1.4   | .5    | .1    | .0    |       |       |            |              | 5.0   | 10.4  |
| SSW                    | .0                                   | .9   | 1.0  | 1.8   | .5    | .1    | .0    | .0    |       |            |              | 4.3   | 11.9  |
| SW                     | .1                                   | .7   | .6   | 1.1   | .4    |       |       |       |       |            |              | 2.8   | 11.1  |
| WSW                    | .0                                   | .6   | .5   | .4    | .1    |       |       |       |       |            |              | 1.6   | 9.1   |
| W                      | .1                                   | .7   | .4   | .6    | .2    | .0    |       |       |       |            |              | 2.0   | 9.7   |
| WNW                    | .0                                   | .7   | .3   | .2    | .0    |       |       |       |       |            |              | 1.3   | 7.4   |
| NW                     | .0                                   | .6   | .5   | .6    | .2    | .1    | .0    |       |       |            |              | 2.1   | 11.1  |
| NNW                    | .0                                   | .9   | 1.4  | 2.0   | .6    | .2    | .0    | .0    |       |            |              | 5.2   | 12.1  |
| VARIABLE               | //////////////////////////////////// |      |      |       |       |       |       |       |       |            |              | 27.0  | ////  |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |            |              | 27.0  | ////  |
| TOTALS                 | 1.6                                  | 23.0 | 20.6 | 21.1  | 5.6   | 1.0   | .2    | .0    |       |            |              | 100.0 | 7.3   |

TOTAL NUMBER OF OBSERVATIONS: 7273



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: 16716C STATION NAME: HELLENIKON ABS/ATHENS GR

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

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 |            |              |
| N                      | .3                                   | 4.4  | 4.2  | 2.7   | .5    | .1    | .0    | .0    |       |       | 12.1       | 8.9          |
| NNE                    | .2                                   | 2.2  | 3.2  | 4.8   | 1.3   | .2    | .0    | .0    |       |       | 11.9       | 11.5         |
| NE                     | .1                                   | 1.2  | 1.4  | 2.1   | .5    | .1    | .0    |       |       |       | 5.5        | 11.0         |
| ENE                    | .2                                   | 1.4  | 1.7  | 1.7   | .3    | .1    | .0    | .0    |       |       | 5.4        | 9.8          |
| E                      | .2                                   | 1.1  | 1.4  | 1.5   | .3    | .0    | .0    | .0    |       |       | 4.5        | 10.2         |
| ESE                    | .1                                   | .4   | .3   | .2    | .0    | .0    |       |       |       |       | 1.0        | 8.0          |
| SE                     | .1                                   | .7   | .3   | .2    | .0    | .0    |       |       |       |       | 1.4        | 7.6          |
| SSE                    | .1                                   | 1.2  | .8   | .6    | .1    | .0    | .0    |       |       |       | 2.9        | 8.4          |
| S                      | .1                                   | 1.6  | 1.9  | 1.2   | .2    | .0    | .0    |       |       |       | 5.1        | 9.1          |
| SSW                    | .1                                   | 1.3  | 2.2  | 1.3   | .2    | .1    | .0    | .0    |       |       | 5.2        | 9.6          |
| SW                     | .1                                   | 1.2  | 1.2  | .5    | .1    | .0    |       |       |       |       | 3.0        | 8.3          |
| WSW                    | .1                                   | 1.7  | .7   | .1    | .0    |       |       |       |       |       | 2.7        | 6.4          |
| W                      | .1                                   | 2.0  | 1.0  | .3    | .0    | .0    | .0    |       |       |       | 3.5        | 6.9          |
| WNW                    | .1                                   | 1.2  | .7   | .2    | .1    | .0    |       |       |       |       | 2.3        | 7.3          |
| NW                     | .1                                   | .9   | .8   | .7    | .2    | .0    | .0    |       |       |       | 2.7        | 9.4          |
| NNW                    | .1                                   | 1.4  | 1.4  | 1.5   | .4    | .1    | .0    | .0    |       |       | 5.0        | 10.2         |
| VARIABLE               |                                      | .0   | .0   |       |       |       |       |       |       |       | .0         | 5.4          |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |       | 25.8       | ////         |
| TOTALS                 | 2.2                                  | 23.9 | 23.3 | 19.8  | 4.3   | .7    | .0    | .0    |       |       | 100.0      | 7.0          |

TOTAL NUMBER OF OBSERVATIONS: 85473

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 79-87  
 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<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |       |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 |            |              | GE 56 |
| N                      | .4                   | 2.9  | 3.6  | 5.2   | 2.1   | 1.1   |       |       |       |       |            | 15.3         | 12.1  |
| NNE                    |                      | 2.1  | 3.1  | 3.3   | 1.5   | 1.9   | .5    | .8    |       |       |            | 13.2         | 15.5  |
| NE                     | .1                   | 1.6  | .7   | 2.0   | .7    | .4    | .3    |       |       |       |            | 5.7          | 12.9  |
| ENE                    |                      | .9   | 2.3  | 1.6   | .5    | .7    | .3    | .1    |       |       |            | 6.4          | 13.2  |
| E                      |                      | .7   | .7   | 2.0   | 1.3   | .3    | .1    | .1    |       |       |            | 5.2          | 14.7  |
| ESE                    |                      | .8   | .4   | .8    | .3    | .1    |       |       |       |       |            | 2.4          | 11.1  |
| SE                     | .1                   | .3   | 1.5  | .8    | .3    |       |       |       |       |       |            | 2.9          | 10.5  |
| SSE                    | .5                   | 1.5  | 1.5  | 2.0   | .7    | .3    |       |       |       |       |            | 6.4          | 10.7  |
| S                      | .1                   | .5   | 2.4  | 3.5   | 1.5   | .8    |       |       |       |       |            | 8.8          | 13.7  |
| SSW                    |                      | .4   | 1.2  | 1.7   | .8    | .9    | .3    | .1    |       |       |            | 5.5          | 16.5  |
| SW                     |                      | .3   | .5   | .5    |       |       |       |       |       |       |            | 1.3          | 10.3  |
| WSW                    |                      | .4   | .5   | .1    |       |       |       |       |       |       |            | 1.1          | 8.1   |
| W                      |                      | .8   | .3   | .4    | .4    |       |       |       |       |       |            | 1.9          | 10.6  |
| WNN                    |                      | .4   |      | .1    | .3    | .1    |       |       |       |       |            | .9           | 12.4  |
| NW                     | .3                   | 1.2  | .4   | .8    |       | .4    |       |       |       |       |            | 2.1          | 10.2  |
| NNW                    |                      | 1.3  | .5   | .7    | .3    | .1    | .1    |       |       |       |            | 3.1          | 10.6  |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |            | 16.8         | ////  |
| TOTALS                 | 1.6                  | 16.1 | 19.5 | 25.6  | 10.5  | 7.1   | 1.6   | 1.2   |       |       |            | 100.0        | 10.8  |

TOTAL NUMBER OF OBSERVATIONS: 750

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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 HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: MELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GT<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 3.3                              | 32.8     | 33.2     | 33.2     | 33.4     | 33.4     | 33.4     | 33.4     | 33.4     | 33.4     | 33.4     | 33.4     | 33.4    | 33.4    | 33.4    | 33.4    |
| GE 20000              | 3.3                              | 35.3     | 35.7     | 35.7     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0    | 36.0    | 36.0    | 36.0    |
| GE 18000              | 3.3                              | 35.9     | 36.2     | 36.2     | 36.6     | 36.6     | 36.6     | 36.6     | 36.6     | 36.6     | 36.6     | 36.6     | 36.6    | 36.6    | 36.6    | 36.6    |
| GE 16000              | 3.3                              | 35.9     | 36.2     | 36.2     | 36.6     | 36.6     | 36.6     | 36.6     | 36.6     | 36.6     | 36.6     | 36.6     | 36.6    | 36.6    | 36.6    | 36.6    |
| GE 14000              | 3.3                              | 36.0     | 36.3     | 36.3     | 36.7     | 36.7     | 36.7     | 36.7     | 36.7     | 36.7     | 36.7     | 36.7     | 36.7    | 36.7    | 36.7    | 36.7    |
| GE 12000              | 4.3                              | 43.5     | 43.8     | 43.8     | 44.1     | 44.1     | 44.1     | 44.1     | 44.1     | 44.1     | 44.1     | 44.1     | 44.1    | 44.1    | 44.1    | 44.1    |
| GE 10000              | 4.4                              | 49.8     | 50.2     | 50.2     | 50.5     | 50.5     | 50.5     | 50.5     | 50.5     | 50.5     | 50.5     | 50.5     | 50.5    | 50.5    | 50.5    | 50.5    |
| GE 9000               | 4.4                              | 53.3     | 53.7     | 53.7     | 54.0     | 54.0     | 54.0     | 54.0     | 54.0     | 54.0     | 54.0     | 54.0     | 54.0    | 54.0    | 54.0    | 54.0    |
| GE 8000               | 4.4                              | 54.6     | 54.9     | 54.9     | 55.2     | 55.2     | 55.2     | 55.2     | 55.2     | 55.2     | 55.2     | 55.2     | 55.2    | 55.2    | 55.2    | 55.2    |
| GE 7000               | 4.4                              | 54.6     | 54.9     | 54.9     | 55.2     | 55.2     | 55.2     | 55.2     | 55.2     | 55.2     | 55.2     | 55.2     | 55.2    | 55.2    | 55.2    | 55.2    |
| GE 6000               | 4.4                              | 54.6     | 54.9     | 54.9     | 55.2     | 55.2     | 55.2     | 55.2     | 55.2     | 55.2     | 55.2     | 55.2     | 55.2    | 55.2    | 55.2    | 55.2    |
| GE 5000               | 4.4                              | 73.8     | 74.1     | 74.1     | 74.4     | 74.4     | 74.4     | 74.4     | 74.4     | 74.4     | 74.4     | 74.4     | 74.4    | 74.4    | 74.4    | 74.4    |
| GE 4500               | 4.4                              | 74.0     | 74.3     | 74.3     | 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 4000               | 4.4                              | 82.4     | 82.9     | 83.0     | 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 3500               | 4.9                              | 87.7     | 88.1     | 88.1     | 88.6     | 88.7     | 88.7     | 88.7     | 88.7     | 88.7     | 88.7     | 88.7     | 88.7    | 88.7    | 88.7    | 88.7    |
| GE 3000               | 5.0                              | 93.5     | 94.2     | 94.3     | 94.6     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7    | 94.7    | 94.7    | 94.7    |
| GE 2500               | 5.0                              | 94.8     | 95.8     | 96.4     | 96.7     | 96.8     | 96.8     | 96.8     | 96.8     | 96.8     | 96.8     | 96.8     | 96.8    | 96.8    | 96.8    | 96.8    |
| GE 2000               | 5.2                              | 96.4     | 97.4     | 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    |
| GE 1800               | 5.2                              | 96.4     | 97.4     | 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    |
| GE 1500               | 5.2                              | 96.4     | 97.4     | 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    |
| GE 1200               | 5.3                              | 97.5     | 98.5     | 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    |
| GE 1000               | 5.3                              | 97.5     | 98.5     | 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    |
| GE 900                | 5.3                              | 97.5     | 98.5     | 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    |
| GE 800                | 5.3                              | 97.5     | 98.5     | 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    |
| GE 700                | 5.3                              | 97.5     | 98.5     | 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    |
| GE 600                | 5.3                              | 97.5     | 98.5     | 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    |
| GE 500                | 5.3                              | 97.5     | 98.5     | 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    |
| GE 400                | 5.3                              | 97.5     | 98.5     | 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    |
| GE 300                | 5.3                              | 97.5     | 98.5     | 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    |
| GE 200                | 5.3                              | 97.5     | 98.5     | 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    |
| GE 100                | 5.3                              | 97.5     | 98.5     | 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    |
| GE 0                  | 5.3                              | 97.5     | 98.5     | 99.2     | 99.6     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.7    | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 921

GLOBAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: PELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GE<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>46 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>C |
| NO CEIL               | 3.6                              | 31.1     | 31.1     | 31.1     | 31.2     | 31.2     | 31.3     | 31.3     | 31.3     | 31.3     | 31.3     | 31.3     | 31.3    | 31.3    | 31.3    | 31.4    |
| GE 2000               | 3.6                              | 34.1     | 34.2     | 34.2     | 34.3     | 34.3     | 34.5     | 34.5     | 34.5     | 34.5     | 34.5     | 34.5     | 34.5    | 34.5    | 34.5    | 34.6    |
| GE 1800               | 3.6                              | 34.6     | 34.7     | 34.7     | 34.8     | 34.8     | 34.9     | 34.9     | 34.9     | 34.9     | 34.9     | 34.9     | 34.9    | 34.9    | 34.9    | 35.0    |
| GE 1600               | 3.6                              | 34.6     | 34.7     | 34.7     | 34.8     | 34.8     | 34.9     | 34.9     | 34.9     | 34.9     | 34.9     | 34.9     | 34.9    | 34.9    | 34.9    | 35.0    |
| GE 1400               | 3.6                              | 34.6     | 34.8     | 34.8     | 34.9     | 34.9     | 35.0     | 35.0     | 35.0     | 35.0     | 35.0     | 35.0     | 35.0    | 35.0    | 35.0    | 35.1    |
| GE 1200               | 5.0                              | 42.1     | 42.3     | 42.3     | 42.4     | 42.4     | 42.5     | 42.5     | 42.5     | 42.5     | 42.5     | 42.5     | 42.5    | 42.5    | 42.5    | 42.6    |
| GE 1000               | 5.3                              | 48.9     | 49.1     | 49.1     | 49.2     | 49.2     | 49.3     | 49.3     | 49.3     | 49.3     | 49.3     | 49.3     | 49.3    | 49.3    | 49.3    | 49.4    |
| GE 900                | 5.4                              | 52.8     | 53.0     | 53.0     | 53.1     | 53.1     | 53.2     | 53.2     | 53.2     | 53.2     | 53.2     | 53.2     | 53.2    | 53.2    | 53.2    | 53.4    |
| GE 800                | 5.4                              | 54.4     | 54.6     | 54.6     | 54.7     | 54.7     | 54.8     | 54.8     | 54.8     | 54.8     | 54.8     | 54.8     | 54.8    | 54.8    | 54.8    | 54.9    |
| GE 700                | 5.4                              | 54.5     | 54.7     | 54.7     | 54.8     | 54.8     | 54.9     | 54.9     | 54.9     | 54.9     | 54.9     | 54.9     | 54.9    | 54.9    | 54.9    | 55.0    |
| GE 600                | 5.4                              | 54.5     | 54.7     | 54.7     | 54.8     | 54.8     | 54.9     | 54.9     | 54.9     | 54.9     | 54.9     | 54.9     | 54.9    | 54.9    | 54.9    | 55.0    |
| GE 500                | 5.4                              | 74.4     | 74.6     | 74.6     | 74.7     | 74.7     | 74.8     | 74.8     | 74.8     | 74.8     | 74.8     | 74.8     | 74.8    | 74.8    | 74.8    | 74.9    |
| GE 450                | 5.4                              | 74.5     | 74.7     | 74.7     | 74.8     | 74.8     | 74.9     | 74.9     | 74.9     | 74.9     | 74.9     | 74.9     | 74.9    | 74.9    | 74.9    | 75.1    |
| GE 400                | 5.5                              | 82.1     | 82.3     | 82.4     | 82.7     | 82.7     | 82.8     | 82.8     | 82.8     | 82.8     | 82.8     | 82.8     | 82.8    | 82.8    | 82.8    | 82.9    |
| GE 350                | 5.6                              | 86.7     | 86.9     | 87.0     | 87.2     | 87.2     | 87.4     | 87.4     | 87.4     | 87.4     | 87.4     | 87.4     | 87.4    | 87.4    | 87.4    | 87.5    |
| GE 300                | 5.7                              | 92.3     | 92.8     | 93.5     | 93.7     | 93.7     | 93.8     | 93.8     | 93.8     | 93.8     | 93.8     | 93.8     | 93.8    | 93.8    | 93.8    | 94.0    |
| GE 250                | 5.8                              | 94.1     | 94.7     | 95.6     | 96.0     | 96.0     | 96.1     | 96.1     | 96.1     | 96.1     | 96.1     | 96.1     | 96.1    | 96.1    | 96.1    | 96.2    |
| GE 200                | 5.8                              | 95.7     | 96.4     | 97.3     | 97.7     | 97.7     | 97.8     | 97.8     | 97.8     | 97.8     | 97.8     | 97.8     | 97.8    | 97.8    | 97.8    | 98.1    |
| GE 180                | 5.8                              | 95.7     | 96.4     | 97.3     | 97.7     | 97.7     | 97.8     | 97.8     | 97.8     | 97.8     | 97.8     | 97.8     | 97.8    | 97.8    | 97.8    | 98.1    |
| GE 150                | 5.8                              | 95.9     | 96.5     | 97.4     | 97.8     | 97.8     | 97.9     | 97.9     | 97.9     | 97.9     | 97.9     | 97.9     | 97.9    | 97.9    | 98.1    | 98.2    |
| GE 120                | 5.8                              | 96.9     | 97.8     | 98.9     | 99.2     | 99.2     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.7    |
| GE 100                | 5.8                              | 96.9     | 97.8     | 98.9     | 99.2     | 99.2     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.7    |
| GE 90                 | 5.8                              | 96.9     | 97.8     | 98.9     | 99.2     | 99.2     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.7    |
| GE 80                 | 5.8                              | 96.9     | 97.8     | 98.9     | 99.2     | 99.2     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.7    |
| GE 70                 | 5.8                              | 97.0     | 97.9     | 99.0     | 99.3     | 99.3     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4    | 99.4    | 99.4    | 99.8    |
| GE 60                 | 5.8                              | 97.0     | 97.9     | 99.0     | 99.3     | 99.3     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4    | 99.4    | 99.4    | 99.8    |
| GE 50                 | 5.8                              | 97.0     | 97.9     | 99.0     | 99.3     | 99.3     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4    | 99.4    | 99.4    | 99.8    |
| GE 40                 | 5.8                              | 97.0     | 97.9     | 99.0     | 99.3     | 99.3     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4    | 99.4    | 99.4    | 99.9    |
| GE 30                 | 5.8                              | 97.0     | 97.9     | 99.0     | 99.3     | 99.3     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4    | 99.4    | 99.4    | 99.9    |
| GE 20                 | 5.8                              | 97.1     | 98.0     | 99.1     | 99.4     | 99.4     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 100.0   |
| GE 10                 | 5.8                              | 97.1     | 98.0     | 99.1     | 99.4     | 99.4     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 100.0   |
| GE C                  | 5.8                              | 97.1     | 98.0     | 99.1     | 99.4     | 99.4     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 894

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: ELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GE<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 5.0                              | 32.1     | 32.6     | 32.7     | 32.7     | 32.7     | 32.7     | 32.7     | 32.7     | 32.7     | 32.7     | 32.7     | 32.7    | 32.7    | 32.7    | 32.7    |
| GE 2000               | 5.3                              | 37.6     | 38.5     | 38.6     | 38.6     | 38.6     | 38.6     | 38.6     | 38.6     | 38.6     | 38.6     | 38.6     | 38.6    | 38.6    | 38.6    | 38.6    |
| GE 1800               | 5.5                              | 39.1     | 39.8     | 39.9     | 39.9     | 39.9     | 39.9     | 39.9     | 39.9     | 39.9     | 39.9     | 39.9     | 39.9    | 39.9    | 39.9    | 39.9    |
| GE 1600               | 5.5                              | 39.1     | 39.8     | 39.9     | 39.9     | 39.9     | 39.9     | 39.9     | 39.9     | 39.9     | 39.9     | 39.9     | 39.9    | 39.9    | 39.9    | 39.9    |
| GE 1400               | 5.5                              | 39.1     | 39.8     | 39.9     | 39.9     | 39.9     | 39.9     | 39.9     | 39.9     | 39.9     | 39.9     | 39.9     | 39.9    | 39.9    | 39.9    | 39.9    |
| GE 1200               | 7.1                              | 45.8     | 46.9     | 47.1     | 47.1     | 47.1     | 47.1     | 47.1     | 47.1     | 47.1     | 47.1     | 47.1     | 47.1    | 47.1    | 47.1    | 47.1    |
| GE 1000               | 7.1                              | 51.6     | 52.9     | 53.1     | 53.1     | 53.1     | 53.1     | 53.1     | 53.1     | 53.1     | 53.1     | 53.1     | 53.1    | 53.1    | 53.1    | 53.1    |
| GE 900                | 7.2                              | 57.2     | 58.4     | 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    |
| GE 800                | 7.2                              | 58.0     | 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    | 59.4    |
| GE 700                | 7.2                              | 58.1     | 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    |
| GE 600                | 7.2                              | 58.1     | 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    |
| GE 500                | 7.3                              | 76.1     | 77.3     | 77.5     | 77.5     | 77.5     | 77.5     | 77.5     | 77.5     | 77.5     | 77.5     | 77.5     | 77.5    | 77.5    | 77.5    | 77.5    |
| GE 450                | 7.3                              | 76.3     | 77.5     | 77.7     | 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 400                | 8.2                              | 82.6     | 83.9     | 84.2     | 84.3     | 84.3     | 84.3     | 84.3     | 84.3     | 84.3     | 84.3     | 84.3     | 84.3    | 84.3    | 84.3    | 84.4    |
| GE 350                | 8.3                              | 87.4     | 88.8     | 89.1     | 89.3     | 89.3     | 89.3     | 89.3     | 89.3     | 89.3     | 89.3     | 89.3     | 89.3    | 89.3    | 89.3    | 89.4    |
| GE 300                | 8.3                              | 92.2     | 94.1     | 94.6     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7    | 94.7    | 94.7    | 94.8    |
| GE 250                | 8.3                              | 94.3     | 96.4     | 97.3     | 97.6     | 97.6     | 97.6     | 97.6     | 97.6     | 97.6     | 97.6     | 97.6     | 97.6    | 97.6    | 97.6    | 97.7    |
| GE 200                | 8.3                              | 94.7     | 96.9     | 97.8     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1    | 98.1    | 98.2    | 98.5    |
| GE 180                | 8.3                              | 94.7     | 96.9     | 97.8     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1    | 98.2    | 98.2    | 98.5    |
| GE 150                | 8.3                              | 94.7     | 96.9     | 97.8     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1    | 98.2    | 98.2    | 98.5    |
| GE 120                | 8.3                              | 95.7     | 98.0     | 98.9     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.5    | 99.5    | 99.7    |
| GE 100                | 8.3                              | 95.7     | 98.1     | 99.0     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5    | 99.6    | 99.6    | 99.8    |
| GE 90                 | 8.3                              | 95.7     | 98.1     | 99.0     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5    | 99.6    | 99.6    | 99.8    |
| GE 80                 | 8.3                              | 95.7     | 98.1     | 99.0     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5    | 99.6    | 99.6    | 99.8    |
| GE 70                 | 8.3                              | 95.8     | 98.2     | 99.1     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.7    | 99.7    | 99.9    |
| GE 60                 | 8.3                              | 95.8     | 98.2     | 99.1     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.7    | 99.7    | 99.9    |
| GE 50                 | 8.3                              | 95.8     | 98.2     | 99.1     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.7    | 99.7    | 99.9    |
| GE 40                 | 8.3                              | 95.8     | 98.2     | 99.1     | 99.6     | 99.6     | 99.6     | 99.6     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.8    | 99.8    | 100.0   |
| GE 30                 | 8.3                              | 95.8     | 98.2     | 99.1     | 99.6     | 99.6     | 99.6     | 99.6     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.8    | 99.8    | 100.0   |
| GE 20                 | 8.3                              | 95.8     | 98.2     | 99.1     | 99.6     | 99.6     | 99.6     | 99.6     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.8    | 99.8    | 100.0   |
| GE 10                 | 8.3                              | 95.8     | 98.2     | 99.1     | 99.6     | 99.6     | 99.6     | 99.6     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.8    | 99.8    | 100.0   |
| GE                    | 8.3                              | 95.8     | 98.2     | 99.1     | 99.6     | 99.6     | 99.6     | 99.6     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.8    | 99.8    | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 912

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GT<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL.              | 6.5                              | 33.9     | 35.3     | 35.5     | 35.5     | 35.5     | 35.5     | 35.6     | 35.6     | 35.6     | 35.6     | 35.6     | 35.6    | 35.6    | 35.6    | 35.6    |
| GE 20000              | 7.2                              | 44.2     | 46.0     | 46.2     | 46.3     | 46.3     | 46.3     | 46.4     | 46.4     | 46.4     | 46.4     | 46.4     | 46.4    | 46.4    | 46.4    | 46.5    |
| GE 18000              | 7.2                              | 46.0     | 48.0     | 48.2     | 48.3     | 48.3     | 48.3     | 48.4     | 48.4     | 48.4     | 48.4     | 48.4     | 48.4    | 48.4    | 48.4    | 48.5    |
| GE 16000              | 7.2                              | 46.0     | 48.0     | 48.2     | 48.3     | 48.3     | 48.3     | 48.4     | 48.4     | 48.4     | 48.4     | 48.4     | 48.4    | 48.4    | 48.4    | 48.5    |
| GE 14000              | 7.2                              | 46.0     | 48.0     | 48.2     | 48.3     | 48.3     | 48.3     | 48.4     | 48.4     | 48.4     | 48.4     | 48.4     | 48.4    | 48.4    | 48.4    | 48.5    |
| GE 12000              | 8.9                              | 52.4     | 54.6     | 55.0     | 55.1     | 55.2     | 55.2     | 55.3     | 55.3     | 55.3     | 55.3     | 55.3     | 55.3    | 55.3    | 55.3    | 55.4    |
| GE 10000              | 8.9                              | 55.9     | 58.5     | 58.7     | 58.9     | 59.0     | 59.0     | 59.1     | 59.1     | 59.1     | 59.1     | 59.1     | 59.1    | 59.1    | 59.1    | 59.2    |
| GE 9000               | 9.1                              | 59.7     | 62.8     | 63.1     | 63.3     | 63.4     | 63.4     | 63.6     | 63.6     | 63.6     | 63.6     | 63.6     | 63.6    | 63.6    | 63.6    | 63.7    |
| GE 8000               | 9.2                              | 61.8     | 64.9     | 65.2     | 65.3     | 65.5     | 65.5     | 65.7     | 65.7     | 65.7     | 65.7     | 65.7     | 65.7    | 65.7    | 65.7    | 65.8    |
| GE 7000               | 9.2                              | 62.2     | 65.2     | 65.6     | 65.7     | 65.8     | 65.8     | 66.0     | 66.0     | 66.0     | 66.0     | 66.0     | 66.0    | 66.0    | 66.0    | 66.1    |
| GE 6000               | 9.2                              | 62.2     | 65.2     | 65.6     | 65.7     | 65.8     | 65.8     | 66.0     | 66.0     | 66.0     | 66.0     | 66.0     | 66.0    | 66.0    | 66.0    | 66.1    |
| GE 5000               | 9.2                              | 72.5     | 75.6     | 75.9     | 76.0     | 76.1     | 76.1     | 76.3     | 76.3     | 76.3     | 76.3     | 76.3     | 76.3    | 76.3    | 76.3    | 76.5    |
| GE 4500               | 9.2                              | 73.2     | 76.2     | 76.6     | 76.7     | 76.8     | 76.8     | 77.0     | 77.0     | 77.0     | 77.0     | 77.0     | 77.0    | 77.0    | 77.0    | 77.1    |
| GE 4000               | 10.3                             | 79.3     | 83.1     | 83.4     | 83.5     | 83.6     | 83.6     | 83.8     | 83.8     | 83.8     | 83.8     | 83.8     | 83.8    | 83.8    | 83.8    | 83.9    |
| GE 3500               | 10.7                             | 84.3     | 88.2     | 88.6     | 88.7     | 88.8     | 88.8     | 89.0     | 89.0     | 89.0     | 89.0     | 89.0     | 89.0    | 89.0    | 89.0    | 89.1    |
| GE 3000               | 10.9                             | 89.2     | 93.9     | 94.7     | 94.8     | 94.9     | 94.9     | 95.2     | 95.2     | 95.2     | 95.2     | 95.2     | 95.2    | 95.2    | 95.2    | 95.3    |
| GE 2500               | 11.2                             | 90.6     | 95.7     | 96.5     | 96.7     | 96.9     | 96.9     | 97.2     | 97.2     | 97.2     | 97.2     | 97.2     | 97.2    | 97.2    | 97.2    | 97.4    |
| GE 2000               | 11.3                             | 91.3     | 96.4     | 97.2     | 97.5     | 97.7     | 97.7     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0    | 98.0    | 98.0    | 98.1    |
| GE 1800               | 11.3                             | 91.3     | 96.4     | 97.2     | 97.5     | 97.8     | 97.8     | 98.2     | 98.2     | 98.2     | 98.2     | 98.2     | 98.2    | 98.2    | 98.2    | 98.3    |
| GE 1500               | 11.3                             | 91.3     | 96.4     | 97.2     | 97.5     | 97.8     | 97.8     | 98.2     | 98.2     | 98.2     | 98.2     | 98.2     | 98.2    | 98.2    | 98.2    | 98.3    |
| GE 1200               | 11.3                             | 92.3     | 97.7     | 98.8     | 99.0     | 99.3     | 99.3     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.9    |
| GE 1000               | 11.3                             | 92.3     | 97.7     | 98.8     | 99.0     | 99.3     | 99.3     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 900                | 11.3                             | 92.3     | 97.7     | 98.8     | 99.0     | 99.3     | 99.3     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 800                | 11.3                             | 92.3     | 97.7     | 98.8     | 99.0     | 99.3     | 99.3     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 700                | 11.3                             | 92.3     | 97.7     | 98.8     | 99.0     | 99.3     | 99.3     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 600                | 11.3                             | 92.3     | 97.7     | 98.8     | 99.0     | 99.3     | 99.3     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 500                | 11.3                             | 92.3     | 97.7     | 98.8     | 99.0     | 99.3     | 99.3     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 400                | 11.3                             | 92.3     | 97.7     | 98.8     | 99.0     | 99.3     | 99.3     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 300                | 11.3                             | 92.3     | 97.7     | 98.8     | 99.0     | 99.3     | 99.3     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 200                | 11.3                             | 92.3     | 97.7     | 98.8     | 99.0     | 99.3     | 99.3     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 100                | 11.3                             | 92.3     | 97.7     | 98.8     | 99.0     | 99.3     | 99.3     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 905



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | GT<br>160 | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|-----------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       |           | GE<br>90                         | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>3 |
| NO CEIL               | 6.5       | 35.0                             | 35.2     | 35.2     | 35.2     | 35.3     | 35.3     | 35.3     | 35.3     | 35.3     | 35.3     | 35.3     | 35.3    | 35.3    | 35.3    | 35.4    |
| GE 2000               | 7.9       | 45.8                             | 46.2     | 46.2     | 46.2     | 46.3     | 46.3     | 46.3     | 46.3     | 46.3     | 46.3     | 46.3     | 46.3    | 46.3    | 46.3    | 46.4    |
| GE 1800               | 7.9       | 47.7                             | 48.1     | 48.1     | 48.1     | 48.2     | 48.2     | 48.2     | 48.2     | 48.2     | 48.2     | 48.2     | 48.2    | 48.2    | 48.2    | 48.3    |
| GE 1600               | 7.9       | 47.9                             | 48.3     | 48.3     | 48.3     | 48.4     | 48.4     | 48.4     | 48.4     | 48.4     | 48.4     | 48.4     | 48.4    | 48.4    | 48.4    | 48.5    |
| GE 1400               | 7.9       | 48.1                             | 48.4     | 48.4     | 48.4     | 48.5     | 48.5     | 48.5     | 48.5     | 48.5     | 48.5     | 48.5     | 48.5    | 48.5    | 48.5    | 48.6    |
| GE 1200               | 10.5      | 55.1                             | 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    | 55.6    |
| GE 1000               | 10.6      | 58.8                             | 59.3     | 59.3     | 59.3     | 59.4     | 59.4     | 59.4     | 59.4     | 59.4     | 59.4     | 59.4     | 59.4    | 59.4    | 59.4    | 59.5    |
| GE 900                | 10.6      | 62.3                             | 62.8     | 63.1     | 63.1     | 63.3     | 63.3     | 63.3     | 63.3     | 63.3     | 63.3     | 63.3     | 63.3    | 63.3    | 63.3    | 63.4    |
| GE 800                | 10.6      | 63.6                             | 64.2     | 64.4     | 64.4     | 64.6     | 64.6     | 64.6     | 64.6     | 64.6     | 64.6     | 64.6     | 64.6    | 64.6    | 64.6    | 64.7    |
| GE 700                | 10.6      | 63.6                             | 64.2     | 64.4     | 64.4     | 64.6     | 64.6     | 64.6     | 64.6     | 64.6     | 64.6     | 64.6     | 64.6    | 64.6    | 64.6    | 64.7    |
| GE 600                | 10.6      | 63.6                             | 64.2     | 64.4     | 64.4     | 64.6     | 64.6     | 64.6     | 64.6     | 64.6     | 64.6     | 64.6     | 64.6    | 64.6    | 64.6    | 64.7    |
| GE 500                | 10.6      | 72.6                             | 72.5     | 72.9     | 72.9     | 73.1     | 73.1     | 73.1     | 73.1     | 73.1     | 73.1     | 73.1     | 73.1    | 73.1    | 73.1    | 73.2    |
| GE 450                | 10.6      | 72.6                             | 73.3     | 73.6     | 73.6     | 73.9     | 73.9     | 73.9     | 73.9     | 73.9     | 73.9     | 73.9     | 73.9    | 73.9    | 73.9    | 74.0    |
| GE 400                | 12.6      | 81.1                             | 81.9     | 82.4     | 82.4     | 82.6     | 82.6     | 82.6     | 82.6     | 82.6     | 82.6     | 82.6     | 82.6    | 82.6    | 82.6    | 82.6    |
| GE 350                | 12.8      | 87.4                             | 88.4     | 89.1     | 89.1     | 89.3     | 89.3     | 89.3     | 89.3     | 89.3     | 89.3     | 89.3     | 89.3    | 89.3    | 89.3    | 89.4    |
| GE 300                | 13.1      | 91.9                             | 93.4     | 94.5     | 94.5     | 94.6     | 94.8     | 94.8     | 94.8     | 94.8     | 94.8     | 94.8     | 94.8    | 94.8    | 94.8    | 94.9    |
| GE 250                | 13.2      | 93.5                             | 95.3     | 96.6     | 96.6     | 97.0     | 97.0     | 97.0     | 97.1     | 97.1     | 97.1     | 97.2     | 97.2    | 97.2    | 97.2    | 97.3    |
| GE 200                | 13.2      | 93.7                             | 96.0     | 97.4     | 97.4     | 98.0     | 98.0     | 98.0     | 98.1     | 98.1     | 98.1     | 98.2     | 98.2    | 98.2    | 98.2    | 98.3    |
| GE 180                | 13.2      | 93.8                             | 96.1     | 97.6     | 97.6     | 98.1     | 98.1     | 98.1     | 98.2     | 98.2     | 98.2     | 98.3     | 98.3    | 98.3    | 98.3    | 98.4    |
| GE 150                | 13.2      | 93.9                             | 96.2     | 97.8     | 97.8     | 98.3     | 98.3     | 98.3     | 98.4     | 98.4     | 98.4     | 98.6     | 98.6    | 98.6    | 98.6    | 98.7    |
| GE 120                | 13.2      | 94.3                             | 96.7     | 98.6     | 98.6     | 99.3     | 99.3     | 99.3     | 99.4     | 99.4     | 99.4     | 99.6     | 99.6    | 99.6    | 99.6    | 99.7    |
| GE 100                | 13.2      | 94.3                             | 96.7     | 98.6     | 98.6     | 99.3     | 99.3     | 99.3     | 99.4     | 99.4     | 99.4     | 99.6     | 99.6    | 99.6    | 99.6    | 99.7    |
| GE 90                 | 13.2      | 94.3                             | 96.7     | 98.6     | 98.6     | 99.3     | 99.3     | 99.3     | 99.4     | 99.4     | 99.4     | 99.6     | 99.6    | 99.6    | 99.6    | 99.7    |
| GE 80                 | 13.2      | 94.3                             | 96.7     | 98.6     | 98.6     | 99.3     | 99.3     | 99.3     | 99.4     | 99.4     | 99.4     | 99.6     | 99.6    | 99.6    | 99.6    | 99.7    |
| GE 70                 | 13.2      | 94.4                             | 96.8     | 98.8     | 98.8     | 99.6     | 99.6     | 99.6     | 99.7     | 99.7     | 99.7     | 99.8     | 99.8    | 99.8    | 99.8    | 99.9    |
| GE 60                 | 13.2      | 94.4                             | 96.8     | 98.8     | 98.8     | 99.6     | 99.6     | 99.6     | 99.7     | 99.7     | 99.7     | 99.8     | 99.8    | 99.8    | 99.8    | 99.9    |
| GE 50                 | 13.2      | 94.4                             | 96.8     | 98.8     | 98.8     | 99.6     | 99.6     | 99.6     | 99.7     | 99.7     | 99.7     | 99.8     | 99.8    | 99.8    | 99.8    | 99.9    |
| GE 40                 | 13.2      | 94.4                             | 96.8     | 98.8     | 98.8     | 99.6     | 99.6     | 99.6     | 99.7     | 99.7     | 99.7     | 99.8     | 99.8    | 99.8    | 99.8    | 99.9    |
| GE 30                 | 13.2      | 94.5                             | 96.9     | 98.9     | 98.9     | 99.7     | 99.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 20                 | 13.2      | 94.5                             | 96.9     | 98.9     | 98.9     | 99.7     | 99.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 10                 | 13.2      | 94.5                             | 96.9     | 98.9     | 98.9     | 99.7     | 99.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 0                  | 13.2      | 94.5                             | 96.9     | 98.9     | 98.9     | 99.7     | 99.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 899

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87

MONTH: JAN

HOURS(LST): 1500-1700

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | 6T<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 6.7                              | 33.7     | 33.8     | 33.8     | 33.8     | 33.8     | 33.8     | 33.8     | 33.8     | 33.8     | 33.8     | 33.9     | 33.9    | 33.9    | 33.9    | 33.9    |
| GE 2000               | 8.0                              | 44.3     | 44.6     | 44.8     | 44.8     | 44.8     | 44.8     | 44.8     | 44.8     | 44.8     | 44.8     | 44.9     | 44.9    | 44.9    | 44.9    | 44.9    |
| GE 1800               | 8.0                              | 46.5     | 46.8     | 47.0     | 47.0     | 47.0     | 47.0     | 47.0     | 47.0     | 47.0     | 47.0     | 47.1     | 47.1    | 47.1    | 47.1    | 47.1    |
| GE 1600               | 8.0                              | 46.9     | 47.2     | 47.4     | 47.4     | 47.4     | 47.4     | 47.4     | 47.4     | 47.4     | 47.4     | 47.5     | 47.5    | 47.5    | 47.5    | 47.5    |
| GE 1400               | 8.0                              | 47.1     | 47.4     | 47.7     | 47.7     | 47.7     | 47.7     | 47.7     | 47.7     | 47.7     | 47.7     | 47.8     | 47.8    | 47.8    | 47.8    | 47.8    |
| GE 1200               | 9.8                              | 54.1     | 54.6     | 54.9     | 54.9     | 54.9     | 54.9     | 54.9     | 54.9     | 54.9     | 54.9     | 55.0     | 55.0    | 55.0    | 55.0    | 55.0    |
| GE 1000               | 9.8                              | 58.0     | 58.6     | 58.8     | 58.8     | 58.8     | 58.8     | 58.8     | 58.8     | 58.8     | 58.8     | 58.9     | 58.9    | 58.9    | 58.9    | 58.9    |
| GE 900                | 9.8                              | 62.5     | 63.0     | 63.2     | 63.2     | 63.2     | 63.2     | 63.2     | 63.2     | 63.2     | 63.2     | 63.4     | 63.4    | 63.4    | 63.4    | 63.4    |
| GE 800                | 9.8                              | 62.9     | 63.5     | 63.7     | 63.7     | 63.7     | 63.7     | 63.7     | 63.7     | 63.7     | 63.7     | 63.8     | 63.8    | 63.8    | 63.8    | 63.8    |
| GE 700                | 9.8                              | 63.0     | 63.6     | 63.8     | 63.8     | 63.8     | 63.8     | 63.8     | 63.8     | 63.8     | 63.8     | 63.9     | 63.9    | 63.9    | 63.9    | 63.9    |
| GE 600                | 9.8                              | 63.0     | 63.6     | 63.8     | 63.8     | 63.8     | 63.8     | 63.8     | 63.8     | 63.8     | 63.8     | 63.9     | 63.9    | 63.9    | 63.9    | 63.9    |
| GE 500                | 9.8                              | 71.4     | 72.0     | 72.2     | 72.2     | 72.2     | 72.2     | 72.2     | 72.2     | 72.2     | 72.2     | 72.3     | 72.3    | 72.3    | 72.3    | 72.3    |
| GE 450                | 9.8                              | 71.9     | 72.4     | 72.6     | 72.6     | 72.6     | 72.6     | 72.6     | 72.6     | 72.6     | 72.6     | 72.7     | 72.7    | 72.7    | 72.7    | 72.7    |
| GE 400                | 11.6                             | 81.1     | 81.7     | 82.0     | 82.0     | 82.0     | 82.0     | 82.0     | 82.0     | 82.0     | 82.0     | 82.1     | 82.1    | 82.1    | 82.1    | 82.1    |
| GE 350                | 11.8                             | 89.7     | 90.4     | 90.7     | 90.7     | 90.7     | 90.7     | 90.7     | 90.7     | 90.7     | 90.7     | 90.8     | 90.8    | 90.8    | 90.8    | 90.8    |
| GE 300                | 11.8                             | 93.2     | 94.5     | 95.3     | 95.4     | 95.5     | 95.5     | 95.5     | 95.5     | 95.5     | 95.5     | 95.6     | 95.6    | 95.6    | 95.6    | 95.6    |
| GE 250                | 11.9                             | 94.8     | 96.3     | 97.4     | 97.6     | 97.7     | 97.7     | 97.7     | 97.7     | 97.8     | 97.8     | 97.9     | 97.9    | 97.9    | 97.9    | 97.9    |
| GE 200                | 11.9                             | 94.9     | 96.4     | 97.7     | 97.9     | 98.0     | 98.0     | 98.4     | 98.4     | 98.5     | 98.5     | 98.6     | 98.6    | 98.6    | 98.6    | 98.6    |
| GE 180                | 11.9                             | 95.0     | 96.5     | 97.9     | 98.1     | 98.3     | 98.3     | 98.6     | 98.6     | 98.7     | 98.7     | 98.8     | 98.8    | 98.8    | 98.8    | 98.8    |
| GE 150                | 11.9                             | 95.1     | 96.6     | 98.0     | 98.3     | 98.4     | 98.4     | 98.7     | 98.8     | 98.8     | 98.8     | 98.9     | 98.9    | 98.9    | 98.9    | 98.9    |
| GE 120                | 11.9                             | 95.4     | 97.1     | 98.6     | 98.9     | 99.0     | 99.0     | 99.3     | 99.3     | 99.5     | 99.5     | 99.6     | 99.6    | 99.6    | 99.6    | 99.6    |
| GE 100                | 11.9                             | 95.4     | 97.1     | 98.6     | 98.9     | 99.0     | 99.0     | 99.3     | 99.3     | 99.5     | 99.5     | 99.6     | 99.6    | 99.6    | 99.6    | 99.6    |
| GE 90                 | 11.9                             | 95.4     | 97.1     | 98.6     | 98.9     | 99.0     | 99.0     | 99.3     | 99.3     | 99.5     | 99.5     | 99.6     | 99.6    | 99.6    | 99.6    | 99.6    |
| GE 80                 | 11.9                             | 95.4     | 97.1     | 98.6     | 98.9     | 99.0     | 99.0     | 99.3     | 99.3     | 99.5     | 99.5     | 99.6     | 99.6    | 99.6    | 99.6    | 99.6    |
| GE 70                 | 11.9                             | 95.4     | 97.1     | 98.7     | 99.0     | 99.2     | 99.2     | 99.6     | 99.7     | 99.7     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 60                 | 11.9                             | 95.5     | 97.2     | 98.8     | 99.1     | 99.3     | 99.3     | 99.7     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 50                 | 11.9                             | 95.5     | 97.2     | 98.8     | 99.1     | 99.3     | 99.3     | 99.7     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 40                 | 11.9                             | 95.6     | 97.3     | 98.9     | 99.2     | 99.5     | 99.5     | 99.8     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 30                 | 11.9                             | 95.6     | 97.3     | 98.9     | 99.2     | 99.5     | 99.5     | 99.8     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 20                 | 11.9                             | 95.6     | 97.3     | 98.9     | 99.2     | 99.5     | 99.5     | 99.8     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 10                 | 11.9                             | 95.6     | 97.3     | 98.9     | 99.2     | 99.5     | 99.5     | 99.8     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 0                  | 11.9                             | 95.6     | 97.3     | 98.9     | 99.2     | 99.5     | 99.5     | 99.8     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 917

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIXON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |      |      |      |      |      |      |       |       |       |       |       |       |       |       |       |
|-----------------------|----------------------------------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                       | 160                              | 90   | 80   | 60   | 40   | 40   | 32   | 24    | 20    | 16    | 12    | 10    | 8     | 5     | 4     | 0     |
| NO CEIL               | 5.1                              | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9  | 34.9  | 34.9  | 34.9  | 34.9  | 34.9  | 34.9  | 34.9  | 34.9  |
| GE 2000               | 5.2                              | 41.0 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3  | 41.3  | 41.3  | 41.3  | 41.3  | 41.3  | 41.3  | 41.3  | 41.3  |
| GE 1800               | 5.2                              | 42.6 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0  | 43.0  | 43.0  | 43.0  | 43.0  | 43.0  | 43.0  | 43.0  | 43.0  |
| GE 1600               | 5.2                              | 43.2 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5  | 43.5  | 43.5  | 43.5  | 43.5  | 43.5  | 43.5  | 43.5  | 43.5  |
| GE 1400               | 5.2                              | 43.3 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6  | 43.6  | 43.6  | 43.6  | 43.6  | 43.6  | 43.6  | 43.6  | 43.6  |
| GE 1200               | 6.7                              | 50.3 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7  | 50.7  | 50.7  | 50.7  | 50.7  | 50.7  | 50.7  | 50.7  | 50.7  |
| GE 1000               | 7.1                              | 55.1 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5  | 55.5  | 55.5  | 55.5  | 55.5  | 55.5  | 55.5  | 55.5  | 55.5  |
| GE 900                | 7.1                              | 58.9 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6  | 59.6  | 59.6  | 59.6  | 59.6  | 59.6  | 59.6  | 59.6  | 59.6  |
| GE 800                | 7.3                              | 60.2 | 61.0 | 61.0 | 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 700                | 7.3                              | 60.3 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1  | 61.1  | 61.1  | 61.1  | 61.1  | 61.1  | 61.1  | 61.1  | 61.1  |
| GE 600                | 7.3                              | 60.3 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1  | 61.1  | 61.1  | 61.1  | 61.1  | 61.1  | 61.1  | 61.1  | 61.1  |
| GE 500                | 7.3                              | 73.0 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8  | 73.8  | 73.8  | 73.8  | 73.8  | 73.8  | 73.8  | 73.8  | 73.8  |
| GE 450                | 7.3                              | 73.1 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9  | 73.9  | 73.9  | 73.9  | 73.9  | 73.9  | 73.9  | 73.9  | 73.9  |
| GE 400                | 8.2                              | 81.9 | 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  |
| GE 350                | 8.4                              | 88.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2  | 89.2  | 89.2  | 89.2  | 89.2  | 89.2  | 89.2  | 89.2  | 89.2  |
| GE 300                | 8.4                              | 93.2 | 94.5 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  |
| GE 250                | 8.4                              | 94.3 | 95.7 | 96.1 | 96.4 | 96.4 | 96.4 | 96.4  | 96.4  | 96.4  | 96.4  | 96.4  | 96.4  | 96.4  | 96.4  | 96.4  |
| GE 200                | 8.4                              | 94.9 | 96.4 | 96.9 | 97.5 | 97.5 | 97.5 | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  |
| GE 180                | 8.4                              | 95.1 | 96.7 | 97.5 | 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 150                | 8.4                              | 95.1 | 96.7 | 97.5 | 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 120                | 8.4                              | 96.0 | 97.7 | 98.5 | 99.0 | 99.0 | 99.0 | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  |
| GE 100                | 8.4                              | 96.0 | 97.7 | 98.5 | 99.0 | 99.0 | 99.0 | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  |
| GE 90                 | 8.4                              | 96.0 | 97.7 | 98.5 | 99.0 | 99.0 | 99.0 | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  |
| GE 80                 | 8.4                              | 96.0 | 97.7 | 98.5 | 99.0 | 99.0 | 99.0 | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  |
| GE 70                 | 8.4                              | 96.3 | 98.0 | 98.8 | 99.5 | 99.5 | 99.5 | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  |
| GE 60                 | 8.4                              | 96.3 | 98.0 | 98.8 | 99.5 | 99.5 | 99.5 | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  |
| GE 50                 | 8.4                              | 96.3 | 98.0 | 98.8 | 99.5 | 99.5 | 99.5 | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  |
| GE 40                 | 8.4                              | 96.4 | 98.1 | 98.9 | 99.6 | 99.6 | 99.6 | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  |
| GE 30                 | 8.4                              | 96.4 | 98.1 | 98.9 | 99.6 | 99.6 | 99.6 | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  |
| GE 20                 | 8.4                              | 96.4 | 98.1 | 98.9 | 99.6 | 99.6 | 99.6 | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  |
| GE 10                 | 8.4                              | 96.4 | 98.1 | 98.9 | 99.6 | 99.6 | 99.6 | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  |
| GE 0                  | 8.4                              | 96.5 | 98.3 | 99.0 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 915

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 16716C STATION NAME: PELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | GT<br>160 | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |         |         |         |         |      |
|-----------------------|-----------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|------|
|                       |           | GE<br>90                         | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |      |
| NO CEIL               | 4.8       | 34.4                             | 34.5     | 34.5     | 34.5     | 34.5     | 34.5     | 34.5     | 34.5     | 34.5     | 34.5     | 34.5     | 34.5    | 34.5    | 34.5    | 34.5    | 34.5 |
| GE 2000               | 5.1       | 38.0                             | 38.1     | 38.1     | 38.1     | 38.1     | 38.1     | 38.1     | 38.1     | 38.1     | 38.1     | 38.1     | 38.1    | 38.1    | 38.1    | 38.1    | 38.1 |
| GE 1800               | 5.1       | 38.6                             | 38.7     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7    | 38.7    | 38.7    | 38.7    | 38.7 |
| GE 1600               | 5.1       | 38.6                             | 38.7     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7    | 38.7    | 38.7    | 38.7    | 38.7 |
| GE 1400               | 5.1       | 38.6                             | 38.7     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7    | 38.7    | 38.7    | 38.7    | 38.7 |
| GE 1200               | 6.2       | 43.7                             | 44.0     | 44.0     | 44.0     | 44.0     | 44.0     | 44.0     | 44.0     | 44.0     | 44.0     | 44.0     | 44.0    | 44.0    | 44.0    | 44.0    | 44.0 |
| GE 1000               | 6.2       | 49.7                             | 49.9     | 49.9     | 49.9     | 49.9     | 49.9     | 49.9     | 49.9     | 49.9     | 49.9     | 49.9     | 49.9    | 49.9    | 49.9    | 49.9    | 49.9 |
| GE 900                | 6.3       | 54.7                             | 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    | 55.1    | 55.1 |
| GE 800                | 6.3       | 57.3                             | 57.6     | 57.6     | 57.6     | 57.6     | 57.6     | 57.6     | 57.6     | 57.6     | 57.6     | 57.6     | 57.6    | 57.6    | 57.6    | 57.6    | 57.6 |
| GE 700                | 6.3       | 57.4                             | 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    | 57.7 |
| GE 600                | 6.3       | 57.4                             | 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    | 57.7 |
| GE 500                | 6.3       | 74.4                             | 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 450                | 6.3       | 74.6                             | 74.9     | 74.9     | 74.9     | 74.9     | 74.9     | 74.9     | 74.9     | 74.9     | 74.9     | 74.9     | 74.9    | 74.9    | 74.9    | 74.9    | 74.9 |
| GE 400                | 6.6       | 82.4                             | 83.0     | 83.0     | 83.0     | 83.0     | 83.0     | 83.0     | 83.0     | 83.0     | 83.0     | 83.0     | 83.0    | 83.0    | 83.0    | 83.0    | 83.0 |
| GE 350                | 6.6       | 86.6                             | 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 |
| GE 300                | 6.7       | 94.8                             | 95.6     | 95.6     | 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 250                | 6.7       | 96.0                             | 96.8     | 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 200                | 6.7       | 97.4                             | 98.2     | 98.5     | 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 |
| GE 180                | 6.7       | 97.5                             | 98.4     | 98.6     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7    | 98.7    | 98.7    | 98.7    | 98.7 |
| GE 150                | 6.7       | 97.6                             | 98.5     | 98.7     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8    | 98.8    | 98.8    | 98.8    | 98.8 |
| GE 120                | 6.7       | 98.4                             | 99.3     | 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    | 99.7 |
| GE 100                | 6.7       | 98.5                             | 99.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    | 99.8 |
| GE 90                 | 6.7       | 98.5                             | 99.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    | 99.8 |
| GE 80                 | 6.7       | 98.5                             | 99.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    | 99.8 |
| GE 70                 | 6.7       | 98.6                             | 99.6     | 99.8     | 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 |
| GE 60                 | 6.7       | 98.6                             | 99.6     | 99.8     | 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 |
| GE 50                 | 6.7       | 98.6                             | 99.6     | 99.8     | 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 |
| GE 40                 | 6.7       | 98.6                             | 99.6     | 99.8     | 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 |
| GE 30                 | 6.7       | 98.6                             | 99.6     | 99.8     | 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 |
| GE 20                 | 6.7       | 98.6                             | 99.6     | 99.8     | 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 |
| GE 10                 | 6.7       | 98.6                             | 99.6     | 99.8     | 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 |
| GE                    | CI        | 6.7                              | 98.6     | 99.6     | 99.8     | 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: 910

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87

MONTH: JAN HOURS (LST):

ALL

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GT<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 5.2                              | 33.5     | 33.8     | 33.9     | 33.9     | 33.9     | 33.9     | 33.9     | 33.9     | 33.9     | 33.9     | 33.9     | 33.9    | 33.9    | 33.9    | 34.0    |
| GE 20000              | 5.7                              | 40.1     | 40.6     | 40.6     | 40.7     | 40.7     | 40.7     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8    | 40.8    | 40.8    | 40.8    |
| GE 18000              | 5.7                              | 41.4     | 41.9     | 42.0     | 42.0     | 42.1     | 42.1     | 42.1     | 42.1     | 42.1     | 42.1     | 42.1     | 42.1    | 42.1    | 42.1    | 42.1    |
| GE 16000              | 5.7                              | 41.5     | 42.1     | 42.1     | 42.2     | 42.2     | 42.2     | 42.2     | 42.2     | 42.2     | 42.2     | 42.2     | 42.2    | 42.2    | 42.2    | 42.3    |
| GE 14000              | 5.7                              | 41.6     | 42.1     | 42.2     | 42.3     | 42.3     | 42.3     | 42.3     | 42.3     | 42.3     | 42.3     | 42.3     | 42.3    | 42.3    | 42.3    | 42.4    |
| GE 12000              | 7.3                              | 48.4     | 49.1     | 49.2     | 49.2     | 49.3     | 49.3     | 49.3     | 49.3     | 49.3     | 49.3     | 49.3     | 49.3    | 49.3    | 49.3    | 49.3    |
| GE 10000              | 7.4                              | 53.5     | 54.2     | 54.3     | 54.4     | 54.4     | 54.4     | 54.5     | 54.5     | 54.5     | 54.5     | 54.5     | 54.5    | 54.5    | 54.5    | 54.5    |
| GE 9000               | 7.5                              | 57.7     | 58.6     | 58.7     | 58.8     | 58.8     | 58.8     | 58.8     | 58.8     | 58.8     | 58.9     | 58.9     | 58.9    | 58.9    | 58.9    | 58.9    |
| GE 8000               | 7.5                              | 59.1     | 60.0     | 60.1     | 60.2     | 60.2     | 60.3     | 60.3     | 60.3     | 60.3     | 60.3     | 60.3     | 60.3    | 60.3    | 60.3    | 60.3    |
| GE 7000               | 7.5                              | 59.2     | 60.1     | 60.2     | 60.3     | 60.3     | 60.3     | 60.4     | 60.4     | 60.4     | 60.4     | 60.4     | 60.4    | 60.4    | 60.4    | 60.4    |
| GE 6000               | 7.5                              | 59.2     | 60.1     | 60.2     | 60.3     | 60.3     | 60.3     | 60.4     | 60.4     | 60.4     | 60.4     | 60.4     | 60.4    | 60.4    | 60.4    | 60.4    |
| GE 5000               | 7.5                              | 73.4     | 74.3     | 74.5     | 74.5     | 74.6     | 74.6     | 74.6     | 74.6     | 74.6     | 74.6     | 74.6     | 74.6    | 74.6    | 74.6    | 74.7    |
| GE 4500               | 7.5                              | 73.8     | 74.7     | 74.8     | 74.9     | 74.9     | 74.9     | 75.0     | 75.0     | 75.0     | 75.0     | 75.0     | 75.0    | 75.0    | 75.0    | 75.0    |
| GE 4000               | 8.5                              | 81.6     | 82.7     | 82.9     | 83.0     | 83.0     | 83.0     | 83.1     | 83.1     | 83.1     | 83.1     | 83.1     | 83.1    | 83.1    | 83.1    | 83.1    |
| GE 3500               | 8.6                              | 87.3     | 88.4     | 88.6     | 88.7     | 88.8     | 88.8     | 88.8     | 88.8     | 88.8     | 88.9     | 88.9     | 88.9    | 88.9    | 88.9    | 88.9    |
| GE 3000               | 8.8                              | 92.6     | 94.2     | 94.7     | 94.8     | 94.8     | 94.9     | 94.9     | 94.9     | 94.9     | 94.9     | 94.9     | 94.9    | 94.9    | 94.9    | 95.0    |
| GE 2500               | 8.8                              | 94.1     | 95.9     | 96.6     | 96.8     | 96.9     | 96.9     | 97.0     | 97.0     | 97.0     | 97.0     | 97.0     | 97.0    | 97.0    | 97.0    | 97.1    |
| GE 2000               | 8.9                              | 94.9     | 96.8     | 97.6     | 97.9     | 98.0     | 98.0     | 98.1     | 98.1     | 98.1     | 98.1     | 98.2     | 98.2    | 98.2    | 98.2    | 98.3    |
| GE 1800               | 8.9                              | 94.9     | 96.8     | 97.7     | 98.0     | 98.1     | 98.2     | 98.3     | 98.3     | 98.3     | 98.3     | 98.3     | 98.3    | 98.3    | 98.3    | 98.4    |
| GE 1500               | 8.9                              | 95.0     | 96.9     | 97.8     | 98.1     | 98.2     | 98.2     | 98.3     | 98.4     | 98.4     | 98.4     | 98.4     | 98.4    | 98.4    | 98.5    | 98.5    |
| GE 1200               | 8.9                              | 95.8     | 97.8     | 98.9     | 99.2     | 99.3     | 99.3     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5    | 99.6    | 99.6    | 99.7    |
| GE 1000               | 8.9                              | 95.8     | 97.9     | 98.9     | 99.2     | 99.4     | 99.4     | 99.5     | 99.5     | 99.5     | 99.5     | 99.6     | 99.6    | 99.6    | 99.6    | 99.7    |
| GE 900                | 8.9                              | 95.8     | 97.9     | 98.9     | 99.2     | 99.4     | 99.4     | 99.5     | 99.5     | 99.5     | 99.5     | 99.6     | 99.6    | 99.6    | 99.6    | 99.7    |
| GE 800                | 8.9                              | 95.8     | 97.9     | 98.9     | 99.2     | 99.4     | 99.4     | 99.5     | 99.5     | 99.5     | 99.5     | 99.6     | 99.6    | 99.6    | 99.6    | 99.7    |
| GE 700                | 8.9                              | 95.9     | 98.0     | 99.0     | 99.3     | 99.5     | 99.5     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.8    | 99.8    | 99.8    | 99.9    |
| GE 600                | 8.9                              | 95.9     | 98.0     | 99.0     | 99.4     | 99.5     | 99.5     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.8    | 99.8    | 99.8    | 99.9    |
| GE 500                | 8.9                              | 95.9     | 98.0     | 99.0     | 99.4     | 99.5     | 99.5     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.8    | 99.8    | 99.8    | 99.9    |
| GE 400                | 8.9                              | 96.0     | 98.0     | 99.1     | 99.4     | 99.5     | 99.6     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 100.0   |
| GE 300                | 8.9                              | 96.0     | 98.0     | 99.1     | 99.4     | 99.6     | 99.6     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.9    | 100.0   |
| GE 200                | 8.9                              | 96.0     | 98.0     | 99.1     | 99.4     | 99.6     | 99.6     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.9    | 99.9    | 100.0   |
| GE 100                | 8.9                              | 96.0     | 98.0     | 99.1     | 99.4     | 99.6     | 99.6     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.9    | 99.9    | 100.0   |
| GE -1                 | 8.9                              | 96.0     | 98.0     | 99.1     | 99.4     | 99.6     | 99.6     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.9    | 99.9    | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 7267

GLOBAL CLIMATOLOGY BRANCH  
 USAF/JAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 16716C STATION NAME: HELLENIKON ABS/ATHENS GH

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GE<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 2.7                              | 33.1     | 33.6     | 33.6     | 33.6     | 33.6     | 33.6     | 33.6     | 33.6     | 33.6     | 33.6     | 33.6     | 33.6    | 33.6    | 33.6    | 33.6    |
| GE 20000              | 2.9                              | 37.5     | 38.3     | 38.3     | 38.3     | 38.3     | 38.3     | 38.3     | 38.3     | 38.3     | 38.3     | 38.3     | 38.3    | 38.3    | 38.3    | 38.3    |
| GE 18000              | 2.9                              | 38.0     | 38.8     | 38.8     | 38.8     | 38.8     | 38.8     | 38.8     | 38.8     | 38.8     | 38.8     | 38.8     | 38.8    | 38.8    | 38.8    | 38.8    |
| GE 16000              | 2.9                              | 38.0     | 38.8     | 38.8     | 38.8     | 38.8     | 38.8     | 38.8     | 38.8     | 38.8     | 38.8     | 38.8     | 38.8    | 38.8    | 38.8    | 38.8    |
| GE 14000              | 2.9                              | 38.2     | 38.9     | 38.9     | 38.9     | 38.9     | 38.9     | 38.9     | 38.9     | 38.9     | 38.9     | 38.9     | 38.9    | 38.9    | 38.9    | 38.9    |
| GE 12000              | 3.1                              | 43.7     | 44.6     | 44.6     | 44.7     | 44.7     | 44.7     | 44.7     | 44.7     | 44.7     | 44.7     | 44.7     | 44.7    | 44.7    | 44.7    | 44.7    |
| GE 10000              | 3.2                              | 51.9     | 52.8     | 52.8     | 52.9     | 52.9     | 52.9     | 52.9     | 52.9     | 52.9     | 52.9     | 52.9     | 52.9    | 52.9    | 52.9    | 52.9    |
| GE 9000               | 3.2                              | 57.4     | 58.2     | 58.2     | 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 8000               | 3.2                              | 59.0     | 59.9     | 59.9     | 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 7000               | 3.2                              | 59.0     | 59.9     | 59.9     | 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               | 3.2                              | 59.0     | 59.9     | 59.9     | 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 5000               | 3.2                              | 71.9     | 72.7     | 72.7     | 73.0     | 73.0     | 73.0     | 73.0     | 73.0     | 73.0     | 73.0     | 73.0     | 73.0    | 73.0    | 73.0    | 73.0    |
| GE 4500               | 3.2                              | 72.4     | 73.2     | 73.2     | 73.5     | 73.5     | 73.5     | 73.5     | 73.5     | 73.5     | 73.5     | 73.5     | 73.5    | 73.5    | 73.5    | 73.5    |
| GE 4000               | 3.3                              | 83.6     | 84.6     | 84.6     | 84.9     | 84.9     | 84.9     | 84.9     | 84.9     | 84.9     | 84.9     | 84.9     | 84.9    | 84.9    | 84.9    | 84.9    |
| GE 3500               | 3.3                              | 88.4     | 89.3     | 89.3     | 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 3000               | 3.3                              | 93.2     | 94.2     | 94.4     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7    | 94.7    | 94.7    | 94.7    |
| GE 2500               | 3.3                              | 94.7     | 95.7     | 96.4     | 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 2000               | 3.3                              | 95.2     | 96.3     | 97.4     | 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 1800               | 3.3                              | 95.3     | 96.4     | 97.5     | 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 1500               | 3.3                              | 95.5     | 96.7     | 97.8     | 98.0     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1    | 98.1    | 98.1    | 98.1    |
| GE 1200               | 3.3                              | 96.4     | 97.5     | 98.8     | 99.1     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.3    |
| GE 1000               | 3.3                              | 96.4     | 97.5     | 98.8     | 99.1     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.3    |
| GE 900                | 3.3                              | 96.4     | 97.5     | 98.8     | 99.1     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4    | 99.4    | 99.4    | 99.4    |
| GE 800                | 3.3                              | 96.7     | 97.8     | 99.0     | 99.4     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.6    |
| GE 600                | 3.3                              | 96.7     | 97.8     | 99.0     | 99.4     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.6    |
| GE 500                | 3.3                              | 96.7     | 97.8     | 99.0     | 99.4     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.6    |
| GE 400                | 3.3                              | 96.7     | 97.9     | 99.1     | 99.5     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 300                | 3.3                              | 96.7     | 97.9     | 99.1     | 99.5     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 200                | 3.3                              | 96.7     | 97.9     | 99.1     | 99.5     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 100                | 3.3                              | 96.7     | 97.9     | 99.1     | 99.5     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 0                  | 3.3                              | 96.7     | 97.9     | 99.1     | 99.5     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 807

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GT<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 1.7                              | 28.7     | 30.2     | 30.4     | 30.4     | 30.4     | 30.4     | 30.4     | 30.4     | 30.4     | 30.4     | 30.4     | 30.4    | 30.4    | 30.4    | 30.4    |
| GE 20000              | 1.9                              | 33.3     | 35.3     | 35.7     | 35.7     | 35.7     | 35.7     | 35.7     | 35.7     | 35.7     | 35.7     | 35.7     | 35.7    | 35.7    | 35.7    | 35.7    |
| GE 18000              | 1.9                              | 34.7     | 36.7     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2    | 37.2    | 37.2    | 37.2    |
| GE 16000              | 1.9                              | 34.7     | 36.7     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2    | 37.2    | 37.2    | 37.2    |
| GE 14000              | 1.9                              | 34.7     | 36.7     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2    | 37.2    | 37.2    | 37.2    |
| GE 12000              | 2.7                              | 42.1     | 44.2     | 44.7     | 44.7     | 44.7     | 44.7     | 44.7     | 44.7     | 44.7     | 44.7     | 44.7     | 44.7    | 44.7    | 44.7    | 44.7    |
| GE 10000              | 2.7                              | 49.1     | 51.4     | 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    |
| GE 9000               | 2.9                              | 56.9     | 59.2     | 59.7     | 59.7     | 59.7     | 59.7     | 59.7     | 59.7     | 59.7     | 59.7     | 59.7     | 59.7    | 59.7    | 59.7    | 59.7    |
| GE 8000               | 2.9                              | 57.6     | 60.0     | 60.5     | 60.5     | 60.5     | 60.5     | 60.5     | 60.5     | 60.5     | 60.5     | 60.5     | 60.5    | 60.5    | 60.5    | 60.5    |
| GE 7000               | 2.9                              | 57.6     | 60.0     | 60.5     | 60.5     | 60.5     | 60.5     | 60.5     | 60.5     | 60.5     | 60.5     | 60.5     | 60.5    | 60.5    | 60.5    | 60.5    |
| GE 6000               | 2.9                              | 57.6     | 60.0     | 60.5     | 60.5     | 60.5     | 60.5     | 60.5     | 60.5     | 60.5     | 60.5     | 60.5     | 60.5    | 60.5    | 60.5    | 60.5    |
| GE 5000               | 3.0                              | 72.2     | 74.6     | 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    |
| GE 4500               | 3.0                              | 72.6     | 75.0     | 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    |
| GE 4000               | 3.0                              | 81.8     | 84.1     | 84.6     | 84.6     | 84.6     | 84.6     | 84.6     | 84.6     | 84.6     | 84.6     | 84.6     | 84.6    | 84.6    | 84.6    | 84.6    |
| GE 3500               | 3.0                              | 87.4     | 89.7     | 90.6     | 90.6     | 90.6     | 90.6     | 90.6     | 90.6     | 90.6     | 90.6     | 90.6     | 90.6    | 90.6    | 90.6    | 90.6    |
| GE 3000               | 3.0                              | 92.9     | 95.8     | 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 2500               | 3.0                              | 94.3     | 97.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1    | 98.1    | 98.1    | 98.1    |
| GE 2000               | 3.0                              | 94.4     | 97.5     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9    | 98.9    | 98.9    | 98.9    |
| GE 1800               | 3.0                              | 94.4     | 97.5     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9    | 98.9    | 98.9    | 98.9    |
| GE 1500               | 3.0                              | 94.7     | 97.8     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1    | 99.1    | 99.1    | 99.1    |
| GE 1200               | 3.0                              | 95.2     | 98.3     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 1000               | 3.0                              | 95.2     | 98.3     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 900                | 3.0                              | 95.2     | 98.3     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 800                | 3.0                              | 95.3     | 98.4     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 700                | 3.0                              | 95.3     | 98.4     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 600                | 3.0                              | 95.3     | 98.4     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 500                | 3.0                              | 95.3     | 98.4     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 400                | 3.0                              | 95.3     | 98.4     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 300                | 3.0                              | 95.3     | 98.4     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 200                | 3.0                              | 95.3     | 98.4     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 100                | 3.0                              | 95.3     | 98.4     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE                    | 3.0                              | 95.3     | 98.4     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 807

GLOBAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 16716C STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GE<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>G |
| NO CEIL               | 1.9                              | 27.1     | 28.3     | 28.7     | 28.7     | 28.7     | 28.7     | 28.7     | 28.7     | 28.7     | 28.7     | 28.7     | 28.7    | 28.7    | 28.7    | 28.7    |
| GE 20000              | 2.5                              | 33.6     | 35.1     | 35.6     | 35.6     | 35.6     | 35.6     | 35.6     | 35.6     | 35.6     | 35.6     | 35.6     | 35.6    | 35.6    | 35.6    | 35.6    |
| GE 18000              | 2.5                              | 34.7     | 36.6     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2    | 37.2    | 37.2    | 37.2    |
| GE 16000              | 2.5                              | 34.7     | 36.6     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2    | 37.2    | 37.2    | 37.2    |
| GE 14000              | 2.5                              | 34.7     | 36.6     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2    | 37.2    | 37.2    | 37.2    |
| GE 12000              | 3.1                              | 42.7     | 44.7     | 45.3     | 45.3     | 45.3     | 45.3     | 45.3     | 45.3     | 45.3     | 45.3     | 45.3     | 45.3    | 45.3    | 45.3    | 45.3    |
| GE 10000              | 3.4                              | 51.3     | 53.3     | 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    |
| GE 9000               | 3.4                              | 56.9     | 58.9     | 59.6     | 59.6     | 59.6     | 59.6     | 59.6     | 59.6     | 59.6     | 59.6     | 59.6     | 59.6    | 59.6    | 59.6    | 59.6    |
| GE 8000               | 3.4                              | 58.3     | 60.3     | 60.9     | 60.9     | 60.9     | 60.9     | 60.9     | 60.9     | 60.9     | 60.9     | 60.9     | 60.9    | 60.9    | 60.9    | 60.9    |
| GE 7000               | 3.4                              | 58.4     | 60.4     | 61.0     | 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 6000               | 3.4                              | 58.4     | 60.4     | 61.0     | 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 5000               | 3.4                              | 71.8     | 73.8     | 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    |
| GE 4500               | 3.4                              | 71.9     | 73.9     | 74.5     | 74.5     | 74.5     | 74.5     | 74.5     | 74.5     | 74.5     | 74.5     | 74.5     | 74.5    | 74.5    | 74.5    | 74.5    |
| GE 4000               | 4.0                              | 80.8     | 83.1     | 83.8     | 83.8     | 83.8     | 83.8     | 83.8     | 83.8     | 83.8     | 83.8     | 83.8     | 83.8    | 83.8    | 83.8    | 83.9    |
| GE 3500               | 4.0                              | 87.1     | 89.5     | 90.4     | 90.4     | 90.4     | 90.4     | 90.4     | 90.4     | 90.4     | 90.4     | 90.4     | 90.4    | 90.4    | 90.4    | 90.5    |
| GE 3000               | 4.1                              | 92.1     | 94.5     | 95.4     | 95.4     | 95.4     | 95.4     | 95.4     | 95.4     | 95.4     | 95.4     | 95.4     | 95.4    | 95.4    | 95.4    | 95.5    |
| GE 2500               | 4.1                              | 93.4     | 95.9     | 96.8     | 96.8     | 96.8     | 96.8     | 96.8     | 96.8     | 96.8     | 96.8     | 96.8     | 96.8    | 96.8    | 96.8    | 96.9    |
| GE 2000               | 4.2                              | 94.6     | 97.1     | 98.3     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6    | 98.6    | 98.6    | 98.8    |
| GE 1800               | 4.2                              | 94.6     | 97.1     | 98.3     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6    | 98.6    | 98.6    | 98.8    |
| GE 1500               | 4.2                              | 94.6     | 97.1     | 98.3     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6    | 98.6    | 98.6    | 98.8    |
| GE 1200               | 4.2                              | 95.3     | 97.9     | 99.0     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4    | 99.4    | 99.4    | 99.5    |
| GE 1000               | 4.2                              | 95.3     | 97.9     | 99.0     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4    | 99.4    | 99.4    | 99.5    |
| GE 900                | 4.2                              | 95.3     | 97.9     | 99.0     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4    | 99.4    | 99.4    | 99.5    |
| GE 800                | 4.2                              | 95.3     | 97.9     | 99.0     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4    | 99.4    | 99.4    | 99.5    |
| GE 700                | 4.2                              | 95.4     | 98.0     | 99.3     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.8    |
| GE 600                | 4.2                              | 95.4     | 98.0     | 99.3     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.8    |
| GE 500                | 4.2                              | 95.4     | 98.0     | 99.3     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.8    |
| GE 400                | 4.2                              | 95.4     | 98.0     | 99.3     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.8    |
| GE 300                | 4.2                              | 95.4     | 98.0     | 99.3     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.8    |
| GE 200                | 4.2                              | 95.4     | 98.0     | 99.3     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.8    |
| GE 100                | 4.2                              | 95.4     | 98.0     | 99.3     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.8    |
| GE                    | 4.2                              | 95.4     | 98.0     | 99.3     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.8    |

TOTAL NUMBER OF OBSERVATIONS: 801



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 16716C STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |      |      |      |      |      |      |      |      |      |      |      |      |       |       |       |
|-----------------------|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
|                       | 160                              | 90   | 80   | 60   | 48   | 40   | 32   | 24   | 20   | 16   | 12   | 10   | 8    | 5     | 4     | 0     |
| NO CEIL               | 3.0                              | 27.7 | 29.6 | 30.5 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.7  | 30.7  | 30.7  |
| GE 2000               | 3.8                              | 36.9 | 39.1 | 40.0 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.2  | 40.2  | 40.2  |
| GE 1800               | 3.8                              | 39.8 | 42.3 | 43.3 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.6  | 43.6  | 43.6  |
| GE 1600               | 3.8                              | 39.8 | 42.3 | 43.3 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.6  | 43.6  | 43.6  |
| GE 1400               | 3.8                              | 40.4 | 43.5 | 44.0 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.2  | 44.2  | 44.2  |
| GE 1200               | 4.9                              | 46.4 | 49.0 | 50.4 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.6  | 50.6  | 50.6  |
| GE 1000               | 4.9                              | 51.5 | 54.1 | 55.4 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.7  | 55.7  | 55.7  |
| GE 900                | 4.9                              | 55.7 | 58.3 | 59.9 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.1  | 60.1  | 60.1  |
| GE 800                | 4.9                              | 57.5 | 60.4 | 62.1 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.5 | 62.5 | 62.5 | 62.5 | 62.6  | 62.6  | 62.6  |
| GE 700                | 5.1                              | 58.0 | 60.9 | 62.6 | 62.8 | 62.8 | 62.8 | 62.8 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.1  | 63.1  | 63.1  |
| GE 600                | 5.1                              | 58.0 | 60.9 | 62.6 | 62.8 | 62.8 | 62.8 | 62.8 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.1  | 63.1  | 63.1  |
| GE 500                | 5.1                              | 67.7 | 70.5 | 72.2 | 72.5 | 72.5 | 72.5 | 72.5 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.7  | 72.7  | 72.7  |
| GE 450                | 5.1                              | 68.3 | 71.1 | 72.8 | 73.1 | 73.1 | 73.1 | 73.1 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.3  | 73.3  | 73.3  |
| GE 400                | 5.6                              | 77.5 | 81.1 | 82.8 | 83.2 | 83.2 | 83.2 | 83.2 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.5  | 83.5  | 83.5  |
| GE 350                | 5.7                              | 82.1 | 85.9 | 87.8 | 88.1 | 88.1 | 88.1 | 88.1 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.4  | 88.4  | 88.4  |
| GE 300                | 5.9                              | 86.2 | 90.9 | 93.0 | 93.3 | 93.5 | 93.5 | 93.6 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.8  | 93.8  | 93.8  |
| GE 250                | 5.9                              | 87.9 | 92.7 | 95.1 | 95.4 | 95.8 | 95.8 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.2  | 96.2  | 96.2  |
| GE 200                | 5.9                              | 88.8 | 93.7 | 96.2 | 96.8 | 97.4 | 97.4 | 97.5 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.8  | 97.8  | 97.8  |
| GE 180                | 5.9                              | 88.9 | 93.8 | 96.3 | 96.9 | 97.5 | 97.5 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.9  | 97.9  | 97.9  |
| GE 150                | 5.9                              | 88.9 | 93.8 | 96.4 | 97.0 | 97.7 | 97.7 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 98.0  | 98.0  | 98.0  |
| GE 120                | 5.9                              | 89.3 | 94.3 | 97.3 | 98.0 | 98.6 | 98.6 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0  | 99.0  | 99.0  |
| GE 100                | 5.9                              | 89.3 | 94.3 | 97.3 | 98.0 | 98.6 | 98.6 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0  | 99.0  | 99.0  |
| GE 90                 | 5.9                              | 89.3 | 94.3 | 97.3 | 98.0 | 98.6 | 98.6 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0  | 99.0  | 99.0  |
| GE 80                 | 5.9                              | 89.3 | 94.3 | 97.3 | 98.0 | 98.6 | 98.6 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0  | 99.0  | 99.0  |
| GE 70                 | 5.9                              | 89.4 | 94.4 | 97.5 | 98.4 | 99.1 | 99.1 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8  | 99.8  | 99.8  |
| GE 60                 | 5.9                              | 89.4 | 94.4 | 97.5 | 98.4 | 99.1 | 99.1 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8  | 99.8  | 99.8  |
| GE 50                 | 5.9                              | 89.4 | 94.4 | 97.5 | 98.4 | 99.1 | 99.1 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8  | 99.8  | 99.8  |
| GE 40                 | 5.9                              | 89.4 | 94.4 | 97.5 | 98.4 | 99.3 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9  | 99.9  | 99.9  |
| GE 30                 | 5.9                              | 89.4 | 94.4 | 97.5 | 98.4 | 99.3 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9  | 99.9  | 99.9  |
| GE 20                 | 5.9                              | 89.4 | 94.4 | 97.5 | 98.5 | 99.4 | 99.4 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| GE 10                 | 5.9                              | 89.4 | 94.4 | 97.5 | 98.5 | 99.4 | 99.4 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| GE                    | 5.9                              | 89.4 | 94.4 | 97.5 | 98.5 | 99.4 | 99.4 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 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 HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GE<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>9 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 5.3                              | 32.7     | 33.0     | 33.1     | 33.1     | 33.1     | 33.1     | 33.1     | 33.1     | 33.2     | 33.2     | 33.3     | 33.3    | 33.3    | 33.3    | 33.3    |
| GE 20000              | 5.7                              | 43.1     | 43.5     | 43.6     | 43.6     | 43.6     | 43.6     | 43.6     | 43.6     | 43.7     | 43.7     | 43.9     | 43.9    | 43.9    | 43.9    | 43.9    |
| GE 18000              | 5.7                              | 45.0     | 45.4     | 45.5     | 45.5     | 45.5     | 45.5     | 45.5     | 45.5     | 45.6     | 45.7     | 45.7     | 45.7    | 45.7    | 45.7    | 45.7    |
| GE 16000              | 5.7                              | 45.6     | 46.0     | 46.1     | 46.1     | 46.1     | 46.1     | 46.1     | 46.1     | 46.2     | 46.2     | 46.3     | 46.3    | 46.3    | 46.3    | 46.3    |
| GE 14000              | 5.7                              | 45.8     | 46.2     | 46.3     | 46.3     | 46.3     | 46.3     | 46.3     | 46.3     | 46.5     | 46.5     | 46.6     | 46.6    | 46.6    | 46.6    | 46.6    |
| GE 12000              | 7.1                              | 51.8     | 52.2     | 52.4     | 52.4     | 52.4     | 52.4     | 52.4     | 52.4     | 52.5     | 52.5     | 52.7     | 52.7    | 52.7    | 52.7    | 52.7    |
| GE 10000              | 7.1                              | 57.1     | 57.5     | 58.1     | 58.1     | 58.1     | 58.1     | 58.1     | 58.1     | 58.2     | 58.2     | 58.4     | 58.4    | 58.4    | 58.4    | 58.4    |
| GE 9000               | 7.1                              | 60.3     | 60.8     | 61.6     | 61.6     | 61.6     | 61.6     | 61.7     | 61.7     | 61.8     | 61.8     | 62.0     | 62.0    | 62.0    | 62.0    | 62.0    |
| GE 8000               | 7.1                              | 61.3     | 61.8     | 62.6     | 62.6     | 62.6     | 62.6     | 62.8     | 62.8     | 62.9     | 62.9     | 63.1     | 63.1    | 63.1    | 63.1    | 63.1    |
| GE 7000               | 7.1                              | 61.6     | 62.2     | 62.9     | 62.9     | 62.9     | 62.9     | 63.2     | 63.2     | 63.3     | 63.3     | 63.4     | 63.4    | 63.4    | 63.4    | 63.4    |
| GE 6000               | 7.1                              | 61.6     | 62.2     | 62.9     | 62.9     | 62.9     | 62.9     | 63.2     | 63.2     | 63.3     | 63.3     | 63.4     | 63.4    | 63.4    | 63.4    | 63.4    |
| GE 5000               | 7.1                              | 68.9     | 69.5     | 70.3     | 70.3     | 70.3     | 70.3     | 70.5     | 70.5     | 70.6     | 70.6     | 70.8     | 70.8    | 70.8    | 70.8    | 70.8    |
| GE 4500               | 7.1                              | 69.4     | 70.0     | 70.8     | 70.8     | 70.8     | 70.8     | 71.0     | 71.0     | 71.1     | 71.1     | 71.3     | 71.3    | 71.3    | 71.3    | 71.3    |
| GE 4000               | 8.3                              | 79.2     | 80.0     | 81.0     | 81.0     | 81.2     | 81.2     | 81.4     | 81.4     | 81.5     | 81.5     | 81.7     | 81.7    | 81.7    | 81.7    | 81.7    |
| GE 3500               | 8.3                              | 84.9     | 86.0     | 87.4     | 87.4     | 87.5     | 87.5     | 87.7     | 87.7     | 87.9     | 87.9     | 88.0     | 88.0    | 88.0    | 88.0    | 88.0    |
| GE 3000               | 8.4                              | 89.7     | 91.3     | 92.7     | 92.8     | 92.9     | 92.9     | 93.2     | 93.2     | 93.3     | 93.3     | 93.4     | 93.4    | 93.4    | 93.4    | 93.4    |
| GE 2500               | 8.4                              | 91.1     | 92.9     | 94.8     | 94.9     | 95.2     | 95.2     | 95.5     | 95.5     | 95.7     | 95.7     | 95.8     | 95.8    | 95.8    | 95.8    | 95.8    |
| GE 2000               | 8.4                              | 91.9     | 93.8     | 96.0     | 96.4     | 96.8     | 96.8     | 97.1     | 97.3     | 97.4     | 97.4     | 97.5     | 97.5    | 97.6    | 97.6    | 97.6    |
| GE 1800               | 8.4                              | 91.9     | 93.8     | 96.0     | 96.4     | 96.8     | 96.8     | 97.1     | 97.3     | 97.4     | 97.4     | 97.5     | 97.5    | 97.6    | 97.6    | 97.6    |
| GE 1500               | 8.4                              | 92.2     | 94.1     | 96.3     | 96.8     | 97.1     | 97.1     | 97.8     | 97.9     | 98.0     | 98.0     | 98.1     | 98.1    | 98.3    | 98.3    | 98.3    |
| GE 1200               | 8.4                              | 92.9     | 94.8     | 97.1     | 97.6     | 98.1     | 98.1     | 98.8     | 98.9     | 99.0     | 99.0     | 99.1     | 99.1    | 99.3    | 99.3    | 99.3    |
| GE 1000               | 8.4                              | 92.9     | 94.8     | 97.1     | 97.6     | 98.1     | 98.1     | 98.8     | 98.9     | 99.0     | 99.0     | 99.1     | 99.1    | 99.3    | 99.3    | 99.3    |
| GE 800                | 8.4                              | 92.9     | 94.8     | 97.1     | 97.6     | 98.1     | 98.1     | 98.8     | 98.9     | 99.0     | 99.0     | 99.1     | 99.1    | 99.3    | 99.3    | 99.3    |
| GE 700                | 8.4                              | 93.1     | 95.0     | 97.6     | 98.1     | 98.6     | 98.8     | 99.4     | 99.5     | 99.6     | 99.6     | 99.8     | 99.8    | 100.0   | 100.0   | 100.0   |
| GE 600                | 8.4                              | 93.1     | 95.0     | 97.6     | 98.1     | 98.8     | 98.8     | 99.4     | 99.5     | 99.6     | 99.6     | 99.8     | 99.8    | 100.0   | 100.0   | 100.0   |
| GE 500                | 8.4                              | 93.1     | 95.0     | 97.6     | 98.1     | 98.8     | 98.8     | 99.4     | 99.5     | 99.6     | 99.6     | 99.8     | 99.8    | 100.0   | 100.0   | 100.0   |
| GE 400                | 8.4                              | 93.1     | 95.0     | 97.6     | 98.1     | 98.8     | 98.8     | 99.4     | 99.5     | 99.6     | 99.6     | 99.8     | 99.8    | 100.0   | 100.0   | 100.0   |
| GE 300                | 8.4                              | 93.1     | 95.0     | 97.6     | 98.1     | 98.8     | 98.8     | 99.4     | 99.5     | 99.6     | 99.6     | 99.8     | 99.8    | 100.0   | 100.0   | 100.0   |
| GE 200                | 8.4                              | 93.1     | 95.0     | 97.6     | 98.1     | 98.8     | 98.8     | 99.4     | 99.5     | 99.6     | 99.6     | 99.8     | 99.8    | 100.0   | 100.0   | 100.0   |
| GE 100                | 8.4                              | 93.1     | 95.0     | 97.6     | 98.1     | 98.8     | 98.8     | 99.4     | 99.5     | 99.6     | 99.6     | 99.8     | 99.8    | 100.0   | 100.0   | 100.0   |
| GE 0                  | 8.4                              | 93.1     | 95.0     | 97.6     | 98.1     | 98.8     | 98.8     | 99.4     | 99.5     | 99.6     | 99.6     | 99.8     | 99.8    | 100.0   | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 807

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GT<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GL<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 4.2                              | 28.6     | 28.6     | 28.6     | 28.6     | 28.6     | 28.6     | 28.6     | 28.6     | 28.6     | 28.6     | 28.6     | 28.6    | 28.6    | 28.6    | 28.6    |
| GE 2000               | 4.9                              | 40.0     | 40.0     | 40.1     | 40.1     | 40.1     | 40.1     | 40.1     | 40.1     | 40.1     | 40.1     | 40.1     | 40.1    | 40.1    | 40.1    | 40.1    |
| GE 1800               | 5.2                              | 42.2     | 42.2     | 42.4     | 42.4     | 42.4     | 42.4     | 42.4     | 42.4     | 42.4     | 42.4     | 42.4     | 42.4    | 42.4    | 42.4    | 42.4    |
| GE 1600               | 5.2                              | 42.6     | 42.6     | 42.7     | 42.7     | 42.7     | 42.7     | 42.7     | 42.7     | 42.7     | 42.7     | 42.7     | 42.7    | 42.7    | 42.7    | 42.7    |
| GE 1400               | 5.2                              | 42.7     | 42.7     | 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    |
| GE 1200               | 6.8                              | 49.8     | 49.8     | 49.9     | 49.9     | 49.9     | 49.9     | 49.9     | 49.9     | 49.9     | 49.9     | 49.9     | 49.9    | 49.9    | 49.9    | 49.9    |
| GE 1000               | 7.0                              | 55.9     | 56.0     | 56.2     | 56.2     | 56.2     | 56.2     | 56.2     | 56.2     | 56.2     | 56.2     | 56.2     | 56.2    | 56.2    | 56.2    | 56.2    |
| GE 900                | 7.0                              | 58.6     | 58.7     | 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 800                | 7.0                              | 59.7     | 60.1     | 60.2     | 60.2     | 60.2     | 60.2     | 60.2     | 60.2     | 60.2     | 60.2     | 60.2     | 60.2    | 60.2    | 60.2    | 60.2    |
| GE 700                | 7.0                              | 59.9     | 60.2     | 60.3     | 60.3     | 60.3     | 60.3     | 60.3     | 60.3     | 60.3     | 60.3     | 60.3     | 60.3    | 60.3    | 60.3    | 60.3    |
| GE 600                | 7.0                              | 59.9     | 60.2     | 60.3     | 60.3     | 60.3     | 60.3     | 60.3     | 60.3     | 60.3     | 60.3     | 60.3     | 60.3    | 60.3    | 60.3    | 60.3    |
| GE 500                | 7.0                              | 66.5     | 66.9     | 67.0     | 67.0     | 67.0     | 67.0     | 67.0     | 67.0     | 67.0     | 67.0     | 67.0     | 67.0    | 67.0    | 67.0    | 67.0    |
| GE 450                | 7.0                              | 67.0     | 67.4     | 67.5     | 67.5     | 67.5     | 67.5     | 67.5     | 67.5     | 67.5     | 67.5     | 67.5     | 67.5    | 67.5    | 67.5    | 67.5    |
| GE 400                | 7.8                              | 79.6     | 79.9     | 80.3     | 80.3     | 80.3     | 80.3     | 80.3     | 80.3     | 80.3     | 80.3     | 80.3     | 80.3    | 80.3    | 80.3    | 80.3    |
| GE 350                | 7.8                              | 87.8     | 88.3     | 88.8     | 88.8     | 88.8     | 88.8     | 88.8     | 88.8     | 88.8     | 88.8     | 88.8     | 88.8    | 88.8    | 88.8    | 88.8    |
| GE 300                | 7.8                              | 92.1     | 93.0     | 93.6     | 94.0     | 94.0     | 94.0     | 94.0     | 94.0     | 94.0     | 94.0     | 94.0     | 94.0    | 94.0    | 94.0    | 94.0    |
| GE 250                | 8.0                              | 94.3     | 95.4     | 96.2     | 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 200                | 8.0                              | 95.1     | 96.4     | 97.5     | 98.2     | 98.3     | 98.3     | 98.4     | 98.4     | 98.4     | 98.4     | 98.4     | 98.4    | 98.4    | 98.4    | 98.4    |
| GE 180                | 8.0                              | 95.1     | 96.4     | 97.5     | 98.2     | 98.3     | 98.3     | 98.4     | 98.4     | 98.4     | 98.4     | 98.4     | 98.4    | 98.4    | 98.4    | 98.4    |
| GE 150                | 8.0                              | 95.1     | 96.6     | 97.7     | 98.3     | 98.4     | 98.4     | 98.5     | 98.5     | 98.5     | 98.5     | 98.5     | 98.5    | 98.5    | 98.5    | 98.5    |
| GE 120                | 8.0                              | 95.3     | 97.0     | 98.3     | 99.0     | 99.1     | 99.1     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.3    |
| GE 100                | 8.0                              | 95.3     | 97.0     | 98.3     | 99.0     | 99.1     | 99.1     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.3    |
| GE 90                 | 8.0                              | 95.3     | 97.0     | 98.3     | 99.0     | 99.1     | 99.1     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.3    |
| GE 80                 | 8.0                              | 95.6     | 97.3     | 98.5     | 99.3     | 99.4     | 99.4     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5    | 99.5    | 99.5    | 99.5    |
| GE 70                 | 8.1                              | 95.7     | 97.4     | 98.6     | 99.4     | 99.5     | 99.5     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.6    |
| GE 60                 | 8.1                              | 95.7     | 97.4     | 98.6     | 99.4     | 99.5     | 99.5     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.6    |
| GE 50                 | 8.1                              | 95.7     | 97.4     | 98.6     | 99.4     | 99.5     | 99.5     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.6    |
| GE 40                 | 8.1                              | 95.8     | 97.5     | 98.8     | 99.5     | 99.6     | 99.6     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 30                 | 8.1                              | 95.8     | 97.5     | 98.8     | 99.5     | 99.6     | 99.6     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 20                 | 8.1                              | 95.8     | 97.5     | 98.8     | 99.5     | 99.6     | 99.6     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 10                 | 8.1                              | 95.8     | 97.5     | 98.8     | 99.5     | 99.6     | 99.6     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE CL                 | 8.1                              | 95.9     | 97.7     | 98.9     | 99.6     | 99.6     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 912

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 1800-2600

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |      |      |      |      |      |      |      |      |      |       |       |       |       |       |       |
|-----------------------|----------------------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|
|                       | 160                              | 90   | 80   | 60   | 48   | 40   | 32   | 24   | 20   | 16   | 12    | 10    | 9     | 5     | 4     | 0     |
| NO CEIL               | 2.8                              | 29.7 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  |
| GE 20000              | 3.8                              | 36.4 | 36.7 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.9  | 36.9  | 36.9  | 36.9  | 36.9  | 36.9  |
| GE 18000              | 3.9                              | 40.4 | 40.6 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.9  | 40.9  | 40.9  | 40.9  | 40.9  | 40.9  |
| GE 16000              | 3.9                              | 40.5 | 40.8 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 41.0  | 41.0  | 41.0  | 41.0  | 41.0  | 41.0  |
| GE 14000              | 3.9                              | 40.9 | 41.1 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.4  | 41.4  | 41.4  | 41.4  | 41.4  | 41.4  |
| GE 12000              | 5.0                              | 47.6 | 47.9 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.1  | 48.1  | 48.1  | 48.1  | 48.1  | 48.1  |
| GE 10000              | 5.1                              | 54.7 | 55.0 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.2  | 55.2  | 55.2  | 55.2  | 55.2  | 55.2  |
| GE 9000               | 5.1                              | 59.5 | 59.9 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.2  | 60.2  | 60.2  | 60.2  | 60.2  | 60.2  |
| GE 8000               | 5.1                              | 60.8 | 61.2 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.6  | 61.6  | 61.6  | 61.6  | 61.6  | 61.6  |
| GE 7000               | 5.1                              | 61.0 | 61.3 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.7  | 61.7  | 61.7  | 61.7  | 61.7  | 61.7  |
| GE 6000               | 5.1                              | 61.0 | 61.3 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.7  | 61.7  | 61.7  | 61.7  | 61.7  | 61.7  |
| GE 5000               | 5.1                              | 70.5 | 70.9 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.2  | 71.2  | 71.2  | 71.2  | 71.2  | 71.2  |
| GE 4500               | 5.1                              | 70.9 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.6  | 71.6  | 71.6  | 71.6  | 71.6  | 71.6  |
| GE 4000               | 5.1                              | 82.0 | 82.5 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  |
| GE 3500               | 5.1                              | 88.5 | 89.5 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.5  | 90.5  | 90.5  | 90.5  | 90.5  | 90.5  |
| GE 3000               | 5.3                              | 92.0 | 93.3 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.4  | 94.4  | 94.4  | 94.4  | 94.4  | 94.4  |
| GE 2500               | 5.3                              | 93.4 | 94.6 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  |
| GE 2000               | 5.3                              | 94.6 | 96.2 | 97.3 | 97.6 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 97.9  | 97.9  | 97.9  | 97.9  | 97.9  | 97.9  |
| GE 1800               | 5.3                              | 94.9 | 96.5 | 97.6 | 97.8 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.2  | 98.2  | 98.2  | 98.2  | 98.2  | 98.2  |
| GE 1500               | 5.3                              | 94.9 | 96.5 | 97.6 | 97.8 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.2  | 98.2  | 98.2  | 98.2  | 98.2  | 98.2  |
| GE 1200               | 5.3                              | 96.0 | 97.6 | 98.9 | 99.1 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  |
| GE 1000               | 5.3                              | 96.0 | 97.6 | 98.9 | 99.1 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  |
| GE 900                | 5.3                              | 96.0 | 97.6 | 98.9 | 99.1 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  |
| GE 800                | 5.3                              | 96.1 | 97.8 | 99.3 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  |
| GE 700                | 5.3                              | 96.1 | 97.8 | 99.3 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  |
| GE 600                | 5.3                              | 96.1 | 97.8 | 99.3 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  |
| GE 500                | 5.3                              | 96.1 | 97.8 | 99.3 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  |
| GE 400                | 5.3                              | 96.1 | 97.8 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300                | 5.3                              | 96.1 | 97.8 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200                | 5.3                              | 96.1 | 97.8 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100                | 5.3                              | 96.1 | 97.8 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE                    | 5.3                              | 96.1 | 97.8 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 417

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GE<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 2.7                              | 32.2     | 32.4     | 32.4     | 32.4     | 32.4     | 32.4     | 32.4     | 32.4     | 32.4     | 32.4     | 32.4     | 32.4    | 32.4    | 32.4    | 32.4    |
| GE 2000               | 3.2                              | 37.1     | 37.4     | 37.4     | 37.4     | 37.4     | 37.4     | 37.4     | 37.4     | 37.4     | 37.4     | 37.4     | 37.4    | 37.4    | 37.4    | 37.4    |
| GE 1800               | 3.2                              | 38.1     | 38.3     | 38.3     | 38.3     | 38.3     | 38.3     | 38.3     | 38.3     | 38.3     | 38.3     | 38.3     | 38.3    | 38.3    | 38.3    | 38.3    |
| GE 1600               | 3.2                              | 38.2     | 38.5     | 38.5     | 38.5     | 38.5     | 38.5     | 38.5     | 38.5     | 38.5     | 38.5     | 38.5     | 38.5    | 38.5    | 38.5    | 38.5    |
| GE 1400               | 3.2                              | 38.2     | 38.5     | 38.5     | 38.5     | 38.5     | 38.5     | 38.5     | 38.5     | 38.5     | 38.5     | 38.5     | 38.5    | 38.5    | 38.5    | 38.5    |
| GE 1200               | 3.8                              | 44.9     | 45.1     | 45.1     | 45.1     | 45.1     | 45.1     | 45.1     | 45.1     | 45.1     | 45.1     | 45.1     | 45.1    | 45.1    | 45.1    | 45.1    |
| GE 1000               | 4.2                              | 52.2     | 52.4     | 52.4     | 52.4     | 52.4     | 52.4     | 52.4     | 52.4     | 52.4     | 52.4     | 52.4     | 52.4    | 52.4    | 52.4    | 52.4    |
| GE 900                | 4.3                              | 57.3     | 57.6     | 57.6     | 57.6     | 57.6     | 57.6     | 57.6     | 57.6     | 57.6     | 57.6     | 57.6     | 57.6    | 57.6    | 57.6    | 57.6    |
| GE 800                | 4.3                              | 58.7     | 59.1     | 59.1     | 59.1     | 59.1     | 59.1     | 59.1     | 59.1     | 59.1     | 59.1     | 59.1     | 59.1    | 59.1    | 59.1    | 59.1    |
| GE 700                | 4.3                              | 58.7     | 59.1     | 59.1     | 59.1     | 59.1     | 59.1     | 59.1     | 59.1     | 59.1     | 59.1     | 59.1     | 59.1    | 59.1    | 59.1    | 59.1    |
| GE 600                | 4.3                              | 58.7     | 59.1     | 59.1     | 59.1     | 59.1     | 59.1     | 59.1     | 59.1     | 59.1     | 59.1     | 59.1     | 59.1    | 59.1    | 59.1    | 59.1    |
| GE 500                | 4.3                              | 71.6     | 72.0     | 72.0     | 72.0     | 72.0     | 72.0     | 72.0     | 72.0     | 72.0     | 72.0     | 72.0     | 72.0    | 72.0    | 72.0    | 72.0    |
| GE 450                | 4.3                              | 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    | 72.3    | 72.3    |
| GE 400                | 4.3                              | 82.5     | 83.0     | 83.0     | 83.0     | 83.0     | 83.0     | 83.0     | 83.0     | 83.0     | 83.0     | 83.0     | 83.0    | 83.0    | 83.0    | 83.0    |
| GE 350                | 4.3                              | 88.2     | 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    | 88.7    |
| GE 300                | 4.4                              | 93.8     | 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 250                | 4.4                              | 95.1     | 95.9     | 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    |
| GE 200                | 4.4                              | 95.6     | 97.3     | 97.5     | 97.8     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.2     | 98.2     | 98.2    | 98.2    | 98.2    | 98.2    |
| GE 180                | 4.4                              | 95.6     | 97.4     | 97.7     | 98.0     | 98.3     | 98.3     | 98.3     | 98.3     | 98.4     | 98.4     | 98.4     | 98.4    | 98.4    | 98.4    | 98.4    |
| GE 150                | 4.4                              | 95.7     | 97.5     | 97.8     | 98.2     | 98.4     | 98.4     | 98.4     | 98.4     | 98.5     | 98.5     | 98.5     | 98.5    | 98.5    | 98.5    | 98.5    |
| GE 120                | 4.6                              | 96.8     | 98.6     | 99.0     | 99.4     | 99.6     | 99.6     | 99.6     | 99.6     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 100                | 4.6                              | 96.8     | 98.6     | 99.0     | 99.4     | 99.6     | 99.6     | 99.6     | 99.6     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 90                 | 4.6                              | 96.8     | 98.6     | 99.0     | 99.4     | 99.6     | 99.6     | 99.6     | 99.6     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 80                 | 4.6                              | 96.8     | 98.6     | 99.0     | 99.4     | 99.6     | 99.6     | 99.6     | 99.6     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 70                 | 4.6                              | 96.8     | 98.6     | 99.0     | 99.4     | 99.6     | 99.6     | 99.6     | 99.6     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 60                 | 4.6                              | 96.8     | 98.6     | 99.0     | 99.4     | 99.6     | 99.6     | 99.6     | 99.6     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 50                 | 4.6                              | 96.8     | 98.6     | 99.0     | 99.4     | 99.6     | 99.6     | 99.6     | 99.6     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 40                 | 4.6                              | 96.9     | 98.8     | 99.1     | 99.5     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 30                 | 4.6                              | 96.9     | 98.8     | 99.1     | 99.5     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 20                 | 4.6                              | 96.9     | 98.8     | 99.1     | 99.5     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 10                 | 4.6                              | 96.9     | 98.8     | 99.1     | 99.5     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 411

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-B\*

MONTH: FEB HOURS (LST): ALL

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GE<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 3.0                              | 30.0     | 30.7     | 30.9     | 30.9     | 30.9     | 30.9     | 30.9     | 30.9     | 30.9     | 30.9     | 30.9     | 30.9    | 31.0    | 31.0    | 31.0    |
| GE 20000              | 3.6                              | 37.5     | 38.4     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7     | 38.8    | 38.8    | 38.8    | 38.8    |
| GE 18000              | 3.6                              | 39.1     | 40.1     | 40.4     | 40.5     | 40.5     | 40.5     | 40.5     | 40.5     | 40.5     | 40.5     | 40.5     | 40.5    | 40.5    | 40.5    | 40.5    |
| GE 16000              | 3.6                              | 39.3     | 40.3     | 40.6     | 40.6     | 40.6     | 40.6     | 40.6     | 40.6     | 40.6     | 40.6     | 40.6     | 40.7    | 40.7    | 40.7    | 40.7    |
| GE 14000              | 3.6                              | 39.5     | 40.5     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8    | 40.8    | 40.8    | 40.8    |
| GE 12000              | 4.6                              | 46.1     | 47.2     | 47.6     | 47.6     | 47.6     | 47.6     | 47.6     | 47.6     | 47.6     | 47.6     | 47.6     | 47.6    | 47.6    | 47.6    | 47.6    |
| GE 10000              | 4.7                              | 53.0     | 54.1     | 54.5     | 54.5     | 54.5     | 54.5     | 54.5     | 54.5     | 54.5     | 54.5     | 54.5     | 54.6    | 54.6    | 54.6    | 54.6    |
| GE 9000               | 4.7                              | 57.8     | 59.0     | 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    |
| GE 8000               | 4.7                              | 59.1     | 60.3     | 60.8     | 60.9     | 60.9     | 60.9     | 60.9     | 60.9     | 60.9     | 61.0     | 61.0     | 61.0    | 61.0    | 61.0    | 61.0    |
| GE 7000               | 4.8                              | 59.3     | 60.5     | 61.0     | 61.0     | 61.0     | 61.0     | 61.0     | 61.1     | 61.1     | 61.1     | 61.1     | 61.1    | 61.1    | 61.2    | 61.2    |
| GE 6000               | 4.8                              | 59.3     | 60.5     | 61.0     | 61.0     | 61.0     | 61.0     | 61.1     | 61.1     | 61.1     | 61.1     | 61.1     | 61.1    | 61.1    | 61.2    | 61.2    |
| GE 5000               | 4.8                              | 70.1     | 71.4     | 71.8     | 71.9     | 71.9     | 71.9     | 71.9     | 72.0     | 72.0     | 72.0     | 72.0     | 72.0    | 72.0    | 72.0    | 72.0    |
| GE 4500               | 4.8                              | 70.5     | 71.8     | 72.2     | 72.3     | 72.3     | 72.3     | 72.3     | 72.4     | 72.4     | 72.4     | 72.4     | 72.4    | 72.4    | 72.4    | 72.4    |
| GE 4000               | 5.2                              | 80.9     | 82.3     | 82.9     | 83.0     | 83.0     | 83.0     | 83.0     | 83.0     | 83.0     | 83.1     | 83.1     | 83.1    | 83.1    | 83.1    | 83.1    |
| GE 3500               | 5.2                              | 86.8     | 88.4     | 89.1     | 89.2     | 89.2     | 89.2     | 89.3     | 89.3     | 89.3     | 89.3     | 89.3     | 89.3    | 89.3    | 89.4    | 89.4    |
| GE 3000               | 5.3                              | 91.5     | 93.4     | 94.3     | 94.5     | 94.5     | 94.5     | 94.5     | 94.5     | 94.6     | 94.6     | 94.6     | 94.6    | 94.6    | 94.6    | 94.6    |
| GE 2500               | 5.3                              | 93.0     | 95.0     | 96.2     | 96.3     | 96.4     | 96.4     | 96.5     | 96.5     | 96.5     | 96.5     | 96.5     | 96.5    | 96.5    | 96.5    | 96.6    |
| GE 2000               | 5.3                              | 93.8     | 96.0     | 97.4     | 97.7     | 97.9     | 97.9     | 98.0     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1    | 98.1    | 98.1    | 98.1    |
| GE 1800               | 5.3                              | 93.8     | 96.1     | 97.5     | 97.8     | 98.0     | 98.0     | 98.1     | 98.1     | 98.2     | 98.2     | 98.2     | 98.2    | 98.2    | 98.2    | 98.3    |
| GE 1500               | 5.3                              | 93.9     | 96.2     | 97.6     | 98.0     | 98.2     | 98.2     | 98.3     | 98.3     | 98.4     | 98.4     | 98.4     | 98.4    | 98.4    | 98.4    | 98.5    |
| GE 1200               | 5.3                              | 94.6     | 97.0     | 98.5     | 98.9     | 99.2     | 99.2     | 99.3     | 99.3     | 99.4     | 99.4     | 99.4     | 99.4    | 99.4    | 99.4    | 99.4    |
| GE 1000               | 5.3                              | 94.6     | 97.0     | 98.5     | 98.9     | 99.2     | 99.2     | 99.3     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4    | 99.4    | 99.4    | 99.5    |
| GE 900                | 5.3                              | 94.6     | 97.0     | 98.5     | 98.9     | 99.2     | 99.2     | 99.3     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4    | 99.4    | 99.4    | 99.5    |
| GE 800                | 5.3                              | 94.7     | 97.0     | 98.6     | 99.0     | 99.2     | 99.2     | 99.4     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5    | 99.5    | 99.6    | 99.6    |
| GE 700                | 5.4                              | 94.8     | 97.2     | 98.8     | 99.2     | 99.5     | 99.5     | 99.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.9    | 99.9    |
| GE 600                | 5.4                              | 94.8     | 97.2     | 98.8     | 99.2     | 99.5     | 99.5     | 99.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.9    | 99.9    |
| GE 500                | 5.4                              | 94.8     | 97.2     | 98.8     | 99.2     | 99.5     | 99.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.9    | 99.9    |
| GE 400                | 5.4                              | 94.8     | 97.2     | 98.9     | 99.3     | 99.6     | 99.6     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9    | 100.0   | 100.0   | 100.0   |
| GE 300                | 5.4                              | 94.8     | 97.2     | 98.9     | 99.3     | 99.6     | 99.6     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9    | 100.0   | 100.0   | 100.0   |
| GE 200                | 5.4                              | 94.8     | 97.2     | 98.9     | 99.3     | 99.6     | 99.6     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9    | 100.0   | 100.0   | 100.0   |
| GE 100                | 5.4                              | 94.8     | 97.2     | 98.9     | 99.3     | 99.6     | 99.6     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9    | 100.0   | 100.0   | 100.0   |
| GE                    | 5.4                              | 94.8     | 97.2     | 98.9     | 99.3     | 99.6     | 99.6     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 100.0   | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 6472

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 16716C STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LST): 0000-0100

| CEILING<br>IN<br>FEET | GT<br>16C | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |         |         |         |         |       |
|-----------------------|-----------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|-------|
|                       |           | GE<br>90                         | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>3 |       |
| NO CEIL               | 1.8       | 31.7                             | 32.6     | 32.6     | 32.7     | 32.8     | 32.8     | 32.8     | 32.8     | 32.8     | 32.8     | 32.8     | 32.8    | 32.8    | 32.9    | 32.9    | 32.9  |
| GE 2000               | 2.0       | 37.2                             | 38.2     | 38.2     | 38.5     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7    | 38.7    | 38.8    | 38.8    | 38.8  |
| GE 1800               | 2.0       | 37.6                             | 38.6     | 38.6     | 38.9     | 39.1     | 39.1     | 39.1     | 39.1     | 39.1     | 39.1     | 39.1     | 39.1    | 39.1    | 39.2    | 39.2    | 39.2  |
| GE 1600               | 2.0       | 37.8                             | 38.8     | 38.8     | 39.1     | 39.3     | 39.3     | 39.3     | 39.3     | 39.3     | 39.3     | 39.3     | 39.3    | 39.3    | 39.4    | 39.4    | 39.4  |
| GE 1400               | 2.0       | 37.8                             | 38.8     | 38.8     | 39.1     | 39.3     | 39.3     | 39.3     | 39.3     | 39.3     | 39.3     | 39.3     | 39.3    | 39.4    | 39.4    | 39.4    | 39.4  |
| GE 1200               | 2.1       | 43.3                             | 44.4     | 44.4     | 44.8     | 45.0     | 45.0     | 45.0     | 45.0     | 45.0     | 45.0     | 45.0     | 45.0    | 45.0    | 45.1    | 45.1    | 45.1  |
| GE 1000               | 2.3       | 49.7                             | 50.8     | 50.8     | 51.2     | 51.4     | 51.4     | 51.4     | 51.4     | 51.4     | 51.4     | 51.4     | 51.4    | 51.4    | 51.5    | 51.5    | 51.5  |
| GE 900                | 2.3       | 53.0                             | 54.1     | 54.1     | 54.5     | 54.7     | 54.7     | 54.7     | 54.7     | 54.7     | 54.7     | 54.7     | 54.7    | 54.7    | 54.8    | 54.8    | 54.8  |
| GE 800                | 2.3       | 53.4                             | 54.5     | 54.5     | 54.8     | 55.0     | 55.0     | 55.0     | 55.0     | 55.0     | 55.0     | 55.0     | 55.0    | 55.0    | 55.1    | 55.1    | 55.1  |
| GE 700                | 2.3       | 53.4                             | 54.5     | 54.5     | 54.8     | 55.0     | 55.0     | 55.0     | 55.0     | 55.0     | 55.0     | 55.0     | 55.0    | 55.0    | 55.1    | 55.1    | 55.1  |
| GE 600                | 2.3       | 53.4                             | 54.5     | 54.5     | 54.8     | 55.0     | 55.0     | 55.0     | 55.0     | 55.0     | 55.0     | 55.0     | 55.0    | 55.0    | 55.1    | 55.1    | 55.1  |
| GE 500                | 2.3       | 76.9                             | 79.0     | 78.0     | 78.3     | 78.6     | 78.6     | 78.6     | 78.6     | 78.6     | 78.6     | 78.6     | 78.6    | 78.6    | 78.7    | 78.7    | 78.7  |
| GE 450                | 2.3       | 76.9                             | 78.0     | 78.0     | 78.3     | 78.6     | 78.6     | 78.6     | 78.6     | 78.6     | 78.6     | 78.6     | 78.6    | 78.6    | 78.7    | 78.7    | 78.7  |
| GE 400                | 2.5       | 83.6                             | 85.1     | 85.1     | 85.4     | 85.6     | 85.6     | 85.6     | 85.6     | 85.6     | 85.6     | 85.6     | 85.6    | 85.6    | 85.7    | 85.7    | 85.7  |
| GE 350                | 2.5       | 87.7                             | 89.2     | 89.5     | 89.8     | 90.1     | 90.1     | 90.1     | 90.1     | 90.1     | 90.1     | 90.1     | 90.1    | 90.1    | 90.2    | 90.2    | 90.2  |
| GE 300                | 2.8       | 92.6                             | 94.5     | 94.8     | 95.1     | 95.4     | 95.4     | 95.4     | 95.4     | 95.4     | 95.4     | 95.4     | 95.4    | 95.4    | 95.5    | 95.5    | 95.5  |
| GE 250                | 2.8       | 93.9                             | 96.1     | 96.8     | 97.2     | 97.5     | 97.5     | 97.5     | 97.5     | 97.5     | 97.5     | 97.5     | 97.5    | 97.5    | 97.6    | 97.6    | 97.6  |
| GE 200                | 2.8       | 94.8                             | 97.1     | 97.8     | 98.3     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6    | 98.6    | 98.7    | 98.7    | 98.7  |
| GE 180                | 2.8       | 94.8                             | 97.1     | 97.8     | 98.3     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6    | 98.6    | 98.7    | 98.7    | 98.7  |
| GE 150                | 2.8       | 94.9                             | 97.2     | 97.9     | 98.5     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7    | 98.7    | 98.8    | 98.8    | 98.8  |
| GE 120                | 2.8       | 95.7                             | 98.1     | 98.9     | 99.4     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.8    | 99.8    | 99.8  |
| GE 100                | 2.8       | 95.7                             | 98.1     | 98.9     | 99.4     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.8    | 99.8    | 99.8  |
| GE 90                 | 2.8       | 95.7                             | 98.1     | 98.9     | 99.4     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.8    | 99.8    | 99.8  |
| GE 80                 | 2.8       | 95.7                             | 98.1     | 98.9     | 99.4     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.8    | 99.8    | 99.8  |
| GE 70                 | 2.8       | 95.7                             | 98.1     | 98.9     | 99.4     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.8    | 99.8    | 99.8  |
| GE 60                 | 2.8       | 95.7                             | 98.1     | 98.9     | 99.4     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.8    | 99.8    | 99.8  |
| GE 50                 | 2.8       | 95.7                             | 98.1     | 98.9     | 99.4     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.8    | 99.8    | 99.8  |
| GE 40                 | 2.8       | 95.7                             | 98.1     | 98.9     | 99.4     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.8    | 99.8    | 99.8  |
| GE 30                 | 2.8       | 95.7                             | 98.1     | 98.9     | 99.4     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.8    | 99.8    | 99.8  |
| GE 20                 | 2.8       | 95.7                             | 98.1     | 98.9     | 99.4     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.8    | 99.8    | 99.8  |
| GE 10                 | 2.8       | 95.7                             | 98.1     | 98.9     | 99.4     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.8    | 99.8    | 99.8  |
| GE                    | 2.8       | 95.7                             | 98.1     | 98.9     | 99.4     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.8    | 99.8    | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 205

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87

MONTH: MAR

HOURS(LST): 0300-0500

| CEILING<br>IN<br>FEET | GT<br>160 | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|-----------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       |           | GE<br>90                         | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 1.7       | 29.9                             | 31.5     | 31.9     | 32.2     | 32.3     | 32.3     | 32.3     | 32.3     | 32.3     | 32.3     | 32.3     | 32.3    | 32.3    | 32.3    | 32.3    |
| GE 20000              | 1.4       | 34.8                             | 36.5     | 36.8     | 37.1     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2    | 37.2    | 37.2    | 37.2    |
| GE 18000              | 1.4       | 35.1                             | 36.8     | 37.1     | 37.5     | 37.6     | 37.6     | 37.6     | 37.6     | 37.6     | 37.6     | 37.6     | 37.6    | 37.6    | 37.6    | 37.6    |
| GE 16000              | 1.4       | 35.1                             | 36.8     | 37.1     | 37.5     | 37.6     | 37.6     | 37.6     | 37.6     | 37.6     | 37.6     | 37.6     | 37.6    | 37.6    | 37.6    | 37.6    |
| GE 14000              | 1.4       | 35.1                             | 36.8     | 37.1     | 37.5     | 37.6     | 37.6     | 37.6     | 37.6     | 37.6     | 37.6     | 37.6     | 37.6    | 37.6    | 37.6    | 37.6    |
| GE 12000              | 1.8       | 41.2                             | 43.1     | 43.6     | 43.9     | 44.0     | 44.0     | 44.0     | 44.0     | 44.0     | 44.0     | 44.0     | 44.0    | 44.0    | 44.0    | 44.0    |
| GE 10000              | 1.9       | 47.0                             | 48.9     | 49.4     | 49.7     | 49.8     | 49.8     | 49.8     | 49.8     | 49.8     | 49.8     | 49.8     | 49.8    | 49.8    | 49.8    | 49.8    |
| GE 9000               | 2.0       | 50.8                             | 52.7     | 53.3     | 53.6     | 53.7     | 53.7     | 53.7     | 53.7     | 53.7     | 53.7     | 53.7     | 53.7    | 53.7    | 53.7    | 53.8    |
| GE 8000               | 2.0       | 51.6                             | 53.5     | 54.1     | 54.4     | 54.5     | 54.5     | 54.5     | 54.5     | 54.5     | 54.5     | 54.5     | 54.5    | 54.5    | 54.5    | 54.6    |
| GE 7000               | 2.0       | 51.6                             | 53.5     | 54.1     | 54.4     | 54.5     | 54.5     | 54.5     | 54.5     | 54.5     | 54.5     | 54.5     | 54.5    | 54.5    | 54.5    | 54.6    |
| GE 6000               | 2.0       | 51.6                             | 53.5     | 54.1     | 54.4     | 54.5     | 54.5     | 54.5     | 54.5     | 54.5     | 54.5     | 54.5     | 54.5    | 54.5    | 54.5    | 54.6    |
| GE 5000               | 2.0       | 75.9                             | 77.8     | 78.4     | 78.7     | 78.8     | 78.8     | 78.8     | 78.8     | 78.8     | 78.8     | 78.8     | 78.8    | 78.8    | 78.8    | 78.9    |
| GE 4500               | 2.0       | 75.9                             | 77.8     | 78.4     | 78.7     | 78.8     | 78.8     | 78.8     | 78.8     | 78.8     | 78.8     | 78.8     | 78.8    | 78.8    | 78.8    | 78.9    |
| GE 4000               | 2.1       | 81.3                             | 83.4     | 83.9     | 84.3     | 84.4     | 84.4     | 84.4     | 84.4     | 84.4     | 84.4     | 84.4     | 84.4    | 84.4    | 84.4    | 84.5    |
| GE 3500               | 2.1       | 86.4                             | 88.5     | 89.2     | 89.5     | 89.6     | 89.6     | 89.6     | 89.6     | 89.6     | 89.6     | 89.6     | 89.6    | 89.6    | 89.6    | 89.7    |
| GE 3000               | 2.2       | 91.2                             | 93.9     | 94.5     | 94.9     | 95.0     | 95.0     | 95.0     | 95.0     | 95.0     | 95.0     | 95.0     | 95.1    | 95.1    | 95.1    | 95.2    |
| GE 2500               | 2.2       | 93.0                             | 96.2     | 97.0     | 97.3     | 97.4     | 97.4     | 97.4     | 97.4     | 97.4     | 97.4     | 97.4     | 97.5    | 97.5    | 97.5    | 97.7    |
| GE 2000               | 2.2       | 93.8                             | 97.0     | 97.8     | 98.4     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.7    | 98.7    | 98.7    | 98.8    |
| GE 1800               | 2.2       | 93.8                             | 97.0     | 97.8     | 98.4     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.7    | 98.7    | 98.7    | 98.8    |
| GE 1500               | 2.2       | 94.0                             | 97.2     | 98.0     | 98.7     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8     | 98.9    | 98.9    | 98.9    | 99.0    |
| GE 1200               | 2.3       | 94.5                             | 97.9     | 98.7     | 99.3     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.6    | 99.6    | 99.6    | 99.7    |
| GE 1000               | 2.3       | 94.5                             | 97.9     | 98.7     | 99.3     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.6    | 99.6    | 99.6    | 99.7    |
| GE 900                | 2.3       | 94.5                             | 97.9     | 98.7     | 99.3     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.6    | 99.6    | 99.6    | 99.7    |
| GE 800                | 2.3       | 94.5                             | 97.9     | 98.7     | 99.3     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.6    | 99.6    | 99.6    | 99.7    |
| GE 700                | 2.3       | 94.8                             | 98.2     | 99.0     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 600                | 2.3       | 94.8                             | 98.2     | 99.0     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 500                | 2.3       | 94.8                             | 98.2     | 99.0     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 400                | 2.3       | 94.8                             | 98.2     | 99.0     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 300                | 2.3       | 94.8                             | 98.2     | 99.0     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 200                | 2.3       | 94.8                             | 98.2     | 99.0     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 100                | 2.3       | 94.8                             | 98.2     | 99.0     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 0                  | 2.3       | 94.6                             | 98.2     | 99.0     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9    | 99.9    | 99.9    | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 897



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | ST<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 3.4                              | 25.6     | 30.0     | 31.5     | 31.9     | 31.9     | 31.9     | 32.0     | 32.0     | 32.0     | 32.0     | 32.0     | 32.0    | 32.0    | 32.0    | 32.0    |
| GE 20000              | 3.4                              | 32.9     | 37.7     | 39.2     | 39.8     | 39.8     | 39.8     | 39.9     | 39.9     | 39.9     | 39.9     | 39.9     | 39.9    | 39.9    | 39.9    | 39.9    |
| GE 18000              | 3.4                              | 33.4     | 38.1     | 39.7     | 40.2     | 40.2     | 40.2     | 40.4     | 40.4     | 40.4     | 40.4     | 40.4     | 40.4    | 40.4    | 40.4    | 40.4    |
| GE 16000              | 3.4                              | 33.4     | 38.1     | 39.7     | 40.2     | 40.2     | 40.2     | 40.4     | 40.4     | 40.4     | 40.4     | 40.4     | 40.4    | 40.4    | 40.4    | 40.4    |
| GE 14000              | 3.4                              | 33.5     | 38.2     | 39.8     | 40.4     | 40.4     | 40.4     | 40.5     | 40.5     | 40.5     | 40.5     | 40.5     | 40.5    | 40.5    | 40.5    | 40.5    |
| GE 12000              | 4.2                              | 39.7     | 44.9     | 46.7     | 47.2     | 47.2     | 47.2     | 47.3     | 47.3     | 47.3     | 47.3     | 47.3     | 47.3    | 47.3    | 47.3    | 47.3    |
| GE 10000              | 4.2                              | 44.5     | 49.7     | 51.7     | 52.2     | 52.2     | 52.2     | 52.3     | 52.3     | 52.3     | 52.3     | 52.3     | 52.3    | 52.3    | 52.3    | 52.3    |
| GE 9000               | 4.2                              | 47.9     | 53.2     | 55.2     | 55.8     | 55.8     | 55.8     | 55.9     | 55.9     | 55.9     | 55.9     | 55.9     | 55.9    | 55.9    | 55.9    | 55.9    |
| GE 8000               | 4.2                              | 48.3     | 53.8     | 55.8     | 56.3     | 56.3     | 56.3     | 56.4     | 56.4     | 56.4     | 56.4     | 56.4     | 56.4    | 56.4    | 56.4    | 56.4    |
| GE 7000               | 4.2                              | 48.4     | 54.0     | 56.0     | 56.5     | 56.5     | 56.5     | 56.7     | 56.7     | 56.7     | 56.7     | 56.7     | 56.7    | 56.7    | 56.7    | 56.7    |
| GE 6000               | 4.2                              | 48.4     | 54.0     | 56.0     | 56.5     | 56.5     | 56.5     | 56.7     | 56.7     | 56.7     | 56.7     | 56.7     | 56.7    | 56.7    | 56.7    | 56.7    |
| GE 5000               | 4.2                              | 68.4     | 73.9     | 75.9     | 76.5     | 76.5     | 76.5     | 76.6     | 76.6     | 76.6     | 76.6     | 76.6     | 76.6    | 76.6    | 76.6    | 76.6    |
| GE 4500               | 4.3                              | 68.7     | 74.3     | 76.3     | 76.8     | 76.8     | 76.8     | 76.9     | 76.9     | 76.9     | 76.9     | 76.9     | 76.9    | 76.9    | 76.9    | 76.9    |
| GE 4000               | 5.0                              | 74.2     | 79.8     | 81.9     | 82.6     | 82.6     | 82.6     | 82.7     | 82.7     | 82.7     | 82.7     | 82.7     | 82.7    | 82.7    | 82.7    | 82.7    |
| GE 3500               | 5.0                              | 79.7     | 85.5     | 87.7     | 88.4     | 88.4     | 88.4     | 88.5     | 88.5     | 88.5     | 88.5     | 88.5     | 88.5    | 88.5    | 88.5    | 88.5    |
| GE 3000               | 5.0                              | 84.4     | 90.6     | 93.1     | 93.9     | 93.9     | 93.9     | 94.0     | 94.0     | 94.0     | 94.0     | 94.0     | 94.0    | 94.0    | 94.1    | 94.1    |
| GE 2500               | 5.0                              | 86.5     | 92.8     | 95.5     | 96.2     | 96.2     | 96.2     | 96.3     | 96.7     | 96.7     | 96.7     | 96.8     | 96.8    | 96.8    | 96.9    | 96.9    |
| GE 2000               | 5.0                              | 86.7     | 93.2     | 96.2     | 97.0     | 97.0     | 97.0     | 97.1     | 97.5     | 97.5     | 97.5     | 97.6     | 97.6    | 97.6    | 97.7    | 97.7    |
| GE 1800               | 5.0                              | 86.7     | 93.2     | 96.2     | 97.1     | 97.1     | 97.1     | 97.2     | 97.6     | 97.6     | 97.6     | 97.7     | 97.7    | 97.7    | 97.8    | 97.8    |
| GE 1500               | 5.0                              | 86.7     | 93.2     | 96.2     | 97.1     | 97.2     | 97.2     | 97.3     | 97.7     | 97.7     | 97.7     | 97.8     | 97.8    | 97.8    | 97.9    | 97.9    |
| GE 1200               | 5.1                              | 87.5     | 94.1     | 97.6     | 98.6     | 98.7     | 98.7     | 98.8     | 99.1     | 99.1     | 99.1     | 99.2     | 99.2    | 99.2    | 99.3    | 99.3    |
| GE 1000               | 5.1                              | 87.5     | 94.1     | 97.6     | 98.6     | 98.7     | 98.7     | 98.8     | 99.1     | 99.1     | 99.1     | 99.2     | 99.2    | 99.2    | 99.3    | 99.3    |
| GE 900                | 5.1                              | 87.5     | 94.1     | 97.6     | 98.6     | 98.7     | 98.7     | 98.8     | 99.1     | 99.1     | 99.1     | 99.2     | 99.2    | 99.2    | 99.3    | 99.3    |
| GE 800                | 5.1                              | 87.5     | 94.2     | 97.7     | 98.7     | 98.8     | 98.8     | 98.9     | 99.2     | 99.2     | 99.2     | 99.3     | 99.3    | 99.3    | 99.4    | 99.4    |
| GE 700                | 5.1                              | 87.6     | 94.5     | 97.9     | 99.0     | 99.1     | 99.1     | 99.2     | 99.6     | 99.6     | 99.6     | 99.7     | 99.7    | 99.7    | 99.8    | 99.8    |
| GE 600                | 5.1                              | 87.6     | 94.5     | 97.9     | 99.0     | 99.2     | 99.2     | 99.3     | 99.7     | 99.7     | 99.7     | 99.8     | 99.8    | 99.8    | 99.9    | 99.9    |
| GE 500                | 5.1                              | 87.6     | 94.5     | 97.9     | 99.0     | 99.2     | 99.2     | 99.3     | 99.7     | 99.7     | 99.7     | 99.8     | 99.8    | 99.8    | 99.9    | 99.9    |
| GE 400                | 5.1                              | 87.6     | 94.5     | 97.9     | 99.1     | 99.3     | 99.3     | 99.4     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9    | 99.9    | 100.0   | 100.0   |
| GE 300                | 5.1                              | 87.6     | 94.5     | 97.9     | 99.1     | 99.3     | 99.3     | 99.4     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9    | 99.9    | 100.0   | 100.0   |
| GE 200                | 5.1                              | 87.6     | 94.5     | 97.9     | 99.1     | 99.3     | 99.3     | 99.4     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9    | 99.9    | 100.0   | 100.0   |
| GE 100                | 5.1                              | 87.6     | 94.5     | 97.9     | 99.1     | 99.3     | 99.3     | 99.4     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9    | 99.9    | 100.0   | 100.0   |
| GE 0                  | 5.1                              | 87.6     | 94.5     | 97.9     | 99.1     | 99.3     | 99.3     | 99.4     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9    | 99.9    | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 902

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GE<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 2.6                              | 29.1     | 32.4     | 33.9     | 34.2     | 34.3     | 34.3     | 34.3     | 34.3     | 34.3     | 34.3     | 34.3     | 34.4    | 34.4    | 34.4    | 34.4    |
| GE 20000              | 3.3                              | 38.1     | 42.9     | 45.1     | 45.5     | 45.7     | 45.7     | 45.7     | 45.7     | 45.7     | 45.7     | 45.7     | 45.8    | 45.8    | 45.8    | 45.8    |
| GE 18000              | 3.3                              | 38.9     | 43.7     | 45.9     | 46.3     | 46.4     | 46.4     | 46.4     | 46.4     | 46.4     | 46.4     | 46.4     | 46.5    | 46.5    | 46.5    | 46.5    |
| GE 16000              | 3.3                              | 39.1     | 43.9     | 46.1     | 46.5     | 46.7     | 46.7     | 46.7     | 46.7     | 46.7     | 46.7     | 46.7     | 46.8    | 46.8    | 46.8    | 46.8    |
| GE 14000              | 3.3                              | 39.3     | 44.1     | 46.5     | 47.0     | 47.1     | 47.1     | 47.1     | 47.1     | 47.1     | 47.1     | 47.1     | 47.2    | 47.2    | 47.2    | 47.2    |
| GE 12000              | 4.5                              | 45.7     | 50.7     | 53.5     | 53.9     | 54.0     | 54.0     | 54.0     | 54.0     | 54.0     | 54.0     | 54.0     | 54.1    | 54.1    | 54.1    | 54.1    |
| GE 10000              | 4.6                              | 49.2     | 54.6     | 57.5     | 58.0     | 58.1     | 58.1     | 58.1     | 58.1     | 58.1     | 58.1     | 58.1     | 58.2    | 58.2    | 58.2    | 58.2    |
| GE 9000               | 4.6                              | 51.9     | 57.5     | 60.4     | 60.9     | 61.0     | 61.0     | 61.0     | 61.0     | 61.0     | 61.0     | 61.0     | 61.1    | 61.1    | 61.1    | 61.1    |
| GE 8000               | 4.6                              | 52.4     | 58.1     | 61.0     | 61.6     | 61.7     | 61.7     | 61.7     | 61.7     | 61.7     | 61.7     | 61.7     | 61.8    | 61.8    | 61.8    | 61.8    |
| GE 7000               | 4.6                              | 52.4     | 58.1     | 61.0     | 61.6     | 61.7     | 61.7     | 61.7     | 61.7     | 61.7     | 61.7     | 61.7     | 61.8    | 61.8    | 61.8    | 61.8    |
| GE 6000               | 4.6                              | 52.4     | 58.1     | 61.0     | 61.6     | 61.7     | 61.7     | 61.7     | 61.7     | 61.7     | 61.7     | 61.7     | 61.8    | 61.8    | 61.8    | 61.8    |
| GE 5000               | 4.6                              | 65.9     | 71.7     | 74.6     | 75.2     | 75.3     | 75.3     | 75.3     | 75.3     | 75.3     | 75.3     | 75.3     | 75.4    | 75.4    | 75.4    | 75.4    |
| GE 4500               | 4.6                              | 66.4     | 72.2     | 75.1     | 75.6     | 75.7     | 75.7     | 75.7     | 75.7     | 75.7     | 75.7     | 75.7     | 75.8    | 75.8    | 75.8    | 75.8    |
| GE 4000               | 5.2                              | 73.2     | 79.3     | 82.3     | 82.9     | 83.0     | 83.0     | 83.0     | 83.0     | 83.0     | 83.0     | 83.0     | 83.1    | 83.1    | 83.1    | 83.1    |
| GE 3500               | 5.5                              | 78.5     | 84.9     | 88.0     | 88.6     | 88.8     | 88.8     | 88.8     | 88.8     | 88.8     | 88.8     | 88.8     | 88.9    | 88.9    | 88.9    | 88.9    |
| GE 3000               | 5.5                              | 83.4     | 90.3     | 93.9     | 94.5     | 94.7     | 94.7     | 94.9     | 94.9     | 94.9     | 94.9     | 94.9     | 95.0    | 95.0    | 95.0    | 95.0    |
| GE 2500               | 5.8                              | 84.6     | 92.0     | 95.9     | 96.7     | 96.9     | 96.9     | 97.1     | 97.1     | 97.1     | 97.2     | 97.2     | 97.3    | 97.3    | 97.3    | 97.3    |
| GE 2000               | 5.8                              | 85.3     | 92.8     | 97.0     | 97.8     | 98.2     | 98.2     | 98.4     | 98.4     | 98.6     | 98.6     | 98.6     | 98.7    | 98.7    | 98.7    | 98.7    |
| GE 1800               | 5.8                              | 85.3     | 92.8     | 97.0     | 97.8     | 98.2     | 98.2     | 98.4     | 98.4     | 98.6     | 98.6     | 98.6     | 98.7    | 98.7    | 98.7    | 98.7    |
| GE 1500               | 5.8                              | 85.3     | 92.8     | 97.1     | 97.9     | 98.3     | 98.3     | 98.6     | 98.6     | 98.7     | 98.7     | 98.7     | 98.8    | 98.8    | 98.8    | 98.8    |
| GE 1200               | 5.8                              | 85.4     | 93.1     | 97.4     | 98.3     | 98.8     | 98.8     | 99.0     | 99.0     | 99.1     | 99.1     | 99.1     | 99.2    | 99.2    | 99.2    | 99.2    |
| GE 1000               | 5.8                              | 85.4     | 93.1     | 97.4     | 98.3     | 98.8     | 98.8     | 99.0     | 99.0     | 99.1     | 99.1     | 99.1     | 99.2    | 99.2    | 99.2    | 99.2    |
| GE 900                | 5.8                              | 85.4     | 93.1     | 97.4     | 98.3     | 98.8     | 98.8     | 99.0     | 99.0     | 99.1     | 99.1     | 99.1     | 99.2    | 99.2    | 99.2    | 99.2    |
| GE 800                | 5.8                              | 85.4     | 93.1     | 97.6     | 98.4     | 98.9     | 98.9     | 99.1     | 99.1     | 99.2     | 99.2     | 99.2     | 99.3    | 99.3    | 99.3    | 99.3    |
| GE 700                | 5.8                              | 85.5     | 93.3     | 97.8     | 98.7     | 99.2     | 99.2     | 99.4     | 99.4     | 99.6     | 99.6     | 99.6     | 99.7    | 99.7    | 99.7    | 99.7    |
| GE 600                | 5.8                              | 85.5     | 93.3     | 97.8     | 98.7     | 99.2     | 99.2     | 99.4     | 99.4     | 99.6     | 99.6     | 99.6     | 99.7    | 99.7    | 99.7    | 99.7    |
| GE 500                | 5.8                              | 85.5     | 93.3     | 97.8     | 98.7     | 99.2     | 99.2     | 99.4     | 99.4     | 99.6     | 99.6     | 99.6     | 99.7    | 99.7    | 99.7    | 99.7    |
| GE 400                | 5.8                              | 85.5     | 93.3     | 97.8     | 98.8     | 99.3     | 99.3     | 99.6     | 99.6     | 99.7     | 99.7     | 99.7     | 99.8    | 99.8    | 99.8    | 100.0   |
| GE 300                | 5.8                              | 85.5     | 93.3     | 97.8     | 98.8     | 99.3     | 99.3     | 99.6     | 99.6     | 99.7     | 99.7     | 99.7     | 99.8    | 99.8    | 99.8    | 100.0   |
| GE 200                | 5.8                              | 85.5     | 93.3     | 97.8     | 98.8     | 99.3     | 99.3     | 99.6     | 99.6     | 99.7     | 99.7     | 99.7     | 99.8    | 99.8    | 99.8    | 100.0   |
| GE 100                | 5.8                              | 85.5     | 93.3     | 97.8     | 98.8     | 99.3     | 99.3     | 99.6     | 99.6     | 99.7     | 99.7     | 99.7     | 99.8    | 99.8    | 99.8    | 100.0   |
| GE 0                  | 5.8                              | 85.5     | 93.3     | 97.8     | 98.8     | 99.3     | 99.3     | 99.6     | 99.6     | 99.7     | 99.7     | 99.7     | 99.8    | 99.8    | 99.8    | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 898

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GE<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>C |
| NO CEIL               | 4.2                              | 34.1     | 34.7     | 34.9     | 34.9     | 34.9     | 34.9     | 34.9     | 34.9     | 34.9     | 34.9     | 34.9     | 34.9    | 34.9    | 34.9    | 34.9    |
| GE 2000               | 4.8                              | 45.3     | 46.6     | 47.2     | 47.2     | 47.3     | 47.3     | 47.3     | 47.3     | 47.3     | 47.3     | 47.3     | 47.3    | 47.3    | 47.3    | 47.3    |
| GE 1800               | 4.8                              | 46.7     | 48.0     | 48.7     | 48.9     | 49.0     | 49.0     | 49.0     | 49.0     | 49.0     | 49.0     | 49.0     | 49.0    | 49.0    | 49.0    | 49.0    |
| GE 1600               | 4.8                              | 47.1     | 48.4     | 49.1     | 49.3     | 49.4     | 49.4     | 49.4     | 49.4     | 49.4     | 49.4     | 49.4     | 49.4    | 49.4    | 49.4    | 49.4    |
| GE 1400               | 4.8                              | 47.2     | 48.6     | 49.2     | 49.4     | 49.6     | 49.6     | 49.6     | 49.6     | 49.6     | 49.6     | 49.6     | 49.6    | 49.6    | 49.6    | 49.6    |
| GE 1200               | 6.1                              | 53.4     | 54.9     | 55.8     | 56.0     | 56.2     | 56.2     | 56.2     | 56.2     | 56.2     | 56.2     | 56.2     | 56.2    | 56.2    | 56.2    | 56.2    |
| GE 1000               | 6.1                              | 57.9     | 59.4     | 60.3     | 60.5     | 60.8     | 60.8     | 60.8     | 60.8     | 60.8     | 60.8     | 60.8     | 60.8    | 60.8    | 60.8    | 60.8    |
| GE 900                | 6.1                              | 59.8     | 61.5     | 62.5     | 62.7     | 63.0     | 63.0     | 63.0     | 63.0     | 63.0     | 63.0     | 63.0     | 63.0    | 63.0    | 63.0    | 63.0    |
| GE 800                | 6.1                              | 61.0     | 62.7     | 63.7     | 64.0     | 64.2     | 64.2     | 64.2     | 64.2     | 64.2     | 64.2     | 64.2     | 64.2    | 64.2    | 64.2    | 64.2    |
| GE 700                | 6.1                              | 61.1     | 62.9     | 63.9     | 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 600                | 6.1                              | 61.1     | 62.9     | 63.9     | 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 500                | 6.2                              | 70.3     | 72.1     | 73.1     | 73.3     | 73.5     | 73.5     | 73.5     | 73.5     | 73.5     | 73.5     | 73.5     | 73.5    | 73.5    | 73.5    | 73.5    |
| GE 450                | 6.2                              | 70.7     | 72.5     | 73.5     | 73.7     | 73.9     | 73.9     | 73.9     | 73.9     | 73.9     | 73.9     | 73.9     | 73.9    | 73.9    | 73.9    | 73.9    |
| GE 400                | 7.1                              | 79.3     | 81.7     | 82.8     | 83.0     | 83.3     | 83.3     | 83.3     | 83.3     | 83.3     | 83.3     | 83.3     | 83.3    | 83.3    | 83.3    | 83.3    |
| GE 350                | 7.2                              | 84.8     | 87.3     | 88.4     | 88.7     | 88.9     | 88.9     | 88.9     | 88.9     | 88.9     | 88.9     | 88.9     | 88.9    | 88.9    | 88.9    | 88.9    |
| GE 300                | 7.4                              | 90.5     | 93.5     | 94.9     | 95.5     | 95.7     | 95.7     | 95.7     | 95.7     | 95.7     | 95.7     | 95.7     | 95.7    | 95.7    | 95.7    | 95.7    |
| GE 250                | 7.6                              | 92.1     | 95.1     | 96.7     | 97.3     | 97.6     | 97.6     | 97.7     | 97.7     | 97.7     | 97.7     | 97.7     | 97.7    | 97.7    | 97.7    | 97.7    |
| GE 200                | 7.6                              | 92.5     | 95.7     | 97.5     | 98.2     | 98.6     | 98.6     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8    | 98.8    | 98.8    | 98.8    |
| GE 180                | 7.6                              | 92.5     | 95.7     | 97.5     | 98.2     | 98.6     | 98.6     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8    | 98.8    | 98.8    | 98.8    |
| GE 150                | 7.6                              | 92.5     | 95.7     | 97.6     | 98.3     | 98.7     | 98.7     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9    | 98.9    | 98.9    | 98.9    |
| GE 120                | 7.6                              | 92.8     | 96.3     | 98.2     | 99.0     | 99.3     | 99.3     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.6    |
| GE 100                | 7.6                              | 92.8     | 96.5     | 98.3     | 99.1     | 99.4     | 99.4     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.7    | 99.7    |
| GE 90                 | 7.6                              | 92.8     | 96.5     | 98.3     | 99.1     | 99.4     | 99.4     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.7    | 99.7    |
| GE 80                 | 7.6                              | 92.8     | 96.5     | 98.3     | 99.1     | 99.4     | 99.4     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.7    | 99.7    |
| GE 70                 | 7.6                              | 92.9     | 96.6     | 98.4     | 99.2     | 99.6     | 99.6     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 60                 | 7.6                              | 92.9     | 96.6     | 98.4     | 99.2     | 99.6     | 99.6     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 50                 | 7.6                              | 92.9     | 96.6     | 98.4     | 99.2     | 99.6     | 99.6     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 40                 | 7.6                              | 92.9     | 96.6     | 98.4     | 99.3     | 99.7     | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 30                 | 7.6                              | 92.9     | 96.6     | 98.4     | 99.3     | 99.7     | 99.7     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 20                 | 7.6                              | 92.9     | 96.6     | 98.4     | 99.3     | 99.7     | 99.7     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 10                 | 7.6                              | 92.9     | 96.6     | 98.4     | 99.3     | 99.7     | 99.7     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE C                  | 7.6                              | 92.9     | 96.6     | 98.4     | 99.3     | 99.7     | 99.7     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 962

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENION ARS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GE<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 3.6                              | 36.0     | 36.3     | 36.3     | 36.3     | 36.3     | 36.3     | 36.3     | 36.3     | 36.3     | 36.4     | 36.4     | 36.4    | 36.4    | 36.4    | 36.4    |
| GE 20000              | 4.0                              | 48.0     | 48.4     | 48.5     | 48.5     | 48.5     | 48.5     | 48.5     | 48.5     | 48.5     | 48.7     | 48.7     | 48.7    | 48.7    | 48.7    | 48.7    |
| GE 18000              | 4.1                              | 49.7     | 50.1     | 50.2     | 50.2     | 50.6     | 50.6     | 50.6     | 50.6     | 50.6     | 50.7     | 50.7     | 50.7    | 50.7    | 50.7    | 50.7    |
| GE 16000              | 4.1                              | 50.2     | 50.7     | 50.8     | 50.8     | 51.1     | 51.1     | 51.1     | 51.1     | 51.1     | 51.2     | 51.2     | 51.2    | 51.2    | 51.2    | 51.2    |
| GE 14000              | 4.1                              | 50.2     | 50.7     | 50.8     | 50.8     | 51.1     | 51.1     | 51.1     | 51.1     | 51.1     | 51.2     | 51.2     | 51.2    | 51.2    | 51.2    | 51.2    |
| GE 12000              | 4.8                              | 56.1     | 56.9     | 57.0     | 57.0     | 57.4     | 57.4     | 57.5     | 57.5     | 57.5     | 57.6     | 57.6     | 57.6    | 57.6    | 57.6    | 57.6    |
| GE 10000              | 4.8                              | 60.2     | 61.3     | 61.5     | 61.5     | 61.9     | 61.9     | 62.1     | 62.1     | 62.1     | 62.2     | 62.2     | 62.2    | 62.2    | 62.2    | 62.2    |
| GE 9000               | 4.8                              | 62.1     | 63.3     | 63.5     | 63.5     | 64.0     | 64.0     | 64.2     | 64.2     | 64.2     | 64.3     | 64.3     | 64.3    | 64.3    | 64.3    | 64.3    |
| GE 8000               | 4.8                              | 63.7     | 65.2     | 65.5     | 65.5     | 66.0     | 66.0     | 66.2     | 66.2     | 66.2     | 66.4     | 66.4     | 66.4    | 66.4    | 66.4    | 66.4    |
| GE 7000               | 4.8                              | 63.7     | 65.2     | 65.5     | 65.5     | 66.0     | 66.0     | 66.2     | 66.2     | 66.2     | 66.4     | 66.4     | 66.4    | 66.4    | 66.4    | 66.4    |
| GE 6000               | 4.8                              | 63.7     | 65.2     | 65.5     | 65.5     | 66.0     | 66.0     | 66.2     | 66.2     | 66.2     | 66.4     | 66.4     | 66.4    | 66.4    | 66.4    | 66.4    |
| GE 5000               | 4.8                              | 72.4     | 73.9     | 74.2     | 74.2     | 74.7     | 74.7     | 74.9     | 74.9     | 74.9     | 75.1     | 75.1     | 75.1    | 75.1    | 75.1    | 75.1    |
| GE 4500               | 4.8                              | 73.0     | 74.4     | 74.8     | 74.8     | 75.2     | 75.2     | 75.4     | 75.4     | 75.4     | 75.7     | 75.7     | 75.7    | 75.7    | 75.7    | 75.7    |
| GE 4000               | 5.7                              | 83.1     | 85.0     | 85.4     | 85.4     | 85.8     | 85.8     | 86.0     | 86.0     | 86.0     | 86.3     | 86.3     | 86.3    | 86.3    | 86.3    | 86.3    |
| GE 3500               | 6.0                              | 87.6     | 89.5     | 89.8     | 89.8     | 90.3     | 90.3     | 90.5     | 90.5     | 90.5     | 90.7     | 90.7     | 90.7    | 90.7    | 90.7    | 90.7    |
| GE 3000               | 6.1                              | 92.0     | 94.5     | 95.2     | 95.3     | 95.8     | 95.8     | 96.0     | 96.0     | 96.0     | 96.2     | 96.2     | 96.2    | 96.2    | 96.2    | 96.2    |
| GE 2500               | 6.3                              | 93.2     | 95.8     | 96.7     | 96.8     | 97.2     | 97.2     | 97.4     | 97.4     | 97.4     | 97.7     | 97.7     | 97.7    | 97.7    | 97.7    | 97.7    |
| GE 2000               | 6.3                              | 94.1     | 96.8     | 97.7     | 97.8     | 98.2     | 98.2     | 98.4     | 98.4     | 98.4     | 98.7     | 98.7     | 98.7    | 98.7    | 98.7    | 98.7    |
| GE 1800               | 6.3                              | 94.1     | 96.8     | 97.7     | 97.8     | 98.2     | 98.2     | 98.4     | 98.4     | 98.4     | 98.7     | 98.7     | 98.7    | 98.7    | 98.7    | 98.7    |
| GE 1500               | 6.3                              | 94.1     | 96.8     | 97.7     | 97.9     | 98.3     | 98.3     | 98.7     | 98.7     | 98.7     | 98.9     | 98.9     | 98.9    | 98.9    | 98.9    | 98.9    |
| GE 1200               | 6.3                              | 94.2     | 97.0     | 98.0     | 98.2     | 98.7     | 98.7     | 99.0     | 99.0     | 99.0     | 99.2     | 99.2     | 99.2    | 99.2    | 99.2    | 99.2    |
| GE 1000               | 6.3                              | 94.2     | 97.0     | 98.0     | 98.2     | 98.7     | 98.7     | 99.0     | 99.0     | 99.0     | 99.2     | 99.2     | 99.2    | 99.2    | 99.2    | 99.2    |
| GE 900                | 6.3                              | 94.2     | 97.0     | 98.0     | 98.2     | 98.7     | 98.7     | 99.0     | 99.0     | 99.0     | 99.2     | 99.2     | 99.2    | 99.2    | 99.2    | 99.2    |
| GE 800                | 6.3                              | 94.2     | 97.0     | 98.0     | 98.2     | 98.7     | 98.7     | 99.0     | 99.0     | 99.0     | 99.2     | 99.2     | 99.2    | 99.2    | 99.2    | 99.2    |
| GE 700                | 6.3                              | 94.4     | 97.2     | 98.3     | 98.5     | 99.0     | 99.0     | 99.3     | 99.3     | 99.3     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.6    |
| GE 600                | 6.3                              | 94.4     | 97.2     | 98.3     | 98.5     | 99.0     | 99.0     | 99.3     | 99.3     | 99.3     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.6    |
| GE 500                | 6.3                              | 94.4     | 97.2     | 98.3     | 98.5     | 99.0     | 99.0     | 99.4     | 99.4     | 99.4     | 99.7     | 99.7     | 99.7    | 99.7    | 99.7    | 99.7    |
| GE 400                | 6.3                              | 94.4     | 97.2     | 98.5     | 98.8     | 99.2     | 99.2     | 99.8     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 300                | 6.3                              | 94.4     | 97.2     | 98.5     | 98.8     | 99.2     | 99.2     | 99.8     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 200                | 6.3                              | 94.4     | 97.2     | 98.5     | 98.8     | 99.2     | 99.2     | 99.8     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 100                | 6.3                              | 94.4     | 97.2     | 98.5     | 98.8     | 99.2     | 99.2     | 99.8     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 0                  | 6.3                              | 94.4     | 97.2     | 98.5     | 98.8     | 99.2     | 99.2     | 99.8     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 896

GLOBAL CLIMATOLOGY BRANCH  
 USAF/JAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: MAR HOURS(LST): 1807-2000

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------------|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                       | 160                              | 90   | 80   | 60   | 48   | 40   | 32   | 24   | 20   | 16   | 12   | 10   | 8    | 5    | 4    | 0    |       |
| NO CEIL               | 3.2                              | 36.2 | 36.8 | 37.0 | 37.0 | 37.1 | 37.1 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2  |
| GE 20000              | 3.2                              | 47.4 | 48.0 | 48.2 | 48.3 | 48.4 | 48.4 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6  |
| GE 18000              | 3.2                              | 48.4 | 49.0 | 49.2 | 49.3 | 49.4 | 49.4 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6  |
| GE 16000              | 3.2                              | 48.7 | 49.2 | 49.4 | 49.6 | 49.7 | 49.7 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8  |
| GE 14000              | 3.2                              | 48.7 | 49.2 | 49.4 | 49.6 | 49.7 | 49.7 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8  |
| GE 12000              | 3.6                              | 52.9 | 53.4 | 53.7 | 53.8 | 53.9 | 53.9 | 54.0 | 54.0 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1  |
| GE 10000              | 3.6                              | 57.4 | 58.2 | 58.6 | 58.7 | 58.9 | 58.9 | 59.0 | 59.0 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1  |
| GE 9000               | 3.6                              | 59.4 | 60.2 | 60.6 | 60.7 | 60.9 | 60.9 | 61.0 | 61.0 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1  |
| GE 8000               | 3.6                              | 59.9 | 60.9 | 61.2 | 61.3 | 61.6 | 61.6 | 61.7 | 61.7 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8  |
| GE 7000               | 3.6                              | 59.9 | 60.9 | 61.2 | 61.3 | 61.6 | 61.6 | 61.7 | 61.7 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8  |
| GE 6000               | 3.6                              | 59.9 | 60.9 | 61.2 | 61.3 | 61.6 | 61.6 | 61.7 | 61.7 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8  |
| GE 5000               | 3.7                              | 74.3 | 75.3 | 75.7 | 75.8 | 76.0 | 76.0 | 76.2 | 76.2 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3  |
| GE 4500               | 3.7                              | 74.8 | 75.8 | 76.1 | 76.2 | 76.4 | 76.4 | 76.7 | 76.7 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8  |
| GE 4000               | 4.3                              | 82.0 | 83.0 | 83.8 | 83.9 | 84.1 | 84.1 | 84.4 | 84.4 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6  |
| GE 3500               | 4.3                              | 86.6 | 87.7 | 88.6 | 88.7 | 88.9 | 88.9 | 89.2 | 89.2 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3  |
| GE 3000               | 4.3                              | 91.0 | 92.7 | 94.3 | 94.4 | 94.7 | 94.8 | 95.2 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3  |
| GE 2500               | 4.3                              | 92.8 | 94.7 | 96.8 | 97.0 | 97.2 | 97.3 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1  |
| GE 2000               | 4.3                              | 92.9 | 94.8 | 97.0 | 97.2 | 97.4 | 97.6 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3  |
| GE 1800               | 4.3                              | 92.9 | 94.8 | 97.0 | 97.2 | 97.4 | 97.6 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3  |
| GE 1500               | 4.3                              | 92.9 | 94.8 | 97.0 | 97.2 | 97.4 | 97.6 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3  |
| GE 1200               | 4.4                              | 93.2 | 95.6 | 97.9 | 98.1 | 98.3 | 98.4 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2  |
| GE 1000               | 4.4                              | 93.2 | 95.6 | 97.9 | 98.1 | 98.3 | 98.4 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2  |
| GE 900                | 4.4                              | 93.2 | 95.6 | 97.9 | 98.1 | 98.3 | 98.4 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2  |
| GE 800                | 4.4                              | 93.2 | 95.6 | 97.9 | 98.1 | 98.3 | 98.4 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2  |
| GE 700                | 4.4                              | 93.6 | 96.0 | 98.3 | 98.6 | 98.8 | 98.9 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7  |
| GE 600                | 4.4                              | 93.6 | 96.0 | 98.3 | 98.6 | 98.8 | 98.9 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7  |
| GE 500                | 4.4                              | 93.6 | 96.0 | 98.3 | 98.6 | 98.8 | 98.9 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7  |
| GE 400                | 4.4                              | 93.7 | 96.1 | 98.6 | 98.8 | 99.0 | 99.1 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9  |
| GE 300                | 4.4                              | 93.7 | 96.1 | 98.6 | 98.8 | 99.0 | 99.1 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9  |
| GE 200                | 4.4                              | 93.7 | 96.1 | 98.6 | 98.8 | 99.0 | 99.1 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 0                  | 4.4                              | 93.7 | 96.1 | 98.6 | 98.8 | 99.0 | 99.1 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 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: 16716C STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | GT<br>160 | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |         |         |         |         |      |      |      |       |
|-----------------------|-----------|----------|----------|----------|----------|----------|----------------------------------|----------|----------|----------|----------|----------|---------|---------|---------|---------|------|------|------|-------|
|                       |           |          |          |          |          |          | GE<br>32                         | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |      |      |      |       |
| NO CEIL               | 2.0       | 36.0     | 36.2     | 36.2     | 36.3     | 36.3     | 36.3                             | 36.3     | 36.3     | 36.3     | 36.3     | 36.3     | 36.3    | 36.3    | 36.3    | 36.3    | 36.3 | 36.3 | 36.3 | 36.3  |
| GE 20000              | 2.4       | 41.1     | 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    | 41.4    | 41.4 | 41.4 | 41.4 | 41.4  |
| GE 18000              | 2.4       | 41.7     | 41.9     | 41.9     | 42.1     | 42.1     | 42.1                             | 42.1     | 42.1     | 42.1     | 42.1     | 42.1     | 42.1    | 42.1    | 42.1    | 42.1    | 42.1 | 42.1 | 42.1 | 42.1  |
| GE 16000              | 2.4       | 41.9     | 42.1     | 42.1     | 42.3     | 42.3     | 42.3                             | 42.3     | 42.3     | 42.3     | 42.3     | 42.3     | 42.3    | 42.3    | 42.3    | 42.3    | 42.3 | 42.3 | 42.3 | 42.3  |
| GE 14000              | 2.4       | 42.1     | 42.3     | 42.3     | 42.6     | 42.6     | 42.6                             | 42.6     | 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 12000              | 2.9       | 48.1     | 48.3     | 48.3     | 48.6     | 48.6     | 48.6                             | 48.6     | 48.6     | 48.6     | 48.6     | 48.6     | 48.6    | 48.6    | 48.6    | 48.6    | 48.6 | 48.6 | 48.6 | 48.6  |
| GE 10000              | 2.9       | 53.0     | 53.2     | 53.2     | 53.4     | 53.4     | 53.4                             | 53.4     | 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               | 2.9       | 55.8     | 56.0     | 56.0     | 56.2     | 56.2     | 56.2                             | 56.2     | 56.2     | 56.2     | 56.2     | 56.2     | 56.2    | 56.2    | 56.2    | 56.2    | 56.2 | 56.2 | 56.2 | 56.2  |
| GE 8000               | 2.9       | 56.1     | 56.3     | 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    | 56.6 | 56.6 | 56.6 | 56.6  |
| GE 7000               | 2.9       | 56.2     | 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    | 56.7 | 56.7 | 56.7 | 56.7  |
| GE 6000               | 2.9       | 56.2     | 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    | 56.7 | 56.7 | 56.7 | 56.7  |
| GE 5000               | 2.9       | 79.2     | 79.4     | 79.4     | 79.7     | 79.7     | 79.7                             | 79.7     | 79.7     | 79.7     | 79.7     | 79.7     | 79.7    | 79.7    | 79.7    | 79.7    | 79.7 | 79.7 | 79.7 | 79.7  |
| GE 4500               | 2.9       | 79.4     | 79.7     | 79.7     | 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  |
| GE 4000               | 3.1       | 84.7     | 84.9     | 85.0     | 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 | 85.2 | 85.2 | 85.2  |
| GE 3500               | 3.1       | 88.6     | 88.8     | 89.0     | 89.3     | 89.3     | 89.3                             | 89.3     | 89.3     | 89.3     | 89.3     | 89.3     | 89.3    | 89.3    | 89.3    | 89.3    | 89.3 | 89.3 | 89.3 | 89.3  |
| GE 3000               | 3.1       | 93.0     | 93.8     | 94.4     | 94.7     | 94.7     | 94.7                             | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7    | 94.7    | 94.7    | 94.7    | 94.7 | 94.7 | 94.7 | 94.7  |
| GE 2500               | 3.1       | 95.0     | 96.4     | 97.3     | 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 | 97.6 | 97.6 | 97.6  |
| GE 2000               | 3.1       | 95.6     | 97.0     | 97.9     | 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 | 98.2 | 98.2 | 98.2  |
| GE 1800               | 3.1       | 95.6     | 97.0     | 97.9     | 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 | 98.2 | 98.2 | 98.2  |
| GE 1600               | 3.1       | 95.6     | 97.0     | 97.9     | 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 | 98.2 | 98.2 | 98.2  |
| GE 1400               | 3.1       | 96.3     | 97.9     | 99.0     | 99.3     | 99.3     | 99.3                             | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.3    | 99.3 | 99.3 | 99.3 | 99.3  |
| GE 1200               | 3.1       | 96.3     | 97.9     | 99.0     | 99.3     | 99.3     | 99.3                             | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.3    | 99.3 | 99.3 | 99.3 | 99.3  |
| GE 1000               | 3.1       | 96.3     | 97.9     | 99.0     | 99.3     | 99.3     | 99.3                             | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.3    | 99.3 | 99.3 | 99.3 | 99.3  |
| GE 900                | 3.1       | 96.3     | 97.9     | 99.0     | 99.3     | 99.3     | 99.3                             | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.3    | 99.3 | 99.3 | 99.3 | 99.3  |
| GE 800                | 3.1       | 96.3     | 97.9     | 99.0     | 99.3     | 99.3     | 99.3                             | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.3    | 99.3 | 99.3 | 99.3 | 99.3  |
| GE 700                | 3.1       | 96.6     | 98.1     | 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 | 99.7 | 99.7 | 99.7  |
| GE 600                | 3.1       | 96.6     | 98.1     | 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 | 99.7 | 99.7 | 99.7  |
| GE 500                | 3.1       | 96.6     | 98.1     | 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 | 99.7 | 99.7 | 99.7  |
| GE 400                | 3.1       | 96.6     | 98.1     | 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 | 99.7 | 99.7 | 99.7  |
| GE 300                | 3.1       | 96.6     | 98.1     | 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 | 99.7 | 99.7 | 99.7  |
| GE 200                | 3.1       | 96.6     | 98.1     | 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 | 99.7 | 99.7 | 99.7  |
| GE 100                | 3.1       | 96.6     | 98.1     | 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 | 99.7 | 99.7 | 99.7  |
| GE CI                 | 3.1       | 96.6     | 98.1     | 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 | 99.7 | 99.7 | 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: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GE<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 2.8                              | 32.3     | 33.8     | 34.3     | 34.4     | 34.5     | 34.5     | 34.5     | 34.5     | 34.5     | 34.5     | 34.5     | 34.6    | 34.6    | 34.6    | 34.6    |
| GE 2000               | 3.1                              | 40.6     | 42.4     | 43.1     | 43.3     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4    | 43.5    | 43.5    | 43.5    |
| GE 1800               | 3.1                              | 41.4     | 43.3     | 43.9     | 44.2     | 44.3     | 44.3     | 44.3     | 44.3     | 44.3     | 44.3     | 44.3     | 44.4    | 44.4    | 44.4    | 44.4    |
| GE 1600               | 3.1                              | 41.7     | 43.5     | 44.1     | 44.4     | 44.5     | 44.5     | 44.6     | 44.6     | 44.6     | 44.6     | 44.6     | 44.6    | 44.6    | 44.6    | 44.6    |
| GE 1400               | 3.1                              | 41.7     | 43.6     | 44.3     | 44.5     | 44.7     | 44.7     | 44.7     | 44.7     | 44.7     | 44.7     | 44.7     | 44.7    | 44.7    | 44.7    | 44.7    |
| GE 1200               | 3.7                              | 47.6     | 49.6     | 50.4     | 50.6     | 50.8     | 50.8     | 50.8     | 50.8     | 50.8     | 50.8     | 50.8     | 50.9    | 50.9    | 50.9    | 50.9    |
| GE 1000               | 3.8                              | 52.4     | 54.5     | 55.4     | 55.7     | 55.8     | 55.8     | 55.9     | 55.9     | 55.9     | 55.9     | 55.9     | 55.9    | 55.9    | 55.9    | 55.9    |
| GE 900                | 3.8                              | 55.1     | 57.3     | 58.2     | 58.5     | 58.7     | 58.7     | 58.7     | 58.7     | 58.7     | 58.7     | 58.7     | 58.8    | 58.8    | 58.8    | 58.8    |
| GE 800                | 3.8                              | 55.8     | 58.1     | 59.0     | 59.3     | 59.5     | 59.5     | 59.5     | 59.5     | 59.5     | 59.5     | 59.6     | 59.6    | 59.6    | 59.6    | 59.6    |
| GE 700                | 3.8                              | 55.8     | 58.2     | 59.1     | 59.4     | 59.5     | 59.5     | 59.6     | 59.6     | 59.6     | 59.6     | 59.6     | 59.6    | 59.7    | 59.7    | 59.7    |
| GE 600                | 3.8                              | 55.8     | 58.2     | 59.1     | 59.4     | 59.5     | 59.5     | 59.6     | 59.6     | 59.6     | 59.6     | 59.6     | 59.6    | 59.7    | 59.7    | 59.7    |
| GE 500                | 3.8                              | 72.9     | 75.3     | 76.2     | 76.5     | 76.6     | 76.6     | 76.7     | 76.7     | 76.7     | 76.7     | 76.7     | 76.8    | 76.8    | 76.8    | 76.8    |
| GE 450                | 3.8                              | 73.2     | 75.6     | 76.5     | 76.8     | 76.9     | 76.9     | 77.0     | 77.0     | 77.0     | 77.0     | 77.0     | 77.1    | 77.1    | 77.1    | 77.1    |
| GE 400                | 4.4                              | 80.2     | 82.8     | 83.8     | 84.1     | 84.3     | 84.3     | 84.3     | 84.3     | 84.3     | 84.3     | 84.4     | 84.4    | 84.4    | 84.4    | 84.4    |
| GE 350                | 4.5                              | 85.0     | 87.7     | 88.8     | 89.1     | 89.3     | 89.3     | 89.4     | 89.4     | 89.4     | 89.4     | 89.4     | 89.4    | 89.5    | 89.5    | 89.5    |
| GE 300                | 4.6                              | 89.8     | 93.0     | 94.4     | 94.8     | 95.0     | 95.0     | 95.1     | 95.1     | 95.1     | 95.1     | 95.2     | 95.2    | 95.2    | 95.2    | 95.2    |
| GE 250                | 4.6                              | 91.4     | 94.9     | 96.6     | 97.0     | 97.2     | 97.2     | 97.4     | 97.4     | 97.4     | 97.5     | 97.5     | 97.5    | 97.5    | 97.5    | 97.6    |
| GE 200                | 4.6                              | 91.9     | 95.5     | 97.3     | 97.9     | 98.1     | 98.1     | 98.3     | 98.3     | 98.4     | 98.4     | 98.4     | 98.4    | 98.4    | 98.5    | 98.5    |
| GE 180                | 4.6                              | 91.9     | 95.5     | 97.3     | 97.9     | 98.1     | 98.1     | 98.3     | 98.3     | 98.4     | 98.4     | 98.4     | 98.4    | 98.5    | 98.5    | 98.5    |
| GE 150                | 4.6                              | 92.0     | 95.6     | 97.4     | 98.0     | 98.2     | 98.2     | 98.4     | 98.5     | 98.5     | 98.5     | 98.5     | 98.6    | 98.6    | 98.6    | 98.6    |
| GE 120                | 4.7                              | 92.5     | 96.3     | 98.2     | 98.8     | 99.0     | 99.0     | 99.2     | 99.3     | 99.3     | 99.3     | 99.4     | 99.4    | 99.4    | 99.4    | 99.4    |
| GE 100                | 4.7                              | 92.5     | 96.3     | 98.2     | 98.8     | 99.0     | 99.1     | 99.3     | 99.3     | 99.3     | 99.3     | 99.4     | 99.4    | 99.4    | 99.4    | 99.4    |
| GE 90                 | 4.7                              | 92.5     | 96.3     | 98.2     | 98.8     | 99.0     | 99.1     | 99.3     | 99.3     | 99.3     | 99.3     | 99.4     | 99.4    | 99.4    | 99.4    | 99.4    |
| GE 80                 | 4.7                              | 92.5     | 96.3     | 98.3     | 98.8     | 99.1     | 99.1     | 99.3     | 99.3     | 99.3     | 99.4     | 99.4     | 99.4    | 99.4    | 99.4    | 99.5    |
| GE 70                 | 4.7                              | 92.6     | 96.5     | 98.5     | 99.1     | 99.3     | 99.4     | 99.6     | 99.6     | 99.6     | 99.7     | 99.7     | 99.7    | 99.7    | 99.7    | 99.7    |
| GE 60                 | 4.7                              | 92.6     | 96.5     | 98.5     | 99.1     | 99.4     | 99.4     | 99.6     | 99.6     | 99.6     | 99.7     | 99.7     | 99.7    | 99.7    | 99.8    | 99.8    |
| GE 50                 | 4.7                              | 92.6     | 96.5     | 98.5     | 99.1     | 99.4     | 99.4     | 99.6     | 99.6     | 99.7     | 99.7     | 99.7     | 99.7    | 99.8    | 99.8    | 99.8    |
| GE 40                 | 4.7                              | 92.6     | 96.5     | 98.5     | 99.2     | 99.5     | 99.5     | 99.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8    | 99.9    | 99.9    | 99.9    |
| GE 30                 | 4.7                              | 92.6     | 96.5     | 98.5     | 99.2     | 99.5     | 99.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.9    | 99.9    | 99.9    |
| GE 20                 | 4.7                              | 92.6     | 96.5     | 98.5     | 99.2     | 99.5     | 99.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 10                 | 4.7                              | 92.6     | 96.5     | 98.5     | 99.2     | 99.5     | 99.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE                    | 4.7                              | 92.6     | 96.5     | 98.5     | 99.2     | 99.5     | 99.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9    | 99.9    | 99.9    | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | GT<br>16" | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|-----------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       |           | GE<br>90                         | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>3 |
| NO CEIL               | 2.5       | 32.8                             | 33.0     | 33.4     | 33.4     | 33.4     | 33.4     | 33.4     | 33.4     | 33.4     | 33.4     | 33.4     | 33.4    | 33.4    | 33.4    | 33.4    |
| GE 20000              | 2.7       | 36.7                             | 37.0     | 37.4     | 37.4     | 37.4     | 37.4     | 37.4     | 37.4     | 37.4     | 37.4     | 37.4     | 37.4    | 37.4    | 37.4    | 37.4    |
| GE 18000              | 2.7       | 36.8                             | 37.1     | 37.5     | 37.5     | 37.5     | 37.5     | 37.5     | 37.5     | 37.5     | 37.5     | 37.5     | 37.5    | 37.5    | 37.5    | 37.5    |
| GE 16000              | 2.7       | 37.0                             | 37.4     | 37.7     | 37.7     | 37.7     | 37.7     | 37.7     | 37.7     | 37.7     | 37.7     | 37.7     | 37.7    | 37.7    | 37.7    | 37.7    |
| GE 14000              | 2.7       | 37.0                             | 37.4     | 37.7     | 37.7     | 37.7     | 37.7     | 37.7     | 37.7     | 37.7     | 37.7     | 37.7     | 37.7    | 37.7    | 37.7    | 37.7    |
| GE 12000              | 3.2       | 42.2                             | 42.5     | 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    |
| GE 10000              | 3.2       | 47.8                             | 48.2     | 48.6     | 48.6     | 48.6     | 48.6     | 48.6     | 48.6     | 48.6     | 48.6     | 48.6     | 48.6    | 48.6    | 48.6    | 48.6    |
| GE 9000               | 3.2       | 50.2                             | 51.0     | 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 8000               | 3.2       | 50.4                             | 51.2     | 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 7000               | 3.2       | 50.4                             | 51.2     | 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 6000               | 3.2       | 50.4                             | 51.2     | 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 5000               | 3.2       | 86.6                             | 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    | 87.8    |
| GE 4500               | 3.2       | 86.7                             | 87.5     | 87.9     | 87.9     | 87.9     | 87.9     | 87.9     | 87.9     | 87.9     | 87.9     | 87.9     | 87.9    | 87.9    | 87.9    | 87.9    |
| GE 4000               | 3.4       | 90.9                             | 91.7     | 92.1     | 92.1     | 92.1     | 92.1     | 92.1     | 92.1     | 92.1     | 92.1     | 92.1     | 92.1    | 92.1    | 92.1    | 92.1    |
| GE 3500               | 3.4       | 93.4                             | 94.2     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7    | 94.7    | 94.7    | 94.7    |
| GE 3000               | 3.4       | 96.0                             | 97.3     | 98.1     | 98.1     | 98.2     | 98.2     | 98.2     | 98.2     | 98.2     | 98.2     | 98.2     | 98.2    | 98.2    | 98.2    | 98.2    |
| GE 2500               | 3.4       | 96.7                             | 98.3     | 99.2     | 99.2     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4    | 99.4    | 99.4    | 99.4    |
| GE 2000               | 3.4       | 96.7                             | 98.4     | 99.3     | 99.3     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5    | 99.5    | 99.5    | 99.5    |
| GE 1800               | 3.4       | 96.7                             | 98.4     | 99.3     | 99.3     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5    | 99.5    | 99.5    | 99.5    |
| GE 1500               | 3.4       | 96.7                             | 98.4     | 99.3     | 99.3     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5    | 99.5    | 99.5    | 99.5    |
| GE 1200               | 3.4       | 96.9                             | 98.6     | 99.5     | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 1000               | 3.4       | 96.9                             | 98.6     | 99.5     | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 900                | 3.4       | 96.9                             | 98.6     | 99.5     | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 800                | 3.4       | 96.9                             | 98.6     | 99.5     | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 700                | 3.4       | 97.0                             | 98.7     | 99.7     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 600                | 3.4       | 97.0                             | 98.7     | 99.7     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 500                | 3.4       | 97.0                             | 98.7     | 99.7     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 400                | 3.4       | 97.0                             | 98.7     | 99.7     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 300                | 3.4       | 97.0                             | 98.7     | 99.7     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 200                | 3.4       | 97.0                             | 98.7     | 99.7     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 100                | 3.4       | 97.0                             | 98.7     | 99.7     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GF 0                  | 3.4       | 97.0                             | 98.7     | 99.7     | 99.8     | 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: 875



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON AFB/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GE<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 2.5                              | 30.6     | 32.0     | 32.6     | 32.9     | 32.9     | 32.9     | 32.9     | 32.9     | 32.9     | 32.9     | 32.9     | 32.9    | 32.9    | 32.9    | 33.1    |
| GE 2000               | 2.5                              | 34.6     | 36.2     | 36.9     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2    | 37.2    | 37.2    | 37.5    |
| GE 1800               | 2.5                              | 34.7     | 36.3     | 37.0     | 37.4     | 37.4     | 37.4     | 37.4     | 37.4     | 37.4     | 37.4     | 37.4     | 37.4    | 37.4    | 37.4    | 37.6    |
| GE 1600               | 2.5                              | 35.0     | 36.6     | 37.2     | 37.6     | 37.6     | 37.6     | 37.6     | 37.6     | 37.6     | 37.6     | 37.6     | 37.6    | 37.6    | 37.6    | 37.8    |
| GE 1400               | 2.5                              | 35.0     | 36.6     | 37.2     | 37.6     | 37.6     | 37.6     | 37.6     | 37.6     | 37.6     | 37.6     | 37.6     | 37.6    | 37.6    | 37.6    | 37.8    |
| GE 1200               | 3.1                              | 40.0     | 41.8     | 42.6     | 42.9     | 42.9     | 42.9     | 42.9     | 42.9     | 42.9     | 42.9     | 42.9     | 42.9    | 42.9    | 42.9    | 43.2    |
| GE 1000               | 3.1                              | 45.7     | 47.5     | 48.4     | 48.7     | 48.7     | 48.7     | 48.7     | 48.7     | 48.7     | 48.7     | 48.7     | 48.7    | 48.7    | 48.7    | 49.0    |
| GE 900                | 3.1                              | 48.4     | 50.2     | 51.1     | 51.5     | 51.5     | 51.5     | 51.5     | 51.5     | 51.5     | 51.5     | 51.5     | 51.5    | 51.5    | 51.5    | 51.9    |
| GE 800                | 3.1                              | 48.5     | 50.5     | 51.4     | 51.7     | 51.7     | 51.7     | 51.7     | 51.7     | 51.7     | 51.7     | 51.7     | 51.7    | 51.7    | 51.7    | 51.9    |
| GE 700                | 3.1                              | 48.5     | 50.5     | 51.4     | 51.7     | 51.7     | 51.7     | 51.7     | 51.7     | 51.7     | 51.7     | 51.7     | 51.7    | 51.7    | 51.7    | 51.9    |
| GE 600                | 3.1                              | 48.5     | 50.5     | 51.4     | 51.7     | 51.7     | 51.7     | 51.7     | 51.7     | 51.7     | 51.7     | 51.7     | 51.7    | 51.7    | 51.7    | 51.9    |
| GE 500                | 3.1                              | 84.5     | 86.4     | 87.4     | 87.7     | 87.7     | 87.7     | 87.7     | 87.7     | 87.7     | 87.7     | 87.7     | 87.7    | 87.7    | 87.7    | 87.9    |
| GE 450                | 3.1                              | 84.5     | 86.4     | 87.4     | 87.7     | 87.7     | 87.7     | 87.7     | 87.7     | 87.7     | 87.7     | 87.7     | 87.7    | 87.7    | 87.7    | 87.9    |
| GE 400                | 3.4                              | 88.6     | 90.7     | 91.7     | 92.0     | 92.0     | 92.0     | 92.0     | 92.0     | 92.0     | 92.0     | 92.0     | 92.0    | 92.0    | 92.0    | 92.3    |
| GE 350                | 3.4                              | 91.0     | 93.1     | 94.3     | 94.6     | 94.6     | 94.6     | 94.6     | 94.6     | 94.6     | 94.6     | 94.6     | 94.6    | 94.6    | 94.6    | 94.9    |
| GE 300                | 3.4                              | 93.8     | 96.2     | 97.5     | 97.8     | 97.8     | 97.8     | 97.8     | 97.8     | 97.8     | 97.8     | 97.8     | 97.8    | 97.8    | 97.8    | 98.1    |
| GE 250                | 3.4                              | 94.1     | 96.7     | 98.2     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6    | 98.6    | 98.6    | 98.9    |
| GE 200                | 3.4                              | 94.2     | 96.9     | 98.5     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0    | 99.0    | 99.0    | 99.2    |
| GE 180                | 3.4                              | 94.2     | 96.9     | 98.5     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0    | 99.0    | 99.0    | 99.2    |
| GE 150                | 3.4                              | 94.3     | 97.0     | 98.6     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1    | 99.1    | 99.1    | 99.3    |
| GE 120                | 3.4                              | 94.4     | 97.6     | 99.2     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.7    | 99.9    |
| GE 100                | 3.4                              | 94.4     | 97.6     | 99.2     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.7    | 99.9    |
| GE 90                 | 3.4                              | 94.4     | 97.6     | 99.2     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.7    | 99.9    |
| GE 80                 | 3.4                              | 94.4     | 97.6     | 99.2     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.7    | 99.9    |
| GE 70                 | 3.4                              | 94.4     | 97.6     | 99.2     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.7    | 99.9    |
| GE 60                 | 3.4                              | 94.4     | 97.6     | 99.2     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.7    | 99.9    |
| GE 50                 | 3.4                              | 94.4     | 97.6     | 99.2     | 99.7     | 99.7     | 99.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 100.0   |
| GE 40                 | 3.4                              | 94.4     | 97.6     | 99.2     | 99.7     | 99.7     | 99.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 100.0   |
| GE 30                 | 3.4                              | 94.4     | 97.6     | 99.2     | 99.7     | 99.7     | 99.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 100.0   |
| GE 20                 | 3.4                              | 94.4     | 97.6     | 99.2     | 99.7     | 99.7     | 99.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 100.0   |
| GE 10                 | 3.4                              | 94.4     | 97.6     | 99.2     | 99.7     | 99.7     | 99.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 100.0   |
| GE 0                  | 3.4                              | 94.4     | 97.6     | 99.2     | 99.7     | 99.7     | 99.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 878

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 16716C STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |      |      |      |      |      |      |      |      |      |      |      |      |      |       |       |       |
|-----------------------|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
|                       | 1                                | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 12   | 14   | 16   | 18   | 20    | 24    |       |
| NO CEIL               | 4.4                              | 26.8 | 30.5 | 32.6 | 33.7 | 33.7 | 33.7 | 34.1 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.3 | 34.5  | 34.5  | 34.5  |
| GE 2000               | 4.7                              | 32.7 | 37.0 | 39.8 | 40.9 | 41.3 | 41.3 | 41.6 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.9 | 42.1  | 42.1  | 42.1  |
| GE 1800               | 4.7                              | 33.0 | 37.5 | 40.3 | 41.6 | 42.0 | 42.0 | 42.3 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.5 | 42.8  | 42.8  | 42.8  |
| GE 1600               | 4.7                              | 33.4 | 37.8 | 40.6 | 42.0 | 42.3 | 42.3 | 42.7 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.9 | 43.1  | 43.1  | 43.1  |
| GE 1400               | 4.7                              | 33.5 | 38.0 | 40.7 | 42.1 | 42.4 | 42.4 | 42.8 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 43.0 | 43.2  | 43.2  | 43.2  |
| GE 1200               | 6.0                              | 39.6 | 44.2 | 47.2 | 48.7 | 49.2 | 49.2 | 49.5 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.8 | 50.0  | 50.0  | 50.0  |
| GE 1000               | 6.0                              | 43.9 | 49.3 | 52.9 | 54.5 | 55.0 | 55.0 | 55.4 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.6 | 55.8  | 55.8  | 55.8  |
| GE 900                | 6.0                              | 48.1 | 53.6 | 57.2 | 58.8 | 59.4 | 59.4 | 59.7 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 60.0 | 60.2  | 60.2  | 60.2  |
| GE 800                | 6.0                              | 48.5 | 54.0 | 57.8 | 59.4 | 60.0 | 60.0 | 60.3 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.6 | 60.8  | 60.8  | 60.8  |
| GE 700                | 6.0                              | 48.5 | 54.0 | 57.8 | 59.4 | 60.0 | 60.0 | 60.3 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.6 | 60.8  | 60.8  | 60.8  |
| GE 600                | 6.0                              | 48.5 | 54.0 | 57.8 | 59.4 | 60.0 | 60.0 | 60.3 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.6 | 60.8  | 60.8  | 60.8  |
| GE 500                | 6.0                              | 76.7 | 82.2 | 86.0 | 87.6 | 88.2 | 88.2 | 88.5 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.8 | 89.0  | 89.0  | 89.0  |
| GE 450                | 6.0                              | 76.8 | 82.5 | 86.2 | 87.8 | 88.4 | 88.4 | 88.8 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 89.0 | 89.2  | 89.2  | 89.2  |
| GE 400                | 6.4                              | 79.7 | 85.7 | 89.8 | 91.4 | 92.0 | 92.0 | 92.3 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.5 | 92.8  | 92.8  | 92.8  |
| GE 350                | 6.4                              | 81.3 | 87.4 | 91.6 | 93.2 | 93.8 | 93.8 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.4 | 94.6  | 94.6  | 94.6  |
| GE 300                | 6.7                              | 83.6 | 90.0 | 94.4 | 96.0 | 96.6 | 96.6 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.1 | 97.4  | 97.4  | 97.4  |
| GE 250                | 6.7                              | 83.9 | 90.7 | 95.4 | 97.0 | 97.7 | 97.7 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.4 | 98.6  | 98.6  | 98.6  |
| GE 200                | 6.7                              | 84.1 | 90.8 | 95.5 | 97.1 | 97.8 | 97.8 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.5 | 98.7  | 98.7  | 98.7  |
| GE 1800               | 6.7                              | 84.1 | 90.8 | 95.5 | 97.1 | 97.8 | 97.8 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.5 | 98.7  | 98.7  | 98.7  |
| GE 1500               | 6.7                              | 84.1 | 90.8 | 95.5 | 97.1 | 97.8 | 97.8 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.5 | 98.7  | 98.7  | 98.7  |
| GE 1200               | 6.7                              | 84.4 | 91.5 | 96.2 | 97.8 | 98.5 | 98.5 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.4  | 99.4  | 99.4  |
| GE 1000               | 6.7                              | 84.4 | 91.5 | 96.2 | 97.8 | 98.5 | 98.5 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.4  | 99.4  | 99.4  |
| GE 900                | 6.7                              | 84.4 | 91.5 | 96.2 | 97.8 | 98.5 | 98.5 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.4  | 99.4  | 99.4  |
| GE 800                | 6.7                              | 84.4 | 91.5 | 96.2 | 97.8 | 98.6 | 98.6 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 | 99.5  | 99.5  | 99.5  |
| GE 700                | 6.7                              | 84.5 | 91.6 | 96.3 | 98.1 | 98.9 | 98.9 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.8  | 99.8  | 99.8  |
| GE 600                | 6.7                              | 84.5 | 91.6 | 96.3 | 98.1 | 98.9 | 98.9 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.8  | 99.8  | 99.8  |
| GE 500                | 6.7                              | 84.5 | 91.6 | 96.3 | 98.1 | 98.9 | 98.9 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.8  | 99.8  | 99.8  |
| GE 400                | 6.7                              | 84.6 | 91.7 | 96.4 | 98.2 | 99.0 | 99.0 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 |
| GE 300                | 6.7                              | 84.6 | 91.7 | 96.4 | 98.2 | 99.0 | 99.0 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 |
| GE 200                | 6.7                              | 84.6 | 91.7 | 96.4 | 98.2 | 99.0 | 99.0 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 |
| GE 100                | 6.7                              | 84.6 | 91.7 | 96.4 | 98.2 | 99.0 | 99.0 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 |
| GE 0                  | 6.7                              | 84.6 | 91.7 | 96.4 | 98.2 | 99.0 | 99.0 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 872

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VFRSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 16716C STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |      |      |      |      |      |      |      |      |      |      |       |       |       |       |       |
|-----------------------|----------------------------------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
|                       | 160                              | 90   | 80   | 60   | 48   | 40   | 32   | 24   | 20   | 16   | 12   | 10    | 8     | 5     | 4     | U     |
| NO CEIL               | 5.1                              | 32.8 | 36.9 | 39.2 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7  | 39.7  | 39.7  | 39.7  | 39.7  |
| GE 20000              | 6.1                              | 41.8 | 46.3 | 48.8 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6  | 49.6  | 49.6  | 49.6  | 49.6  |
| GE 18000              | 6.1                              | 42.3 | 47.0 | 49.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5  | 50.5  | 50.5  | 50.5  | 50.5  |
| GE 16000              | 6.1                              | 42.5 | 47.1 | 49.6 | 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              | 6.1                              | 42.7 | 47.3 | 50.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1  | 51.1  | 51.1  | 51.1  | 51.1  |
| GE 12000              | 7.6                              | 47.8 | 52.8 | 55.8 | 57.0 | 57.0 | 57.0 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1  | 57.1  | 57.1  | 57.1  | 57.1  |
| GE 10000              | 7.7                              | 50.6 | 56.1 | 59.6 | 61.0 | 61.0 | 61.0 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1  | 61.1  | 61.1  | 61.1  | 61.1  |
| GE 9000               | 7.8                              | 52.8 | 58.3 | 62.0 | 63.3 | 63.3 | 63.3 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5  | 63.5  | 63.5  | 63.5  | 63.5  |
| GE 8000               | 7.8                              | 54.4 | 59.9 | 63.8 | 65.3 | 65.3 | 65.3 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4  | 65.4  | 65.4  | 65.4  | 65.4  |
| GE 7000               | 7.8                              | 54.5 | 60.0 | 63.9 | 65.4 | 65.4 | 65.4 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6  | 65.6  | 65.6  | 65.6  | 65.6  |
| GE 6000               | 7.8                              | 54.5 | 60.0 | 63.9 | 65.4 | 65.4 | 65.4 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6  | 65.6  | 65.6  | 65.6  | 65.6  |
| GE 5000               | 7.8                              | 77.6 | 83.2 | 87.1 | 88.5 | 88.6 | 88.6 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8  | 88.8  | 88.8  | 88.8  | 88.8  |
| GE 4500               | 7.8                              | 78.1 | 83.7 | 87.5 | 89.0 | 89.1 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2  | 89.2  | 89.2  | 89.2  | 89.2  |
| GE 4000               | 8.3                              | 82.0 | 87.6 | 91.6 | 93.1 | 93.2 | 93.2 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5  | 93.5  | 93.5  | 93.5  | 93.5  |
| GE 3500               | 8.4                              | 83.5 | 89.6 | 93.5 | 95.0 | 95.1 | 95.1 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5  | 95.5  | 95.5  | 95.5  | 95.5  |
| GE 3000               | 8.5                              | 85.1 | 91.3 | 95.3 | 97.0 | 97.2 | 97.2 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  |
| GE 2500               | 8.5                              | 85.6 | 91.9 | 96.0 | 97.7 | 97.8 | 97.8 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  |
| GE 2000               | 8.5                              | 85.8 | 92.2 | 96.4 | 98.1 | 98.2 | 98.2 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  |
| GE 1800               | 8.5                              | 85.8 | 92.2 | 96.4 | 98.1 | 98.2 | 98.2 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  |
| GE 1500               | 8.5                              | 85.8 | 92.2 | 96.4 | 98.2 | 98.3 | 98.3 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  |
| GE 1200               | 8.5                              | 86.4 | 92.8 | 97.0 | 99.0 | 99.1 | 99.1 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  |
| GE 1000               | 8.5                              | 86.4 | 92.8 | 97.0 | 99.0 | 99.1 | 99.1 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  |
| GE 900                | 8.5                              | 86.4 | 92.8 | 97.0 | 99.0 | 99.1 | 99.1 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  |
| GE 800                | 8.5                              | 86.4 | 92.8 | 97.0 | 99.0 | 99.1 | 99.1 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  |
| GE 700                | 8.5                              | 86.5 | 93.0 | 97.2 | 99.1 | 99.2 | 99.2 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  |
| GE 600                | 8.5                              | 86.5 | 93.0 | 97.2 | 99.1 | 99.2 | 99.2 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  |
| GE 500                | 8.5                              | 86.6 | 93.1 | 97.3 | 99.2 | 99.3 | 99.3 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  |
| GE 400                | 8.5                              | 86.6 | 93.1 | 97.3 | 99.2 | 99.3 | 99.3 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300                | 8.5                              | 86.6 | 93.1 | 97.3 | 99.2 | 99.3 | 99.3 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200                | 8.5                              | 86.6 | 93.1 | 97.3 | 99.2 | 99.3 | 99.3 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100                | 8.5                              | 86.6 | 93.1 | 97.3 | 99.2 | 99.3 | 99.3 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0                  | 8.5                              | 86.6 | 93.1 | 97.3 | 99.2 | 99.3 | 99.3 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 981

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-67  
 MONTH: APR HOURS(LST): 1200-1400

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GE<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 6.6                              | 42.6     | 43.5     | 43.6     | 43.6     | 43.6     | 43.6     | 43.6     | 43.6     | 43.6     | 43.6     | 43.6     | 43.6    | 43.6    | 43.6    | 43.6    |
| GE 2000               | 7.4                              | 51.9     | 53.0     | 53.2     | 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 1800               | 7.4                              | 52.9     | 54.1     | 54.2     | 54.4     | 54.4     | 54.4     | 54.4     | 54.4     | 54.4     | 54.4     | 54.4     | 54.4    | 54.4    | 54.4    | 54.4    |
| GE 1600               | 7.6                              | 53.4     | 54.5     | 54.6     | 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 1400               | 7.6                              | 53.4     | 54.5     | 54.6     | 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 1200               | 9.4                              | 59.8     | 61.4     | 61.9     | 62.1     | 62.1     | 62.1     | 62.1     | 62.1     | 62.1     | 62.1     | 62.1     | 62.1    | 62.1    | 62.1    | 62.1    |
| GE 1000               | 9.6                              | 63.2     | 65.1     | 65.5     | 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 900                | 9.6                              | 64.7     | 66.6     | 67.0     | 67.2     | 67.2     | 67.2     | 67.2     | 67.2     | 67.2     | 67.2     | 67.2     | 67.2    | 67.2    | 67.2    | 67.2    |
| GE 800                | 9.7                              | 65.5     | 67.6     | 68.0     | 68.3     | 68.3     | 68.3     | 68.3     | 68.3     | 68.3     | 68.3     | 68.3     | 68.3    | 68.3    | 68.3    | 68.3    |
| GE 700                | 9.7                              | 65.5     | 67.6     | 68.0     | 68.3     | 68.3     | 68.3     | 68.3     | 68.3     | 68.3     | 68.3     | 68.3     | 68.3    | 68.3    | 68.3    | 68.3    |
| GE 600                | 9.7                              | 65.6     | 67.7     | 68.2     | 68.4     | 68.4     | 68.4     | 68.4     | 68.4     | 68.4     | 68.4     | 68.4     | 68.4    | 68.4    | 68.4    | 68.4    |
| GE 500                | 9.7                              | 82.4     | 84.4     | 84.9     | 85.1     | 85.1     | 85.1     | 85.1     | 85.1     | 85.1     | 85.1     | 85.1     | 85.1    | 85.1    | 85.1    | 85.1    |
| GE 450                | 9.7                              | 82.9     | 85.0     | 85.5     | 85.7     | 85.7     | 85.7     | 85.7     | 85.7     | 85.7     | 85.7     | 85.7     | 85.7    | 85.7    | 85.7    | 85.7    |
| GE 400                | 10.2                             | 88.2     | 90.4     | 91.1     | 91.3     | 91.3     | 91.4     | 91.4     | 91.4     | 91.4     | 91.4     | 91.4     | 91.4    | 91.4    | 91.4    | 91.4    |
| GE 350                | 10.2                             | 91.6     | 93.8     | 94.5     | 95.0     | 95.1     | 95.2     | 95.2     | 95.2     | 95.2     | 95.2     | 95.2     | 95.2    | 95.2    | 95.2    | 95.2    |
| GE 300                | 10.2                             | 93.5     | 96.1     | 96.8     | 97.3     | 97.4     | 97.5     | 97.5     | 97.5     | 97.5     | 97.5     | 97.5     | 97.5    | 97.5    | 97.5    | 97.5    |
| GE 250                | 10.2                             | 94.3     | 97.0     | 97.8     | 98.3     | 98.4     | 98.5     | 98.5     | 98.5     | 98.5     | 98.5     | 98.5     | 98.5    | 98.5    | 98.5    | 98.5    |
| GE 200                | 10.2                             | 94.4     | 97.1     | 98.3     | 98.7     | 98.9     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0    | 99.0    | 99.0    | 99.0    |
| GE 180                | 10.2                             | 94.4     | 97.3     | 98.5     | 99.0     | 99.1     | 99.2     | 99.2     | 99.2     | 99.2     | 99.2     | 99.2     | 99.2    | 99.2    | 99.2    | 99.2    |
| GE 150                | 10.2                             | 94.5     | 97.4     | 98.6     | 99.1     | 99.2     | 99.3     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4    | 99.4    | 99.4    | 99.4    |
| GE 120                | 10.2                             | 94.6     | 97.5     | 98.9     | 99.3     | 99.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 100                | 10.2                             | 94.6     | 97.5     | 98.9     | 99.3     | 99.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 90                 | 10.2                             | 94.6     | 97.5     | 98.9     | 99.3     | 99.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 80                 | 10.2                             | 94.6     | 97.5     | 98.9     | 99.3     | 99.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 70                 | 10.2                             | 94.6     | 97.5     | 98.9     | 99.3     | 99.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 60                 | 10.2                             | 94.6     | 97.5     | 98.9     | 99.3     | 99.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 50                 | 10.2                             | 94.6     | 97.5     | 98.9     | 99.3     | 99.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 40                 | 10.2                             | 94.6     | 97.5     | 98.9     | 99.3     | 99.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 30                 | 10.2                             | 94.6     | 97.5     | 98.9     | 99.3     | 99.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 20                 | 10.2                             | 94.6     | 97.5     | 98.9     | 99.3     | 99.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 10                 | 10.2                             | 94.6     | 97.5     | 98.9     | 99.3     | 99.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 0                  | 10.2                             | 94.6     | 97.5     | 98.9     | 99.3     | 99.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |

TOTAL NUMBER OF OBSERVATIONS: 873

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON APS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GE<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 5.6                              | 43.6     | 44.1     | 44.2     | 44.3     | 44.3     | 44.3     | 44.3     | 44.3     | 44.3     | 44.3     | 44.3     | 44.3    | 44.3    | 44.3    | 44.3    |
| GE 2000               | 6.2                              | 51.3     | 51.7     | 51.8     | 51.9     | 51.9     | 51.9     | 51.9     | 51.9     | 51.9     | 51.9     | 51.9     | 51.9    | 51.9    | 51.9    | 51.9    |
| GE 1800               | 6.2                              | 52.4     | 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    | 53.1    |
| GE 1600               | 6.2                              | 53.1     | 53.5     | 53.7     | 53.8     | 53.8     | 53.8     | 53.8     | 53.8     | 53.8     | 53.8     | 53.8     | 53.8    | 53.8    | 53.8    | 53.8    |
| GE 1400               | 6.2                              | 53.2     | 53.7     | 53.8     | 53.9     | 53.9     | 53.9     | 53.9     | 53.9     | 53.9     | 53.9     | 53.9     | 53.9    | 53.9    | 53.9    | 53.9    |
| GE 1200               | 7.9                              | 59.9     | 60.4     | 60.6     | 61.0     | 61.1     | 61.1     | 61.1     | 61.1     | 61.1     | 61.1     | 61.1     | 61.1    | 61.1    | 61.1    | 61.1    |
| GE 1000               | 8.1                              | 64.4     | 65.0     | 65.2     | 65.5     | 65.6     | 65.6     | 65.6     | 65.6     | 65.6     | 65.6     | 65.6     | 65.6    | 65.6    | 65.6    | 65.6    |
| GE 900                | 8.1                              | 66.3     | 67.0     | 67.5     | 67.8     | 67.9     | 67.9     | 67.9     | 67.9     | 67.9     | 67.9     | 67.9     | 67.9    | 67.9    | 67.9    | 67.9    |
| GE 800                | 8.1                              | 67.4     | 68.0     | 68.5     | 68.8     | 68.9     | 68.9     | 68.9     | 68.9     | 68.9     | 68.9     | 68.9     | 68.9    | 68.9    | 68.9    | 68.9    |
| GE 700                | 8.1                              | 67.4     | 68.0     | 68.5     | 68.8     | 68.9     | 68.9     | 68.9     | 68.9     | 68.9     | 68.9     | 68.9     | 68.9    | 68.9    | 68.9    | 68.9    |
| GE 600                | 8.1                              | 67.4     | 68.0     | 68.5     | 68.8     | 68.9     | 68.9     | 68.9     | 68.9     | 68.9     | 68.9     | 68.9     | 68.9    | 68.9    | 68.9    | 68.9    |
| GE 500                | 8.1                              | 83.3     | 84.0     | 84.5     | 84.8     | 84.9     | 84.9     | 84.9     | 84.9     | 84.9     | 84.9     | 84.9     | 84.9    | 84.9    | 84.9    | 84.9    |
| GE 400                | 8.1                              | 83.6     | 84.2     | 84.7     | 85.0     | 85.2     | 85.2     | 85.2     | 85.2     | 85.2     | 85.2     | 85.2     | 85.2    | 85.2    | 85.2    | 85.2    |
| GE 300                | 8.8                              | 90.0     | 90.6     | 91.2     | 91.7     | 91.8     | 91.8     | 91.8     | 91.8     | 91.8     | 91.8     | 91.8     | 91.8    | 91.8    | 91.8    | 91.8    |
| GE 200                | 9.0                              | 93.2     | 94.2     | 95.1     | 95.8     | 95.9     | 95.9     | 95.9     | 95.9     | 95.9     | 96.0     | 96.0     | 96.0    | 96.0    | 96.0    | 96.0    |
| GE 100                | 9.0                              | 95.1     | 96.2     | 97.1     | 97.8     | 97.9     | 97.9     | 97.9     | 97.9     | 98.1     | 98.1     | 98.1     | 98.1    | 98.1    | 98.1    | 98.1    |
| GE 2500               | 9.1                              | 96.5     | 97.6     | 98.7     | 99.4     | 99.5     | 99.5     | 99.5     | 99.5     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.7    | 99.7    |
| GE 2000               | 9.1                              | 96.6     | 97.7     | 99.0     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 1800               | 9.1                              | 96.6     | 97.7     | 99.0     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 1600               | 9.1                              | 96.6     | 97.7     | 99.0     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 1400               | 9.1                              | 96.6     | 97.7     | 99.1     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 1200               | 9.1                              | 96.6     | 97.7     | 99.1     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 1000               | 9.1                              | 96.6     | 97.7     | 99.1     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 900                | 9.1                              | 96.6     | 97.7     | 99.1     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 800                | 9.1                              | 96.6     | 97.7     | 99.1     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 700                | 9.1                              | 96.6     | 97.7     | 99.1     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 600                | 9.1                              | 96.6     | 97.7     | 99.1     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 500                | 9.1                              | 96.6     | 97.7     | 99.1     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 400                | 9.1                              | 96.6     | 97.7     | 99.1     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 300                | 9.1                              | 96.6     | 97.7     | 99.1     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 200                | 9.1                              | 96.6     | 97.7     | 99.1     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 100                | 9.1                              | 96.6     | 97.7     | 99.1     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 0                  | 9.1                              | 96.6     | 97.7     | 99.1     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 876

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM FOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: WELFNTKDN ABS/ATHENS GR

PERIOD OF RECORD: 78-87

MONTH: APR HOURS(LST): 1800-2400

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GE<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 4.7                              | 34.9     | 35.3     | 35.8     | 35.8     | 35.8     | 35.8     | 35.8     | 35.8     | 35.8     | 35.8     | 35.8     | 35.8    | 35.8    | 35.8    | 35.8    |
| GE 2000               | 5.0                              | 41.6     | 42.0     | 42.5     | 42.5     | 42.5     | 42.5     | 42.5     | 42.5     | 42.5     | 42.5     | 42.5     | 42.5    | 42.5    | 42.5    | 42.5    |
| GE 1800               | 5.0                              | 42.1     | 42.6     | 43.1     | 43.1     | 43.1     | 43.1     | 43.1     | 43.2     | 43.2     | 43.2     | 43.2     | 43.2    | 43.2    | 43.2    | 43.2    |
| GE 1600               | 5.0                              | 42.4     | 42.8     | 43.3     | 43.3     | 43.3     | 43.3     | 43.3     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4    | 43.4    | 43.4    | 43.4    |
| GE 1400               | 5.0                              | 42.5     | 42.9     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4     | 43.5     | 43.5     | 43.5     | 43.5     | 43.5    | 43.5    | 43.5    | 43.5    |
| GE 1200               | 6.4                              | 50.7     | 51.1     | 51.7     | 51.7     | 51.7     | 51.7     | 51.7     | 51.8     | 51.8     | 51.8     | 51.8     | 51.8    | 51.8    | 51.8    | 51.9    |
| GE 1000               | 6.5                              | 55.7     | 56.2     | 57.1     | 57.1     | 57.1     | 57.1     | 57.1     | 57.2     | 57.2     | 57.2     | 57.2     | 57.2    | 57.2    | 57.2    | 57.3    |
| GE 900                | 6.5                              | 58.7     | 59.2     | 60.1     | 60.1     | 60.1     | 60.1     | 60.1     | 60.3     | 60.3     | 60.3     | 60.3     | 60.3    | 60.3    | 60.3    | 60.4    |
| GE 800                | 6.5                              | 59.7     | 60.3     | 61.4     | 61.4     | 61.4     | 61.4     | 61.4     | 61.5     | 61.5     | 61.5     | 61.5     | 61.5    | 61.5    | 61.5    | 61.6    |
| GE 700                | 6.5                              | 59.8     | 60.4     | 61.5     | 61.5     | 61.5     | 61.5     | 61.5     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6    | 61.6    | 61.6    | 61.7    |
| GE 600                | 6.5                              | 59.8     | 60.4     | 61.5     | 61.5     | 61.5     | 61.5     | 61.5     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6    | 61.6    | 61.6    | 61.7    |
| GE 500                | 6.5                              | 82.6     | 83.1     | 84.3     | 84.3     | 84.3     | 84.3     | 84.3     | 84.4     | 84.4     | 84.4     | 84.4     | 84.4    | 84.4    | 84.4    | 84.5    |
| GE 450                | 6.5                              | 82.9     | 83.5     | 84.7     | 84.7     | 84.7     | 84.7     | 84.7     | 84.9     | 84.9     | 84.9     | 84.9     | 84.9    | 84.9    | 84.9    | 85.0    |
| GE 400                | 7.2                              | 89.3     | 90.4     | 91.8     | 91.9     | 91.9     | 91.9     | 91.9     | 92.0     | 92.0     | 92.0     | 92.0     | 92.0    | 92.0    | 92.0    | 92.1    |
| GE 350                | 7.2                              | 92.0     | 93.5     | 94.9     | 95.0     | 95.0     | 95.0     | 95.0     | 95.1     | 95.1     | 95.1     | 95.1     | 95.1    | 95.1    | 95.1    | 95.2    |
| GE 300                | 7.3                              | 94.4     | 96.5     | 98.1     | 98.2     | 98.2     | 98.2     | 98.2     | 98.3     | 98.3     | 98.3     | 98.3     | 98.3    | 98.3    | 98.3    | 98.4    |
| GE 250                | 7.3                              | 95.2     | 97.4     | 99.1     | 99.2     | 99.2     | 99.2     | 99.3     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4    | 99.4    | 99.4    | 99.5    |
| GE 200                | 7.3                              | 95.3     | 97.5     | 99.3     | 99.4     | 99.4     | 99.4     | 99.4     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5    | 99.5    | 99.5    | 99.6    |
| GE 180                | 7.3                              | 95.3     | 97.5     | 99.3     | 99.4     | 99.4     | 99.4     | 99.4     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5    | 99.5    | 99.5    | 99.6    |
| GE 150                | 7.3                              | 95.3     | 97.5     | 99.3     | 99.4     | 99.4     | 99.4     | 99.4     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5    | 99.5    | 99.5    | 99.6    |
| GE 120                | 7.3                              | 95.6     | 97.7     | 99.5     | 99.7     | 99.7     | 99.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.9    |
| GE 100                | 7.3                              | 95.6     | 97.7     | 99.5     | 99.7     | 99.7     | 99.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 100.0   |
| GE 90                 | 7.3                              | 95.6     | 97.7     | 99.5     | 99.7     | 99.7     | 99.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 100.0   |
| GE 80                 | 7.3                              | 95.6     | 97.7     | 99.5     | 99.7     | 99.7     | 99.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 100.0   |
| GE 70                 | 7.3                              | 95.6     | 97.7     | 99.5     | 99.7     | 99.7     | 99.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 100.0   |
| GE 60                 | 7.3                              | 95.6     | 97.7     | 99.5     | 99.7     | 99.7     | 99.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 100.0   |
| GE 50                 | 7.3                              | 95.6     | 97.7     | 99.5     | 99.7     | 99.7     | 99.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 100.0   |
| GE 40                 | 7.3                              | 95.6     | 97.7     | 99.5     | 99.7     | 99.7     | 99.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 100.0   |
| GE 30                 | 7.3                              | 95.6     | 97.7     | 99.5     | 99.7     | 99.7     | 99.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 878

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GT<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 3.9                              | 34.7     | 34.9     | 35.2     | 35.2     | 35.2     | 35.2     | 35.2     | 35.2     | 35.2     | 35.2     | 35.2     | 35.2    | 35.2    | 35.2    | 35.2    |
| GE 20000              | 4.0                              | 38.9     | 39.2     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7    | 39.7    | 39.7    | 39.7    |
| GE 18000              | 4.0                              | 39.6     | 39.9     | 40.4     | 40.4     | 40.4     | 40.4     | 40.4     | 40.4     | 40.4     | 40.4     | 40.4     | 40.4    | 40.4    | 40.4    | 40.4    |
| GE 16000              | 4.0                              | 39.6     | 39.9     | 40.4     | 40.4     | 40.4     | 40.4     | 40.4     | 40.4     | 40.4     | 40.4     | 40.4     | 40.4    | 40.4    | 40.4    | 40.4    |
| GE 14000              | 4.0                              | 39.7     | 40.0     | 40.5     | 40.5     | 40.5     | 40.5     | 40.5     | 40.5     | 40.5     | 40.5     | 40.5     | 40.5    | 40.5    | 40.5    | 40.5    |
| GE 12000              | 4.6                              | 44.6     | 45.0     | 45.4     | 45.4     | 45.4     | 45.4     | 45.4     | 45.4     | 45.4     | 45.4     | 45.4     | 45.4    | 45.4    | 45.4    | 45.4    |
| GE 10000              | 4.6                              | 49.9     | 50.6     | 51.0     | 51.0     | 51.0     | 51.0     | 51.0     | 51.0     | 51.0     | 51.0     | 51.0     | 51.0    | 51.0    | 51.0    | 51.0    |
| GE 9000               | 4.6                              | 51.0     | 51.7     | 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 8000               | 4.7                              | 51.7     | 52.4     | 52.9     | 52.9     | 52.9     | 52.9     | 52.9     | 52.9     | 52.9     | 52.9     | 52.9     | 52.9    | 52.9    | 52.9    | 52.9    |
| GE 7000               | 4.7                              | 51.7     | 52.5     | 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 6000               | 4.7                              | 51.7     | 52.5     | 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 5000               | 4.7                              | 83.6     | 84.4     | 84.9     | 84.9     | 84.9     | 84.9     | 84.9     | 84.9     | 84.9     | 84.9     | 84.9     | 84.9    | 84.9    | 84.9    | 84.9    |
| GE 4500               | 4.7                              | 83.6     | 84.4     | 84.9     | 84.9     | 84.9     | 84.9     | 84.9     | 84.9     | 84.9     | 84.9     | 84.9     | 84.9    | 84.9    | 84.9    | 84.9    |
| GE 4000               | 5.0                              | 89.9     | 90.7     | 91.4     | 91.4     | 91.4     | 91.4     | 91.4     | 91.4     | 91.4     | 91.4     | 91.4     | 91.4    | 91.4    | 91.4    | 91.4    |
| GE 3500               | 5.0                              | 93.2     | 94.1     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7    | 94.7    | 94.7    | 94.7    |
| GE 3000               | 5.0                              | 95.5     | 96.6     | 97.6     | 97.6     | 97.6     | 97.6     | 97.6     | 97.6     | 97.6     | 97.6     | 97.6     | 97.6    | 97.6    | 97.6    | 97.6    |
| GE 2500               | 5.1                              | 96.6     | 97.6     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0    | 99.0    | 99.0    | 99.0    |
| GE 2000               | 5.1                              | 96.7     | 97.9     | 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 1800               | 5.1                              | 96.7     | 97.9     | 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 1500               | 5.1                              | 96.7     | 97.9     | 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 1200               | 5.1                              | 97.3     | 98.5     | 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   |
| GE 1000               | 5.1                              | 97.3     | 98.5     | 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   |
| GE 900                | 5.1                              | 97.3     | 98.5     | 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   |
| GE 800                | 5.1                              | 97.3     | 98.5     | 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   |
| GE 700                | 5.1                              | 97.3     | 98.5     | 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   |
| GE 600                | 5.1                              | 97.3     | 98.5     | 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   |
| GE 500                | 5.1                              | 97.3     | 98.5     | 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   |
| GE 400                | 5.1                              | 97.3     | 98.5     | 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   |
| GE 300                | 5.1                              | 97.3     | 98.5     | 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   |
| GE 200                | 5.1                              | 97.3     | 98.5     | 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   |
| GE 100                | 5.1                              | 97.3     | 98.5     | 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   |
| GE                    | CI                               | 5.1      | 97.3     | 98.5     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 874

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIXON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GE<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 4.4                              | 34.9     | 36.3     | 37.1     | 37.3     | 37.3     | 37.3     | 37.4     | 37.4     | 37.4     | 37.4     | 37.4     | 37.4    | 37.4    | 37.4    | 37.5    |
| GE 2000               | 4.8                              | 41.2     | 42.8     | 43.8     | 44.1     | 44.1     | 44.1     | 44.2     | 44.2     | 44.2     | 44.2     | 44.2     | 44.2    | 44.2    | 44.2    | 44.3    |
| GE 1800               | 4.8                              | 41.7     | 43.4     | 44.4     | 44.7     | 44.8     | 44.8     | 44.8     | 44.9     | 44.9     | 44.9     | 44.9     | 44.9    | 44.9    | 44.9    | 44.9    |
| GE 1600               | 4.9                              | 42.0     | 43.7     | 44.6     | 45.0     | 45.1     | 45.1     | 45.1     | 45.1     | 45.1     | 45.1     | 45.1     | 45.2    | 45.2    | 45.2    | 45.2    |
| GE 1400               | 4.9                              | 42.1     | 43.8     | 44.8     | 45.1     | 45.2     | 45.2     | 45.2     | 45.3     | 45.3     | 45.3     | 45.3     | 45.3    | 45.3    | 45.3    | 45.3    |
| GE 1200               | 6.0                              | 48.1     | 49.9     | 51.0     | 51.5     | 51.5     | 51.5     | 51.6     | 51.6     | 51.6     | 51.6     | 51.6     | 51.6    | 51.6    | 51.7    | 51.7    |
| GE 1000               | 6.1                              | 52.6     | 54.7     | 56.0     | 56.5     | 56.6     | 56.6     | 56.7     | 56.7     | 56.7     | 56.7     | 56.7     | 56.7    | 56.7    | 56.7    | 56.8    |
| GE 900                | 6.1                              | 55.0     | 57.2     | 58.6     | 59.0     | 59.1     | 59.1     | 59.2     | 59.2     | 59.2     | 59.2     | 59.2     | 59.2    | 59.2    | 59.3    | 59.3    |
| GE 800                | 6.1                              | 55.8     | 58.0     | 59.4     | 59.9     | 60.0     | 60.0     | 60.1     | 60.1     | 60.1     | 60.1     | 60.1     | 60.1    | 60.1    | 60.1    | 60.2    |
| GE 700                | 6.1                              | 55.8     | 58.0     | 59.5     | 60.0     | 60.1     | 60.1     | 60.1     | 60.1     | 60.1     | 60.1     | 60.1     | 60.2    | 60.2    | 60.2    | 60.2    |
| GE 600                | 6.1                              | 55.8     | 58.0     | 59.5     | 60.0     | 60.1     | 60.1     | 60.1     | 60.2     | 60.2     | 60.2     | 60.2     | 60.2    | 60.2    | 60.2    | 60.2    |
| GE 500                | 6.1                              | 82.2     | 84.4     | 85.8     | 86.3     | 86.4     | 86.4     | 86.5     | 86.5     | 86.5     | 86.5     | 86.5     | 86.5    | 86.5    | 86.6    | 86.6    |
| GE 450                | 6.1                              | 82.4     | 84.6     | 86.1     | 86.6     | 86.7     | 86.7     | 86.8     | 86.8     | 86.8     | 86.8     | 86.8     | 86.8    | 86.8    | 86.8    | 86.9    |
| GE 400                | 6.6                              | 87.3     | 89.7     | 91.3     | 91.9     | 92.0     | 92.0     | 92.1     | 92.1     | 92.1     | 92.1     | 92.1     | 92.1    | 92.1    | 92.2    | 92.2    |
| GE 350                | 6.6                              | 89.9     | 92.5     | 94.2     | 94.8     | 94.9     | 94.9     | 95.0     | 95.0     | 95.0     | 95.0     | 95.0     | 95.0    | 95.0    | 95.1    | 95.1    |
| GE 300                | 6.7                              | 92.1     | 95.0     | 96.9     | 97.5     | 97.6     | 97.6     | 97.7     | 97.7     | 97.7     | 97.7     | 97.7     | 97.7    | 97.8    | 97.8    | 97.8    |
| GE 250                | 6.7                              | 92.9     | 95.9     | 97.9     | 98.6     | 98.7     | 98.7     | 98.8     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9    | 98.9    | 99.0    | 99.0    |
| GE 200                | 6.7                              | 93.0     | 96.1     | 98.2     | 98.8     | 99.0     | 99.0     | 99.1     | 99.2     | 99.2     | 99.2     | 99.2     | 99.2    | 99.2    | 99.3    | 99.3    |
| GE 180                | 6.7                              | 93.0     | 96.1     | 98.2     | 98.9     | 99.0     | 99.0     | 99.2     | 99.2     | 99.2     | 99.2     | 99.2     | 99.2    | 99.3    | 99.3    | 99.3    |
| GE 150                | 6.7                              | 93.0     | 96.1     | 98.3     | 98.9     | 99.1     | 99.1     | 99.2     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.4    |
| GE 120                | 6.7                              | 93.3     | 96.5     | 98.7     | 99.4     | 99.5     | 99.5     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 100                | 6.7                              | 93.3     | 96.5     | 98.7     | 99.4     | 99.5     | 99.5     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 90                 | 6.7                              | 93.3     | 96.5     | 98.7     | 99.4     | 99.5     | 99.5     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 80                 | 6.7                              | 93.3     | 96.5     | 98.7     | 99.4     | 99.5     | 99.5     | 99.7     | 99.7     | 99.7     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.9    |
| GE 70                 | 6.7                              | 93.3     | 96.5     | 98.7     | 99.4     | 99.6     | 99.6     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.9    | 99.9    |
| GE 60                 | 6.7                              | 93.3     | 96.5     | 98.7     | 99.4     | 99.6     | 99.6     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.9    | 99.9    |
| GE 50                 | 6.7                              | 93.3     | 96.6     | 98.7     | 99.4     | 99.6     | 99.6     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 40                 | 6.7                              | 93.3     | 96.6     | 98.8     | 99.4     | 99.6     | 99.7     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 100.0   | 100.0   |
| GE 30                 | 6.7                              | 93.3     | 96.6     | 98.8     | 99.4     | 99.6     | 99.7     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 100.0   | 100.0   |
| GE 20                 | 6.7                              | 93.3     | 96.6     | 98.8     | 99.4     | 99.6     | 99.7     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 100.0   | 100.0   |
| GE 10                 | 6.7                              | 93.3     | 96.6     | 98.8     | 99.4     | 99.6     | 99.7     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 100.0   | 100.0   |
| GE 0                  | 6.7                              | 93.3     | 96.6     | 98.8     | 99.4     | 99.6     | 99.7     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 707



GLOBAL CLIMATOLOGY BRANCH  
 USAF7AC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM FOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GE<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 4.1                              | 32.7     | 32.7     | 32.7     | 32.7     | 32.7     | 32.7     | 32.7     | 32.7     | 32.7     | 32.7     | 32.7     | 32.7    | 32.7    | 32.7    | 32.7    |
| GE 20000              | 4.2                              | 35.9     | 35.9     | 35.9     | 35.9     | 35.9     | 35.9     | 35.9     | 35.9     | 35.9     | 35.9     | 35.9     | 35.9    | 35.9    | 35.9    | 35.9    |
| GE 18000              | 4.2                              | 36.0     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0    | 36.0    | 36.0    | 36.0    |
| GE 16000              | 4.2                              | 36.0     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0    | 36.0    | 36.0    | 36.0    |
| GE 14000              | 4.2                              | 36.0     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0    | 36.0    | 36.0    | 36.0    |
| GE 12000              | 4.4                              | 39.6     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7    | 39.7    | 39.7    | 39.7    |
| GE 10000              | 4.4                              | 44.1     | 44.3     | 44.3     | 44.3     | 44.3     | 44.3     | 44.3     | 44.3     | 44.3     | 44.3     | 44.3     | 44.3    | 44.3    | 44.3    | 44.3    |
| GE 9000               | 4.4                              | 45.8     | 46.0     | 46.0     | 46.0     | 46.0     | 46.0     | 46.0     | 46.0     | 46.0     | 46.0     | 46.0     | 46.0    | 46.0    | 46.0    | 46.0    |
| GE 8000               | 4.4                              | 46.7     | 46.9     | 46.9     | 46.9     | 46.9     | 46.9     | 46.9     | 46.9     | 46.9     | 46.9     | 46.9     | 46.9    | 46.9    | 46.9    | 46.9    |
| GE 7000               | 4.4                              | 46.7     | 46.9     | 46.9     | 46.9     | 46.9     | 46.9     | 46.9     | 46.9     | 46.9     | 46.9     | 46.9     | 46.9    | 46.9    | 46.9    | 46.9    |
| GE 6000               | 4.4                              | 46.7     | 46.9     | 46.9     | 46.9     | 46.9     | 46.9     | 46.9     | 46.9     | 46.9     | 46.9     | 46.9     | 46.9    | 46.9    | 46.9    | 46.9    |
| GE 5000               | 4.4                              | 94.5     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7    | 94.7    | 94.7    | 94.7    |
| GE 4500               | 4.4                              | 94.6     | 94.8     | 94.8     | 94.8     | 94.8     | 94.8     | 94.8     | 94.8     | 94.8     | 94.8     | 94.8     | 94.8    | 94.8    | 94.8    | 94.8    |
| GE 4000               | 4.4                              | 96.9     | 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 3500               | 4.4                              | 97.9     | 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    |
| GE 3000               | 4.4                              | 98.7     | 99.1     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.3    |
| GE 2500               | 4.4                              | 99.0     | 99.5     | 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 2000               | 4.4                              | 99.1     | 99.6     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 1800               | 4.4                              | 99.1     | 99.6     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 1500               | 4.4                              | 99.1     | 99.6     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 1200               | 4.4                              | 99.1     | 99.6     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 1000               | 4.4                              | 99.1     | 99.6     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 900                | 4.4                              | 99.1     | 99.6     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 800                | 4.4                              | 99.1     | 99.6     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 700                | 4.4                              | 99.2     | 99.7     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 600                | 4.4                              | 99.2     | 99.7     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 500                | 4.4                              | 99.2     | 99.7     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 400                | 4.4                              | 99.2     | 99.7     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 300                | 4.4                              | 99.2     | 99.7     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 200                | 4.4                              | 99.2     | 99.7     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 100                | 4.4                              | 99.2     | 99.7     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 0                  | 4.4                              | 99.2     | 99.7     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 9.1

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | GT<br>160 | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |         |         |         |         |       |
|-----------------------|-----------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|-------|
|                       |           | GE<br>90                         | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |       |
| NO CEIL               | 3.5       | 31.3                             | 31.6     | 31.6     | 31.6     | 31.6     | 31.6     | 31.6     | 31.6     | 31.6     | 31.6     | 31.6     | 31.6    | 31.6    | 31.6    | 31.6    | 31.6  |
| GE 2000               | 3.7       | 35.7                             | 36.1     | 36.1     | 36.1     | 36.1     | 36.1     | 36.1     | 36.1     | 36.1     | 36.1     | 36.1     | 36.1    | 36.1    | 36.1    | 36.1    | 36.1  |
| GE 1800               | 3.7       | 36.1                             | 36.4     | 36.4     | 36.4     | 36.4     | 36.4     | 36.4     | 36.4     | 36.4     | 36.4     | 36.4     | 36.4    | 36.4    | 36.4    | 36.4    | 36.4  |
| GE 1600               | 3.7       | 36.1                             | 36.4     | 36.4     | 36.4     | 36.4     | 36.4     | 36.4     | 36.4     | 36.4     | 36.4     | 36.4     | 36.4    | 36.4    | 36.4    | 36.4    | 36.4  |
| GE 1400               | 3.7       | 36.2                             | 36.5     | 36.5     | 36.5     | 36.5     | 36.5     | 36.5     | 36.5     | 36.5     | 36.5     | 36.5     | 36.5    | 36.5    | 36.5    | 36.5    | 36.5  |
| GE 1200               | 4.3       | 41.1                             | 41.4     | 41.6     | 41.6     | 41.6     | 41.6     | 41.6     | 41.6     | 41.6     | 41.6     | 41.6     | 41.6    | 41.6    | 41.6    | 41.6    | 41.6  |
| GE 1000               | 4.3       | 46.4                             | 46.7     | 47.3     | 47.4     | 47.4     | 47.4     | 47.4     | 47.4     | 47.4     | 47.4     | 47.4     | 47.4    | 47.4    | 47.4    | 47.4    | 47.4  |
| GE 900                | 4.3       | 48.6                             | 48.9     | 49.5     | 49.6     | 49.6     | 49.6     | 49.6     | 49.6     | 49.6     | 49.6     | 49.6     | 49.6    | 49.6    | 49.6    | 49.6    | 49.6  |
| GE 800                | 4.3       | 49.6                             | 50.0     | 50.5     | 50.7     | 50.7     | 50.7     | 50.7     | 50.7     | 50.7     | 50.7     | 50.7     | 50.7    | 50.7    | 50.7    | 50.7    | 50.7  |
| GE 700                | 4.3       | 49.6                             | 50.0     | 50.5     | 50.7     | 50.7     | 50.7     | 50.7     | 50.7     | 50.7     | 50.7     | 50.7     | 50.7    | 50.7    | 50.7    | 50.7    | 50.7  |
| GE 600                | 4.3       | 49.6                             | 50.0     | 50.5     | 50.7     | 50.7     | 50.7     | 50.7     | 50.7     | 50.7     | 50.7     | 50.7     | 50.7    | 50.7    | 50.7    | 50.7    | 50.7  |
| GE 500                | 4.3       | 93.6                             | 94.1     | 94.6     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7    | 94.7    | 94.7    | 94.7    | 94.7  |
| GE 450                | 4.3       | 93.6                             | 94.1     | 94.6     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7    | 94.7    | 94.7    | 94.7    | 94.7  |
| GE 400                | 4.3       | 96.1                             | 96.5     | 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    | 97.1  |
| GE 350                | 4.3       | 97.8                             | 98.2     | 98.8     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9    | 98.9    | 98.9    | 98.9    | 98.9  |
| GE 300                | 4.3       | 98.1                             | 98.7     | 99.2     | 99.3     | 99.3     | 99.3     | 99.3     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5    | 99.5    | 99.5    | 99.5    | 99.5  |
| GE 250                | 4.3       | 98.4                             | 98.9     | 99.5     | 99.6     | 99.6     | 99.6     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.7    | 99.7    | 99.7  |
| GE 200                | 4.3       | 98.5                             | 99.0     | 99.6     | 99.7     | 99.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    | 99.8  |
| GE 180                | 4.3       | 98.5                             | 99.0     | 99.6     | 99.7     | 99.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    | 99.8  |
| GE 150                | 4.3       | 98.5                             | 99.0     | 99.6     | 99.7     | 99.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    | 99.8  |
| GE 120                | 4.3       | 98.6                             | 99.1     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    | 99.9  |
| GE 100                | 4.3       | 98.6                             | 99.1     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    | 99.9  |
| GE 90                 | 4.3       | 98.6                             | 99.1     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    | 99.9  |
| GE 80                 | 4.3       | 98.6                             | 99.1     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    | 99.9  |
| GE 70                 | 4.3       | 98.6                             | 99.1     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    | 99.9  |
| GE 60                 | 4.3       | 98.7                             | 99.2     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 50                 | 4.3       | 98.7                             | 99.2     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 40                 | 4.3       | 98.7                             | 99.2     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 30                 | 4.3       | 98.7                             | 99.2     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 20                 | 4.3       | 98.7                             | 99.2     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 10                 | 4.3       | 98.7                             | 99.2     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 0                  | 4.3       | 98.7                             | 99.2     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 912

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(LST): 0600-0630

| CEILING<br>IN FEET | VISIBILITY IN HUNDREDS OF METERS |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|--------------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                    | GE 160                           | GE 90 | GE 80 | GE 60 | GE 48 | GE 40 | GE 32 | GE 24 | GE 20 | GE 16 | GE 12 | GE 10 | GE 8  | GE 5  | GE 4  | GE 0  |
| NO CEIL            | 5.0                              | 29.8  | 34.8  | 35.6  | 35.6  | 35.6  | 35.6  | 35.6  | 35.7  | 35.7  | 35.7  | 35.7  | 35.7  | 35.7  | 35.7  | 35.7  |
| GE 2000            | 6.0                              | 35.4  | 40.9  | 42.7  | 42.7  | 42.7  | 42.7  | 42.7  | 42.8  | 42.8  | 42.8  | 42.8  | 42.8  | 42.8  | 42.8  | 42.8  |
| GE 1800            | 6.0                              | 36.2  | 41.8  | 43.5  | 43.5  | 43.5  | 43.5  | 43.5  | 43.6  | 43.6  | 43.6  | 43.6  | 43.6  | 43.6  | 43.6  | 43.6  |
| GE 1600            | 6.0                              | 36.3  | 41.9  | 43.6  | 43.6  | 43.6  | 43.6  | 43.6  | 43.8  | 43.8  | 43.8  | 43.8  | 43.8  | 43.8  | 43.8  | 43.8  |
| GE 1400            | 6.0                              | 36.6  | 42.2  | 44.0  | 44.0  | 44.0  | 44.0  | 44.0  | 44.1  | 44.1  | 44.1  | 44.1  | 44.1  | 44.1  | 44.1  | 44.1  |
| GE 1200            | 6.3                              | 40.9  | 46.8  | 48.8  | 48.8  | 48.8  | 48.8  | 48.8  | 48.9  | 49.0  | 49.0  | 49.0  | 49.0  | 49.0  | 49.0  | 49.0  |
| GE 1000            | 6.3                              | 46.3  | 52.4  | 54.4  | 54.4  | 54.4  | 54.4  | 54.5  | 54.6  | 54.6  | 54.6  | 54.6  | 54.6  | 54.6  | 54.6  | 54.6  |
| GE 900             | 6.3                              | 49.9  | 56.8  | 58.9  | 58.9  | 58.9  | 58.9  | 59.0  | 59.1  | 59.1  | 59.1  | 59.1  | 59.1  | 59.1  | 59.1  | 59.1  |
| GE 800             | 6.4                              | 50.8  | 57.7  | 59.9  | 59.9  | 59.9  | 59.9  | 60.0  | 60.1  | 60.1  | 60.1  | 60.1  | 60.1  | 60.1  | 60.1  | 60.1  |
| GE 700             | 6.4                              | 50.9  | 57.8  | 60.0  | 60.1  | 60.1  | 60.1  | 60.2  | 60.3  | 60.3  | 60.3  | 60.3  | 60.3  | 60.3  | 60.3  | 60.3  |
| GE 600             | 6.4                              | 50.9  | 57.8  | 60.0  | 60.1  | 60.1  | 60.1  | 60.2  | 60.3  | 60.3  | 60.3  | 60.3  | 60.3  | 60.3  | 60.3  | 60.3  |
| GE 500             | 6.4                              | 86.5  | 93.4  | 95.6  | 95.7  | 95.7  | 95.7  | 95.8  | 95.9  | 95.9  | 95.9  | 95.9  | 95.9  | 95.9  | 95.9  | 95.9  |
| GE 450             | 6.4                              | 86.5  | 93.4  | 95.6  | 95.7  | 95.7  | 95.7  | 95.8  | 95.9  | 95.9  | 95.9  | 95.9  | 95.9  | 95.9  | 95.9  | 95.9  |
| GE 400             | 6.4                              | 87.8  | 94.7  | 96.9  | 97.0  | 97.0  | 97.0  | 97.1  | 97.3  | 97.3  | 97.3  | 97.3  | 97.3  | 97.3  | 97.3  | 97.3  |
| GE 350             | 6.4                              | 88.6  | 95.5  | 97.7  | 98.0  | 98.0  | 98.0  | 98.1  | 98.2  | 98.2  | 98.2  | 98.2  | 98.2  | 98.2  | 98.2  | 98.2  |
| GE 300             | 6.4                              | 89.1  | 96.2  | 98.4  | 98.8  | 98.8  | 98.8  | 98.9  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  |
| GE 250             | 6.4                              | 89.3  | 96.3  | 98.5  | 98.9  | 98.9  | 98.9  | 99.0  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  |
| GE 200             | 6.4                              | 89.6  | 96.7  | 98.9  | 99.3  | 99.3  | 99.3  | 99.5  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  |
| GE 180             | 6.4                              | 89.6  | 96.7  | 98.9  | 99.3  | 99.3  | 99.3  | 99.5  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  |
| GE 150             | 6.4                              | 89.6  | 96.7  | 98.9  | 99.3  | 99.3  | 99.3  | 99.5  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  |
| GE 120             | 6.4                              | 89.7  | 96.8  | 99.3  | 99.8  | 99.8  | 99.8  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100             | 6.4                              | 89.7  | 96.8  | 99.3  | 99.8  | 99.8  | 99.8  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 90              | 6.4                              | 89.7  | 96.8  | 99.3  | 99.8  | 99.8  | 99.8  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 80              | 6.4                              | 89.7  | 96.8  | 99.3  | 99.8  | 99.8  | 99.8  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 70              | 6.4                              | 89.7  | 96.8  | 99.3  | 99.8  | 99.8  | 99.8  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 60              | 6.4                              | 89.7  | 96.8  | 99.3  | 99.8  | 99.8  | 99.8  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 50              | 6.4                              | 89.7  | 96.8  | 99.3  | 99.8  | 99.8  | 99.8  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 40              | 6.4                              | 89.7  | 96.8  | 99.3  | 99.8  | 99.8  | 99.8  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 30              | 6.4                              | 89.7  | 96.8  | 99.3  | 99.8  | 99.8  | 99.8  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 20              | 6.4                              | 89.7  | 96.8  | 99.3  | 99.8  | 99.8  | 99.8  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 10              | 6.4                              | 89.7  | 96.8  | 99.3  | 99.8  | 99.8  | 99.8  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0               | 6.4                              | 89.7  | 96.8  | 99.3  | 99.8  | 99.8  | 99.8  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 912

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | GT<br>160 | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |         |         |         |         |       |
|-----------------------|-----------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|-------|
|                       |           | GE<br>90                         | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |       |
| NO CEIL               | 6.8       | 40.5                             | 42.1     | 42.3     | 42.4     | 42.4     | 42.4     | 42.4     | 42.4     | 42.4     | 42.4     | 42.4     | 42.5    | 42.5    | 42.5    | 42.5    | 42.5  |
| GE 2000               | 7.3       | 46.6                             | 49.4     | 49.6     | 49.7     | 49.7     | 49.7     | 49.7     | 49.7     | 49.7     | 49.7     | 49.7     | 49.8    | 49.8    | 49.8    | 49.8    | 49.8  |
| GE 1800               | 7.3       | 47.1                             | 50.1     | 50.3     | 50.5     | 50.5     | 50.5     | 50.5     | 50.5     | 50.5     | 50.5     | 50.5     | 50.6    | 50.6    | 50.6    | 50.6    | 50.6  |
| GE 1600               | 7.3       | 47.1                             | 50.1     | 50.3     | 50.5     | 50.5     | 50.5     | 50.5     | 50.5     | 50.5     | 50.5     | 50.5     | 50.6    | 50.6    | 50.6    | 50.6    | 50.6  |
| GE 1400               | 7.3       | 47.1                             | 50.1     | 50.3     | 50.5     | 50.5     | 50.5     | 50.5     | 50.5     | 50.5     | 50.5     | 50.5     | 50.6    | 50.6    | 50.6    | 50.6    | 50.6  |
| GE 1200               | 7.7       | 51.1                             | 54.7     | 55.1     | 55.3     | 55.3     | 55.3     | 55.3     | 55.3     | 55.3     | 55.3     | 55.3     | 55.4    | 55.4    | 55.4    | 55.4    | 55.4  |
| GE 1000               | 7.7       | 56.2                             | 60.1     | 60.4     | 60.6     | 60.6     | 60.6     | 60.6     | 60.6     | 60.6     | 60.6     | 60.6     | 60.7    | 60.7    | 60.7    | 60.7    | 60.7  |
| GE 900                | 7.7       | 58.1                             | 62.6     | 62.9     | 63.2     | 63.2     | 63.2     | 63.4     | 63.4     | 63.4     | 63.4     | 63.4     | 63.5    | 63.5    | 63.5    | 63.5    | 63.5  |
| GE 800                | 7.7       | 58.7                             | 63.4     | 63.8     | 64.1     | 64.2     | 64.2     | 64.3     | 64.3     | 64.3     | 64.3     | 64.3     | 64.4    | 64.4    | 64.4    | 64.4    | 64.4  |
| GE 700                | 7.7       | 58.7                             | 63.4     | 63.8     | 64.1     | 64.3     | 64.3     | 64.4     | 64.4     | 64.4     | 64.4     | 64.4     | 64.6    | 64.6    | 64.6    | 64.6    | 64.6  |
| GE 600                | 7.7       | 58.7                             | 63.4     | 63.8     | 64.1     | 64.3     | 64.3     | 64.4     | 64.4     | 64.4     | 64.4     | 64.4     | 64.6    | 64.6    | 64.6    | 64.6    | 64.6  |
| GE 500                | 7.7       | 90.7                             | 95.4     | 95.9     | 96.2     | 96.4     | 96.4     | 96.5     | 96.5     | 96.5     | 96.5     | 96.5     | 96.6    | 96.6    | 96.6    | 96.6    | 96.6  |
| GE 450                | 7.7       | 91.1                             | 95.7     | 96.2     | 96.5     | 96.7     | 96.7     | 96.8     | 96.8     | 96.8     | 96.8     | 96.8     | 96.9    | 96.9    | 96.9    | 96.9    | 96.9  |
| GE 400                | 7.9       | 91.9                             | 96.6     | 97.1     | 97.4     | 97.6     | 97.6     | 97.7     | 97.7     | 97.7     | 97.7     | 97.7     | 97.8    | 97.8    | 97.8    | 97.8    | 97.8  |
| GE 350                | 7.9       | 92.6                             | 97.4     | 97.8     | 98.1     | 98.4     | 98.4     | 98.5     | 98.5     | 98.5     | 98.5     | 98.5     | 98.6    | 98.6    | 98.6    | 98.6    | 98.6  |
| GE 300                | 7.9       | 93.2                             | 98.0     | 98.5     | 98.8     | 99.0     | 99.0     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.2    | 99.2    | 99.2    | 99.2    | 99.2  |
| GE 250                | 7.9       | 93.7                             | 98.5     | 99.0     | 99.3     | 99.6     | 99.6     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.8    | 99.8    | 99.8    | 99.8    | 99.8  |
| GE 200                | 7.9       | 93.7                             | 98.5     | 99.0     | 99.3     | 99.6     | 99.6     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.8    | 99.8    | 99.8    | 99.8    | 99.8  |
| GE 180                | 7.9       | 93.7                             | 98.5     | 99.0     | 99.3     | 99.6     | 99.6     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.8    | 99.8    | 99.8    | 99.8    | 99.8  |
| GE 150                | 7.9       | 93.7                             | 98.5     | 99.0     | 99.3     | 99.6     | 99.6     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.8    | 99.8    | 99.8    | 99.8    | 99.8  |
| GE 120                | 7.9       | 93.7                             | 98.6     | 99.2     | 99.6     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 100                | 7.9       | 93.7                             | 98.6     | 99.2     | 99.6     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 90                 | 7.9       | 93.7                             | 98.6     | 99.2     | 99.6     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 80                 | 7.9       | 93.7                             | 98.6     | 99.2     | 99.6     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 70                 | 7.9       | 93.7                             | 98.6     | 99.2     | 99.6     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 60                 | 7.9       | 93.7                             | 98.6     | 99.2     | 99.6     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 50                 | 7.9       | 93.7                             | 98.6     | 99.2     | 99.6     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 40                 | 7.9       | 93.7                             | 98.6     | 99.2     | 99.6     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 30                 | 7.9       | 93.7                             | 98.6     | 99.2     | 99.6     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 20                 | 7.9       | 93.7                             | 98.6     | 99.2     | 99.6     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 10                 | 7.9       | 93.7                             | 98.6     | 99.2     | 99.6     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 0                  | 7.9       | 93.7                             | 98.6     | 99.2     | 99.6     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 917

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN FEET | VISIBILITY IN HUNDREDS OF METERS |      |      |      |      |      |      |      |      |      |      |      |      |       |       |       |       |
|--------------------|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|
|                    | 16                               | 18   | 20   | 24   | 28   | 32   | 36   | 40   | 44   | 48   | 52   | 56   | 60   | 64    | 68    | 72    |       |
| NO CEIL            | 7.8                              | 51.4 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.7  | 51.7  | 51.7  | 51.7  |
| GE 2000            | 8.4                              | 58.9 | 59.5 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.8  | 59.8  | 59.8  | 59.8  |
| GE 1800            | 8.4                              | 59.3 | 60.0 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.3  | 60.3  | 60.3  | 60.3  |
| GE 1600            | 8.4                              | 59.3 | 60.0 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.3  | 60.3  | 60.3  | 60.3  |
| GE 1400            | 8.4                              | 59.3 | 60.0 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.3  | 60.3  | 60.3  | 60.3  |
| GE 1200            | 8.9                              | 63.8 | 64.8 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.1  | 65.1  | 65.1  | 65.1  |
| GE 1000            | 9.0                              | 68.9 | 70.1 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.4  | 70.4  | 70.4  | 70.4  |
| GE 900             | 9.1                              | 70.8 | 72.5 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.8  | 72.8  | 72.8  | 72.8  |
| GE 800             | 9.1                              | 71.2 | 73.0 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.6  | 73.6  | 73.6  | 73.6  |
| GE 700             | 9.1                              | 71.2 | 73.0 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.6  | 73.6  | 73.6  | 73.6  |
| GE 600             | 9.1                              | 71.2 | 73.0 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.6  | 73.6  | 73.6  | 73.6  |
| GE 500             | 9.1                              | 89.9 | 91.7 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.3  | 92.3  | 92.3  | 92.3  |
| GE 450             | 9.1                              | 90.1 | 92.0 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.5  | 92.5  | 92.5  | 92.5  |
| GE 400             | 9.4                              | 92.6 | 94.5 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 95.0  | 95.0  | 95.0  | 95.0  |
| GE 350             | 9.6                              | 94.1 | 95.9 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.5  | 96.5  | 96.5  | 96.5  |
| GE 300             | 9.6                              | 95.5 | 97.5 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 98.0  | 98.0  | 98.0  | 98.0  |
| GE 250             | 9.9                              | 97.0 | 99.0 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7  | 99.7  | 99.7  | 99.7  |
| GE 200             | 9.9                              | 97.1 | 99.2 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9  | 99.9  | 99.9  | 99.9  |
| GE 180             | 9.9                              | 97.1 | 99.2 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9  | 99.9  | 99.9  | 99.9  |
| GE 150             | 9.9                              | 97.1 | 99.2 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9  | 99.9  | 99.9  | 99.9  |
| GE 120             | 9.9                              | 97.2 | 99.3 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100             | 9.9                              | 97.2 | 99.3 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 90              | 9.9                              | 97.2 | 99.3 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 80              | 9.9                              | 97.2 | 99.3 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 70              | 9.9                              | 97.2 | 99.3 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 60              | 9.9                              | 97.2 | 99.3 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 50              | 9.9                              | 97.2 | 99.3 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 40              | 9.9                              | 97.2 | 99.3 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 30              | 9.9                              | 97.2 | 99.3 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 20              | 9.9                              | 97.2 | 99.3 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 10              | 9.9                              | 97.2 | 99.3 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0               | 9.9                              | 97.2 | 99.3 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 939

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GE<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 5.7                              | 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    | 47.1    | 47.1    |
| GE 2000               | 6.7                              | 56.4     | 56.7     | 57.0     | 57.0     | 57.0     | 57.0     | 57.0     | 57.0     | 57.0     | 57.0     | 57.0     | 57.0    | 57.0    | 57.0    | 57.0    |
| GE 1800               | 6.8                              | 56.5     | 56.8     | 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 1600               | 6.8                              | 56.6     | 57.0     | 57.2     | 57.2     | 57.2     | 57.2     | 57.2     | 57.2     | 57.2     | 57.2     | 57.2     | 57.2    | 57.2    | 57.2    | 57.2    |
| GE 1400               | 6.9                              | 56.6     | 57.0     | 57.2     | 57.2     | 57.2     | 57.2     | 57.2     | 57.2     | 57.2     | 57.2     | 57.2     | 57.2    | 57.2    | 57.2    | 57.2    |
| GE 1200               | 7.9                              | 60.9     | 61.3     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6    | 61.6    | 61.6    | 61.6    |
| GE 1000               | 8.1                              | 65.5     | 65.8     | 66.1     | 66.1     | 66.1     | 66.1     | 66.1     | 66.1     | 66.1     | 66.1     | 66.1     | 66.1    | 66.1    | 66.1    | 66.1    |
| GE 900                | 8.1                              | 67.5     | 68.0     | 68.3     | 68.3     | 68.3     | 68.3     | 68.3     | 68.3     | 68.3     | 68.3     | 68.3     | 68.3    | 68.3    | 68.3    | 68.3    |
| GE 800                | 8.1                              | 68.1     | 68.7     | 69.1     | 69.1     | 69.1     | 69.1     | 69.1     | 69.1     | 69.1     | 69.1     | 69.1     | 69.1    | 69.1    | 69.1    | 69.1    |
| GE 700                | 8.2                              | 68.2     | 68.8     | 69.2     | 69.2     | 69.2     | 69.2     | 69.2     | 69.2     | 69.2     | 69.2     | 69.2     | 69.2    | 69.2    | 69.2    | 69.2    |
| GE 600                | 8.2                              | 68.2     | 68.8     | 69.2     | 69.2     | 69.2     | 69.2     | 69.2     | 69.2     | 69.2     | 69.2     | 69.2     | 69.2    | 69.2    | 69.2    | 69.2    |
| GE 500                | 8.3                              | 89.1     | 89.6     | 90.1     | 90.1     | 90.1     | 90.1     | 90.1     | 90.1     | 90.1     | 90.1     | 90.1     | 90.1    | 90.1    | 90.1    | 90.1    |
| GE 450                | 8.3                              | 89.4     | 90.0     | 90.4     | 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 400                | 9.1                              | 92.3     | 92.8     | 93.4     | 93.4     | 93.4     | 93.4     | 93.4     | 93.4     | 93.4     | 93.4     | 93.4     | 93.4    | 93.4    | 93.4    | 93.4    |
| GE 350                | 9.1                              | 95.4     | 96.1     | 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 300                | 9.1                              | 96.6     | 97.5     | 98.1     | 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 250                | 9.1                              | 97.8     | 98.8     | 99.4     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.6    |
| GE 200                | 9.1                              | 97.8     | 98.9     | 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    |
| GE 180                | 9.1                              | 97.8     | 98.9     | 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    |
| GE 150                | 9.1                              | 97.8     | 98.9     | 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    |
| GE 120                | 9.2                              | 97.9     | 99.0     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 100                | 9.2                              | 97.9     | 99.0     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 80                 | 9.2                              | 97.9     | 99.0     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 60                 | 9.2                              | 97.9     | 99.0     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 40                 | 9.2                              | 97.9     | 99.0     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 20                 | 9.2                              | 97.9     | 99.0     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 0                  | 9.2                              | 97.9     | 99.0     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 1000               | 9.2                              | 97.9     | 99.0     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 900                | 9.2                              | 97.9     | 99.0     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 800                | 9.2                              | 97.9     | 99.0     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 700                | 9.2                              | 97.9     | 99.0     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 600                | 9.2                              | 97.9     | 99.0     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 500                | 9.2                              | 97.9     | 99.0     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 400                | 9.2                              | 97.9     | 99.0     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 300                | 9.2                              | 97.9     | 99.0     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 200                | 9.2                              | 97.9     | 99.0     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 100                | 9.2                              | 97.9     | 99.0     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 0                  | 9.2                              | 97.9     | 99.0     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |

TOTAL NUMBER OF OBSERVATIONS: 906

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: MAY HOURS (LST): 1800-2100

| CEILING<br>IN<br>FEET | GT  | VISIBILITY IN HUNDREDS OF METERS |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |
|-----------------------|-----|----------------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                       |     | 160                              | 50   | 90   | 60   | 48    | 40    | 32    | 24    | 20    | 16    | 12    | 10    | 8     | 5     | 4     | 0     |
| NO CEIL               | 7.3 | 37.5                             | 37.8 | 38.0 | 38.0 | 38.0  | 38.0  | 38.0  | 38.0  | 38.0  | 38.0  | 38.0  | 38.0  | 38.0  | 38.0  | 38.0  | 38.0  |
| GE 2000               | 8.0 | 45.9                             | 46.3 | 46.6 | 46.6 | 46.6  | 46.6  | 46.6  | 46.6  | 46.6  | 46.6  | 46.6  | 46.6  | 46.6  | 46.6  | 46.6  | 46.6  |
| GE 1800               | 8.0 | 46.8                             | 47.2 | 47.4 | 47.4 | 47.4  | 47.4  | 47.4  | 47.4  | 47.4  | 47.4  | 47.4  | 47.4  | 47.4  | 47.4  | 47.4  | 47.4  |
| GE 1600               | 8.0 | 46.9                             | 47.3 | 47.5 | 47.5 | 47.5  | 47.5  | 47.5  | 47.5  | 47.5  | 47.5  | 47.5  | 47.5  | 47.5  | 47.5  | 47.5  | 47.5  |
| GE 1400               | 8.0 | 46.9                             | 47.3 | 47.5 | 47.5 | 47.5  | 47.5  | 47.5  | 47.5  | 47.5  | 47.5  | 47.5  | 47.5  | 47.5  | 47.5  | 47.5  | 47.5  |
| GE 1200               | 8.9 | 51.0                             | 51.6 | 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  | 51.8  |
| GE 1000               | 8.9 | 56.3                             | 56.8 | 57.0 | 57.0 | 57.0  | 57.0  | 57.0  | 57.0  | 57.0  | 57.0  | 57.0  | 57.0  | 57.0  | 57.0  | 57.0  | 57.0  |
| GE 900                | 9.0 | 58.5                             | 59.0 | 59.2 | 59.2 | 59.2  | 59.2  | 59.2  | 59.2  | 59.2  | 59.2  | 59.2  | 59.2  | 59.2  | 59.2  | 59.2  | 59.2  |
| GE 800                | 9.0 | 59.2                             | 59.8 | 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 700                | 9.0 | 59.3                             | 59.9 | 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 600                | 9.0 | 59.3                             | 59.9 | 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 500                | 9.0 | 93.2                             | 93.8 | 94.0 | 94.0 | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  |
| GE 400                | 9.0 | 93.3                             | 93.9 | 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 300                | 9.2 | 95.8                             | 96.5 | 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  | 96.7  |
| GE 250                | 9.2 | 97.8                             | 98.5 | 98.7 | 98.7 | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  |
| GE 200                | 9.2 | 98.6                             | 99.2 | 99.5 | 99.5 | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  |
| GE 250                | 9.2 | 98.7                             | 99.3 | 99.6 | 99.8 | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  |
| GE 200                | 9.2 | 98.7                             | 99.3 | 99.6 | 99.8 | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  |
| GE 180                | 9.2 | 98.7                             | 99.3 | 99.6 | 99.8 | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  |
| GE 150                | 9.2 | 98.7                             | 99.3 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 120                | 9.2 | 98.7                             | 99.3 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100                | 9.2 | 98.7                             | 99.3 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 90                 | 9.2 | 98.7                             | 99.3 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 80                 | 9.2 | 98.7                             | 99.3 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 70                 | 9.2 | 98.7                             | 99.3 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 60                 | 9.2 | 98.7                             | 99.3 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 50                 | 9.2 | 98.7                             | 99.3 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 40                 | 9.2 | 98.7                             | 99.3 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 30                 | 9.2 | 98.7                             | 99.3 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 20                 | 9.2 | 98.7                             | 99.3 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 10                 | 9.2 | 98.7                             | 99.3 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 915

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-----------------------|----------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                       | 160                              | 90   | 80   | 60    | 48    | 40    | 32    | 24    | 20    | 16    | 12    | 10    | 8     | 5     | 4     | 0     |
| NO CEIL               | 4.6                              | 34.4 | 34.6 | 34.7  | 34.7  | 34.7  | 34.7  | 34.7  | 34.7  | 34.7  | 34.7  | 34.7  | 34.7  | 34.7  | 34.7  | 34.7  |
| GE 20000              | 4.7                              | 38.9 | 39.1 | 39.3  | 39.3  | 39.3  | 39.3  | 39.3  | 39.3  | 39.3  | 39.3  | 39.3  | 39.3  | 39.3  | 39.3  | 39.3  |
| GE 18000              | 4.7                              | 39.3 | 39.5 | 39.6  | 39.6  | 39.6  | 39.6  | 39.6  | 39.6  | 39.6  | 39.6  | 39.6  | 39.6  | 39.6  | 39.6  | 39.6  |
| GE 16000              | 4.7                              | 39.3 | 39.5 | 39.6  | 39.6  | 39.6  | 39.6  | 39.6  | 39.6  | 39.6  | 39.6  | 39.6  | 39.6  | 39.6  | 39.6  | 39.6  |
| GE 14000              | 4.7                              | 39.3 | 39.5 | 39.6  | 39.6  | 39.6  | 39.6  | 39.6  | 39.6  | 39.6  | 39.6  | 39.6  | 39.6  | 39.6  | 39.6  | 39.6  |
| GE 12000              | 5.5                              | 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  |
| GE 10000              | 5.7                              | 48.6 | 48.8 | 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  |
| GE 9000               | 5.7                              | 50.6 | 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  | 50.9  |
| GE 8000               | 5.7                              | 51.6 | 51.8 | 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  |
| GE 7000               | 5.7                              | 51.6 | 51.8 | 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  |
| GE 6000               | 5.7                              | 51.6 | 51.8 | 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  |
| GE 5000               | 5.7                              | 94.3 | 94.5 | 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 4500               | 5.7                              | 94.5 | 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  | 94.8  |
| GE 4000               | 5.7                              | 96.7 | 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  | 97.1  |
| GE 3500               | 5.7                              | 97.9 | 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  | 98.3  |
| GE 3000               | 5.7                              | 99.0 | 99.3 | 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 2500               | 5.7                              | 99.1 | 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  | 99.7  |
| GE 2000               | 5.7                              | 99.3 | 99.8 | 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  |
| GE 1800               | 5.7                              | 99.3 | 99.8 | 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  |
| GE 1500               | 5.7                              | 99.3 | 99.8 | 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  |
| GE 1200               | 5.7                              | 99.3 | 99.8 | 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  |
| GE 1000               | 5.7                              | 99.3 | 99.8 | 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  |
| GE 900                | 5.7                              | 99.3 | 99.8 | 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  |
| GE 800                | 5.7                              | 99.3 | 99.8 | 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  |
| GE 700                | 5.7                              | 99.3 | 99.8 | 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  |
| GE 600                | 5.7                              | 99.3 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500                | 5.7                              | 99.3 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400                | 5.7                              | 99.3 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300                | 5.7                              | 99.3 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200                | 5.7                              | 99.3 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100                | 5.7                              | 99.3 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0                  | 5.7                              | 99.3 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 97



GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN FEET | VISIBILITY IN HUNDREDS OF METERS |      |      |      |      |      |      |      |      |       |       |       |       |       |       |       |  |
|--------------------|----------------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|--|
|                    | 160                              | 90   | 80   | 60   | 48   | 40   | 32   | 24   | 20   | 16    | 12    | 10    | 8     | 5     | 4     | C     |  |
| NO CEIL            | 5.6                              | 38.0 | 39.0 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2  | 39.2  | 39.3  | 39.3  | 39.3  | 39.3  | 39.3  |  |
| GE 20000           | 6.1                              | 44.2 | 45.5 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.9 | 45.9  | 45.9  | 45.9  | 45.9  | 45.9  | 45.9  | 45.9  |  |
| GE 18000           | 6.1                              | 44.6 | 46.0 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3  | 46.3  | 46.4  | 46.4  | 46.4  | 46.4  | 46.4  |  |
| GE 16000           | 6.1                              | 44.7 | 46.0 | 46.3 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4  | 46.4  | 46.4  | 46.4  | 46.4  | 46.4  | 46.4  |  |
| GE 14000           | 6.1                              | 44.7 | 46.1 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4  | 46.4  | 46.4  | 46.5  | 46.5  | 46.5  | 46.5  |  |
| GE 12000           | 6.7                              | 49.0 | 50.5 | 50.9 | 50.9 | 50.9 | 50.9 | 51.0 | 51.0 | 51.0  | 51.0  | 51.0  | 51.0  | 51.0  | 51.0  | 51.0  |  |
| GE 10000           | 6.8                              | 54.0 | 55.6 | 56.1 | 56.1 | 56.1 | 56.1 | 56.2 | 56.2 | 56.2  | 56.2  | 56.2  | 56.2  | 56.2  | 56.2  | 56.2  |  |
| GE 9000            | 6.8                              | 56.2 | 58.1 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.7 | 58.7  | 58.7  | 58.7  | 58.7  | 58.7  | 58.7  | 58.7  |  |
| GE 8000            | 6.8                              | 57.0 | 58.9 | 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  |  |
| GE 7000            | 6.8                              | 57.0 | 58.9 | 59.5 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6  | 59.6  | 59.7  | 59.7  | 59.7  | 59.7  | 59.7  |  |
| GE 6000            | 6.8                              | 57.0 | 58.9 | 59.5 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6  | 59.6  | 59.7  | 59.7  | 59.7  | 59.7  | 59.7  |  |
| GE 5000            | 6.9                              | 91.5 | 93.4 | 94.0 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1  | 94.1  | 94.1  | 94.1  | 94.1  | 94.1  | 94.1  |  |
| GE 4500            | 6.9                              | 91.6 | 93.6 | 94.1 | 94.2 | 94.2 | 94.2 | 94.3 | 94.3 | 94.3  | 94.3  | 94.3  | 94.3  | 94.3  | 94.3  | 94.3  |  |
| GE 4000            | 7.0                              | 93.8 | 95.7 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.5 | 96.5  | 96.5  | 96.5  | 96.5  | 96.5  | 96.5  | 96.5  |  |
| GE 3500            | 7.1                              | 95.3 | 97.3 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0  | 98.0  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  |  |
| GE 3000            | 7.1                              | 96.1 | 98.2 | 98.8 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  |  |
| GE 2500            | 7.1                              | 96.6 | 98.7 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  |  |
| GE 2000            | 7.1                              | 96.7 | 98.9 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  |  |
| GE 1800            | 7.1                              | 96.7 | 98.9 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  |  |
| GE 1500            | 7.1                              | 96.7 | 98.9 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  |  |
| GE 1200            | 7.1                              | 96.8 | 98.9 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  |  |
| GE 1000            | 7.1                              | 96.8 | 98.9 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  |  |
| GE 800             | 7.1                              | 96.8 | 98.9 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  |  |
| GE 600             | 7.1                              | 96.8 | 98.9 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  |  |
| GE 400             | 7.1                              | 96.8 | 99.0 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |  |
| GE 300             | 7.1                              | 96.8 | 99.0 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |  |
| GE 200             | 7.1                              | 96.8 | 99.0 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |  |
| GE 100             | 7.1                              | 96.8 | 99.0 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |  |

TOTAL NUMBER OF OBSERVATIONS: 7269

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: PELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS (LST): 0000-0100

| CEILING<br>IN<br>FEET | GT<br>1 | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |       |
|-----------------------|---------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|-------|
|                       |         | GE<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |       |
| NO CEIL               | J       | 5.4                              | 36.6     | 36.7     | 36.7     | 36.7     | 36.7     | 36.7     | 36.7     | 36.7     | 36.7     | 36.7     | 36.7     | 36.7    | 36.7    | 36.7    | 36.7    | 36.7  |
| GE 20000              |         | 5.4                              | 37.8     | 38.0     | 38.0     | 38.0     | 38.0     | 38.0     | 38.0     | 38.0     | 38.0     | 38.0     | 38.0     | 38.0    | 38.0    | 38.0    | 38.0    | 38.0  |
| GE 18000              |         | 5.4                              | 37.8     | 38.0     | 38.0     | 38.0     | 38.0     | 38.0     | 38.0     | 38.0     | 38.0     | 38.0     | 38.0     | 38.0    | 38.0    | 38.0    | 38.0    | 38.0  |
| GE 16000              |         | 5.4                              | 37.8     | 38.0     | 38.0     | 38.0     | 38.0     | 38.0     | 38.0     | 38.0     | 38.0     | 38.0     | 38.0     | 38.0    | 38.0    | 38.0    | 38.0    | 38.0  |
| GE 14000              |         | 5.4                              | 37.8     | 38.0     | 38.0     | 38.0     | 38.0     | 38.0     | 38.0     | 38.0     | 38.0     | 38.0     | 38.0     | 38.0    | 38.0    | 38.0    | 38.0    | 38.0  |
| GE 12000              |         | 5.4                              | 39.0     | 39.2     | 39.2     | 39.2     | 39.2     | 39.2     | 39.2     | 39.2     | 39.2     | 39.2     | 39.2     | 39.2    | 39.2    | 39.2    | 39.2    | 39.2  |
| GE 10000              |         | 5.4                              | 40.3     | 40.5     | 40.5     | 40.5     | 40.5     | 40.5     | 40.5     | 40.5     | 40.5     | 40.5     | 40.5     | 40.5    | 40.5    | 40.5    | 40.5    | 40.5  |
| GE 9000               |         | 5.5                              | 41.3     | 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    | 41.5    | 41.5  |
| GE 8000               |         | 5.5                              | 41.4     | 41.6     | 41.6     | 41.6     | 41.6     | 41.6     | 41.6     | 41.6     | 41.6     | 41.6     | 41.6     | 41.6    | 41.6    | 41.6    | 41.6    | 41.6  |
| GE 7000               |         | 5.5                              | 41.4     | 41.6     | 41.6     | 41.6     | 41.6     | 41.6     | 41.6     | 41.6     | 41.6     | 41.6     | 41.6     | 41.6    | 41.6    | 41.6    | 41.6    | 41.6  |
| GE 6000               |         | 5.5                              | 41.4     | 41.6     | 41.6     | 41.6     | 41.6     | 41.6     | 41.6     | 41.6     | 41.6     | 41.6     | 41.6     | 41.6    | 41.6    | 41.6    | 41.6    | 41.6  |
| GE 5000               |         | 5.5                              | 98.6     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9    | 98.9    | 98.9    | 98.9    | 98.9  |
| GE 4500               |         | 5.5                              | 98.6     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9    | 98.9    | 98.9    | 98.9    | 98.9  |
| GE 4000               |         | 5.5                              | 98.7     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0    | 99.0    | 99.0    | 99.0    | 99.0  |
| GE 3500               |         | 5.5                              | 98.9     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1    | 99.1    | 99.1    | 99.1    | 99.1  |
| GE 3000               |         | 5.5                              | 99.2     | 99.4     | 99.5     | 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 2500               |         | 5.5                              | 99.4     | 99.7     | 99.8     | 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  |
| GE 2000               |         | 5.5                              | 99.4     | 99.7     | 99.8     | 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  |
| GE 1800               |         | 5.5                              | 99.4     | 99.7     | 99.8     | 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  |
| GE 1500               |         | 5.5                              | 99.4     | 99.7     | 99.8     | 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  |
| GE 1200               |         | 5.5                              | 99.5     | 99.6     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 1000               |         | 5.5                              | 99.5     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 900                |         | 5.5                              | 99.5     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 800                |         | 5.5                              | 99.5     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 700                |         | 5.5                              | 99.5     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 600                |         | 5.5                              | 99.5     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 500                |         | 5.5                              | 99.5     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 400                |         | 5.5                              | 99.5     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 300                |         | 5.5                              | 99.5     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 200                |         | 5.5                              | 99.5     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 100                |         | 5.5                              | 99.5     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 0                  |         | 5.5                              | 99.5     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 872

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GE<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 5.5                              | 35.7     | 36.7     | 36.9     | 36.9     | 36.9     | 36.9     | 36.9     | 36.9     | 36.9     | 36.9     | 36.9     | 36.9    | 36.9    | 36.9    | 36.9    |
| GE 20000              | 5.5                              | 36.9     | 38.0     | 38.2     | 38.2     | 38.2     | 38.2     | 38.2     | 38.2     | 38.2     | 38.2     | 38.2     | 38.2    | 38.2    | 38.2    | 38.2    |
| GE 18000              | 5.5                              | 36.9     | 38.0     | 38.2     | 38.2     | 38.2     | 38.2     | 38.2     | 38.2     | 38.2     | 38.2     | 38.2     | 38.2    | 38.2    | 38.2    | 38.2    |
| GE 16000              | 5.5                              | 36.9     | 38.0     | 38.2     | 38.2     | 38.2     | 38.2     | 38.2     | 38.2     | 38.2     | 38.2     | 38.2     | 38.2    | 38.2    | 38.2    | 38.2    |
| GE 14000              | 5.5                              | 36.9     | 38.0     | 38.2     | 38.2     | 38.2     | 38.2     | 38.2     | 38.2     | 38.2     | 38.2     | 38.2     | 38.2    | 38.2    | 38.2    | 38.2    |
| GE 12000              | 5.5                              | 38.4     | 39.6     | 39.8     | 39.8     | 39.8     | 39.8     | 39.8     | 39.8     | 39.8     | 39.8     | 39.8     | 39.8    | 39.8    | 39.8    | 39.8    |
| GE 10000              | 5.5                              | 40.7     | 41.9     | 42.1     | 42.1     | 42.1     | 42.1     | 42.1     | 42.1     | 42.1     | 42.1     | 42.1     | 42.1    | 42.1    | 42.1    | 42.1    |
| GE 9000               | 5.6                              | 41.5     | 42.7     | 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    |
| GE 8000               | 5.6                              | 41.8     | 42.9     | 43.2     | 43.2     | 43.2     | 43.2     | 43.2     | 43.2     | 43.2     | 43.2     | 43.2     | 43.2    | 43.2    | 43.2    | 43.2    |
| GE 7000               | 5.6                              | 41.8     | 42.9     | 43.2     | 43.2     | 43.2     | 43.2     | 43.2     | 43.2     | 43.2     | 43.2     | 43.2     | 43.2    | 43.2    | 43.2    | 43.2    |
| GE 6000               | 5.6                              | 41.8     | 42.9     | 43.2     | 43.2     | 43.2     | 43.2     | 43.2     | 43.2     | 43.2     | 43.2     | 43.2     | 43.2    | 43.2    | 43.2    | 43.2    |
| GE 5000               | 5.6                              | 97.1     | 98.3     | 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    |
| GE 4500               | 5.6                              | 97.1     | 98.3     | 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    |
| GE 4000               | 5.6                              | 97.4     | 98.5     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7    | 98.7    | 98.7    | 98.7    |
| GE 3500               | 5.6                              | 97.7     | 98.8     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1    | 99.1    | 99.1    | 99.1    |
| GE 3000               | 5.6                              | 97.9     | 99.1     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.3    |
| GE 2500               | 5.6                              | 98.4     | 99.5     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 2000               | 5.6                              | 98.4     | 99.5     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 1800               | 5.6                              | 98.4     | 99.5     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 1500               | 5.6                              | 98.4     | 99.5     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 1200               | 5.6                              | 98.4     | 99.5     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 1000               | 5.6                              | 98.4     | 99.5     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 900                | 5.6                              | 98.4     | 99.5     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 800                | 5.6                              | 98.4     | 99.5     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 700                | 5.6                              | 98.4     | 99.5     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 600                | 5.6                              | 98.4     | 99.5     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 500                | 5.6                              | 98.4     | 99.5     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 400                | 5.6                              | 98.4     | 99.5     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 300                | 5.6                              | 98.4     | 99.5     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 200                | 5.6                              | 98.4     | 99.5     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 100                | 5.6                              | 98.4     | 99.5     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 0                  | 5.6                              | 98.4     | 99.5     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 869

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM FOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GE<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 7.5                              | 37.0     | 41.2     | 42.0     | 42.4     | 42.4     | 42.4     | 42.4     | 42.4     | 42.4     | 42.4     | 42.4     | 42.4    | 42.4    | 42.4    | 42.4    |
| GE 20000              | 7.5                              | 38.3     | 42.7     | 43.5     | 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 18000              | 7.6                              | 38.4     | 42.8     | 43.6     | 44.0     | 44.0     | 44.0     | 44.0     | 44.0     | 44.0     | 44.0     | 44.0     | 44.0    | 44.0    | 44.0    | 44.0    |
| GE 16000              | 7.6                              | 38.4     | 42.8     | 43.6     | 44.0     | 44.0     | 44.0     | 44.0     | 44.0     | 44.0     | 44.0     | 44.0     | 44.0    | 44.0    | 44.0    | 44.0    |
| GE 14000              | 7.6                              | 38.6     | 43.1     | 43.8     | 44.2     | 44.2     | 44.2     | 44.2     | 44.2     | 44.2     | 44.2     | 44.2     | 44.2    | 44.2    | 44.2    | 44.2    |
| GE 12000              | 8.0                              | 40.0     | 44.5     | 45.3     | 45.7     | 45.7     | 45.7     | 45.7     | 45.7     | 45.7     | 45.7     | 45.7     | 45.7    | 45.7    | 45.7    | 45.7    |
| GE 10000              | 8.0                              | 42.5     | 47.0     | 47.6     | 48.2     | 48.2     | 48.2     | 48.2     | 48.2     | 48.2     | 48.2     | 48.2     | 48.2    | 48.2    | 48.2    | 48.2    |
| GE 9000               | 8.0                              | 43.5     | 48.5     | 49.4     | 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 8000               | 8.0                              | 43.6     | 48.6     | 49.5     | 49.9     | 49.9     | 49.9     | 49.9     | 49.9     | 49.9     | 49.9     | 49.9     | 49.9    | 49.9    | 49.9    | 49.9    |
| GE 7000               | 8.0                              | 43.6     | 48.6     | 49.5     | 49.9     | 49.9     | 49.9     | 49.9     | 49.9     | 49.9     | 49.9     | 49.9     | 49.9    | 49.9    | 49.9    | 49.9    |
| GE 6000               | 8.0                              | 43.6     | 48.6     | 49.5     | 49.9     | 49.9     | 49.9     | 49.9     | 49.9     | 49.9     | 49.9     | 49.9     | 49.9    | 49.9    | 49.9    | 49.9    |
| GE 5000               | 8.0                              | 91.7     | 96.7     | 97.6     | 97.9     | 97.9     | 97.9     | 97.9     | 97.9     | 97.9     | 97.9     | 97.9     | 97.9    | 97.9    | 97.9    | 97.9    |
| GE 4500               | 8.0                              | 91.7     | 96.7     | 97.6     | 97.9     | 97.9     | 97.9     | 97.9     | 97.9     | 97.9     | 97.9     | 97.9     | 97.9    | 97.9    | 97.9    | 97.9    |
| GE 4000               | 8.2                              | 92.4     | 97.4     | 98.3     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6    | 98.6    | 98.6    | 98.6    |
| GE 3500               | 8.2                              | 92.7     | 97.7     | 98.7     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1    | 99.1    | 99.1    | 99.1    |
| GE 3000               | 8.2                              | 93.2     | 98.2     | 99.2     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5    | 99.5    | 99.5    | 99.5    |
| GE 2500               | 8.2                              | 93.3     | 98.3     | 99.3     | 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 2000               | 8.2                              | 93.3     | 98.3     | 99.3     | 99.7     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 1800               | 8.2                              | 93.3     | 98.3     | 99.3     | 99.7     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 1500               | 8.2                              | 93.3     | 98.3     | 99.3     | 99.7     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 1200               | 8.2                              | 93.3     | 98.3     | 99.3     | 99.7     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 1000               | 8.2                              | 93.3     | 98.3     | 99.3     | 99.7     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 900                | 8.2                              | 93.3     | 98.3     | 99.3     | 99.7     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 800                | 8.2                              | 93.3     | 98.3     | 99.3     | 99.7     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 700                | 8.2                              | 93.3     | 98.3     | 99.3     | 99.7     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 600                | 8.2                              | 93.3     | 98.3     | 99.3     | 99.7     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 500                | 8.2                              | 92.3     | 98.3     | 99.3     | 99.7     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 400                | 8.2                              | 93.3     | 98.3     | 99.3     | 99.7     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 300                | 8.2                              | 93.3     | 98.3     | 99.3     | 99.7     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 200                | 9.2                              | 93.3     | 98.3     | 99.3     | 99.7     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 100                | 8.2                              | 93.3     | 98.3     | 99.3     | 99.7     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 0                  | 8.2                              | 93.3     | 98.3     | 99.3     | 99.7     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 878

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN FEET | GT<br>160 | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |         |         |         |         |  |
|--------------------|-----------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|--|
|                    |           | GE<br>90                         | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |  |
| NO CEIL            | 9.9       | 45.7                             | 46.5     | 47.2     | 47.2     | 47.2     | 47.2     | 47.2     | 47.2     | 47.2     | 47.2     | 47.2     | 47.2    | 47.2    | 47.2    | 47.2    |  |
| GE 2000            | 10.2      | 48.3                             | 49.4     | 50.1     | 50.1     | 50.1     | 50.1     | 50.1     | 50.1     | 50.1     | 50.1     | 50.1     | 50.1    | 50.1    | 50.1    | 50.1    |  |
| GE 1800            | 10.2      | 48.6                             | 49.6     | 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 1600            | 10.2      | 48.6                             | 49.6     | 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 1400            | 10.2      | 48.6                             | 49.6     | 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 1200            | 10.7      | 50.7                             | 51.8     | 52.5     | 52.5     | 52.5     | 52.5     | 52.5     | 52.5     | 52.5     | 52.5     | 52.5     | 52.5    | 52.5    | 52.5    | 52.5    |  |
| GE 1000            | 10.7      | 52.7                             | 53.7     | 54.4     | 54.4     | 54.4     | 54.4     | 54.4     | 54.4     | 54.4     | 54.4     | 54.4     | 54.4    | 54.4    | 54.4    | 54.4    |  |
| GE 900             | 10.7      | 53.2                             | 54.2     | 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 800             | 10.7      | 53.3                             | 54.3     | 55.0     | 55.0     | 55.0     | 55.0     | 55.0     | 55.0     | 55.0     | 55.0     | 55.0     | 55.0    | 55.0    | 55.0    | 55.0    |  |
| GE 700             | 10.7      | 53.3                             | 54.3     | 55.0     | 55.0     | 55.0     | 55.0     | 55.0     | 55.0     | 55.0     | 55.0     | 55.0     | 55.0    | 55.0    | 55.0    | 55.0    |  |
| GE 600             | 10.7      | 53.3                             | 54.3     | 55.0     | 55.0     | 55.0     | 55.0     | 55.0     | 55.0     | 55.0     | 55.0     | 55.0     | 55.0    | 55.0    | 55.0    | 55.0    |  |
| GE 500             | 10.7      | 95.6                             | 96.7     | 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 450             | 10.7      | 95.6                             | 96.7     | 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 400             | 11.0      | 96.8                             | 97.8     | 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    |  |
| GE 350             | 11.0      | 97.0                             | 98.0     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7    | 98.7    | 98.7    | 98.7    |  |
| GE 300             | 11.0      | 97.4                             | 98.5     | 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    |  |
| GE 250             | 11.0      | 97.9                             | 99.2     | 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    |  |
| GE 200             | 11.0      | 97.9                             | 99.2     | 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    |  |
| GE 180             | 11.0      | 97.9                             | 99.2     | 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    |  |
| GE 150             | 11.0      | 97.9                             | 99.2     | 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    |  |
| GE 120             | 11.0      | 97.9                             | 99.2     | 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    |  |
| GE 100             | 11.0      | 97.9                             | 99.2     | 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    |  |
| GE 90              | 11.0      | 97.9                             | 99.2     | 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    |  |
| GE 80              | 11.0      | 97.9                             | 99.2     | 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    |  |
| GE 70              | 11.0      | 97.9                             | 99.2     | 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    |  |
| GE 60              | 11.0      | 97.9                             | 99.2     | 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    |  |
| GE 50              | 11.0      | 97.9                             | 99.2     | 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    |  |
| GE 40              | 11.0      | 97.9                             | 99.2     | 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    |  |
| GE 30              | 11.0      | 98.0                             | 99.3     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |  |
| GE 20              | 11.0      | 98.0                             | 99.3     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |  |
| GE 10              | 11.0      | 98.0                             | 99.3     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |  |
| GE 0               | 11.0      | 98.0                             | 99.3     | 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: 971

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GE<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>9 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 11.1                             | 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    | 63.4    |
| GE 20000              | 11.3                             | 67.2     | 67.2     | 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    |
| GE 18000              | 11.3                             | 67.3     | 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    | 67.4    |
| GE 16000              | 11.3                             | 67.4     | 67.4     | 67.5     | 67.5     | 67.5     | 67.5     | 67.5     | 67.5     | 67.5     | 67.5     | 67.5     | 67.5    | 67.5    | 67.5    | 67.5    |
| GE 14000              | 11.3                             | 67.4     | 67.4     | 67.5     | 67.5     | 67.5     | 67.5     | 67.5     | 67.5     | 67.5     | 67.5     | 67.5     | 67.5    | 67.5    | 67.5    | 67.5    |
| GE 12000              | 11.6                             | 69.3     | 69.4     | 69.6     | 69.6     | 69.6     | 69.6     | 69.6     | 69.6     | 69.6     | 69.6     | 69.6     | 69.6    | 69.6    | 69.6    | 69.6    |
| GE 10000              | 11.7                             | 71.0     | 71.2     | 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    |
| GE 9000               | 11.9                             | 72.1     | 72.2     | 72.3     | 72.3     | 72.3     | 72.3     | 72.3     | 72.3     | 72.3     | 72.3     | 72.3     | 72.3    | 72.3    | 72.3    | 72.3    |
| GE 8000               | 11.9                             | 72.1     | 72.2     | 72.3     | 72.3     | 72.3     | 72.3     | 72.3     | 72.3     | 72.3     | 72.3     | 72.3     | 72.3    | 72.3    | 72.3    | 72.3    |
| GE 7000               | 11.9                             | 72.1     | 72.2     | 72.3     | 72.3     | 72.3     | 72.3     | 72.3     | 72.3     | 72.3     | 72.3     | 72.3     | 72.3    | 72.3    | 72.3    | 72.3    |
| GE 6000               | 11.9                             | 72.1     | 72.2     | 72.3     | 72.3     | 72.3     | 72.3     | 72.3     | 72.3     | 72.3     | 72.3     | 72.3     | 72.3    | 72.3    | 72.3    | 72.3    |
| GE 5000               | 11.9                             | 96.0     | 96.1     | 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 4500               | 11.9                             | 96.0     | 96.1     | 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 4000               | 12.0                             | 97.5     | 97.6     | 97.7     | 97.7     | 97.7     | 97.7     | 97.7     | 97.7     | 97.7     | 97.7     | 97.8     | 97.8    | 97.8    | 97.8    | 97.8    |
| GE 3500               | 12.0                             | 98.4     | 98.5     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.7     | 98.7     | 98.7    | 98.7    | 98.7    | 98.7    |
| GE 3000               | 12.0                             | 99.4     | 99.5     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 2500               | 12.0                             | 99.7     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 2000               | 12.0                             | 99.7     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 1800               | 12.0                             | 99.7     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 1500               | 12.0                             | 99.7     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 1200               | 12.0                             | 99.7     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 1000               | 12.0                             | 99.7     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 900                | 12.0                             | 99.7     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 800                | 12.0                             | 99.7     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 700                | 12.0                             | 99.7     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 600                | 12.0                             | 99.7     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 500                | 12.0                             | 99.7     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 400                | 12.0                             | 99.7     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 300                | 12.0                             | 99.7     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 200                | 12.0                             | 99.7     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 100                | 12.0                             | 99.7     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 0                  | 12.0                             | 99.7     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 877

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: PELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GT<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 10.7                             | 61.6     | 61.7     | 61.7     | 61.7     | 61.7     | 61.7     | 61.7     | 61.7     | 61.7     | 61.7     | 61.7     | 61.7    | 61.7    | 61.7    | 61.7    |
| GE 2000               | 10.7                             | 65.9     | 66.0     | 66.0     | 66.0     | 66.0     | 66.0     | 66.0     | 66.0     | 66.0     | 66.0     | 66.0     | 66.0    | 66.0    | 66.0    | 66.0    |
| GE 1800               | 10.7                             | 66.6     | 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    | 66.7    |
| GE 1600               | 10.7                             | 66.6     | 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    | 66.7    |
| GE 1400               | 10.7                             | 66.6     | 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    | 66.7    |
| GE 1200               | 11.1                             | 67.8     | 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    | 67.9    |
| GE 1000               | 11.1                             | 69.4     | 69.6     | 69.6     | 69.6     | 69.6     | 69.6     | 69.6     | 69.6     | 69.6     | 69.6     | 69.6     | 69.6    | 69.6    | 69.6    | 69.6    |
| GE 900                | 11.1                             | 70.8     | 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    |
| GE 800                | 11.1                             | 71.0     | 71.4     | 71.4     | 71.4     | 71.4     | 71.4     | 71.4     | 71.4     | 71.4     | 71.4     | 71.4     | 71.4    | 71.4    | 71.4    | 71.4    |
| GE 700                | 11.1                             | 71.0     | 71.4     | 71.4     | 71.4     | 71.4     | 71.4     | 71.4     | 71.4     | 71.4     | 71.4     | 71.4     | 71.4    | 71.4    | 71.4    | 71.4    |
| GE 600                | 11.1                             | 71.0     | 71.4     | 71.4     | 71.4     | 71.4     | 71.4     | 71.4     | 71.4     | 71.4     | 71.4     | 71.4     | 71.4    | 71.4    | 71.4    | 71.4    |
| GE 500                | 11.1                             | 95.8     | 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 450                | 11.1                             | 95.8     | 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                | 11.1                             | 96.8     | 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    | 97.1    |
| GE 350                | 11.1                             | 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    | 98.2    |
| GE 300                | 11.1                             | 98.7     | 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    |
| GE 250                | 11.2                             | 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    | 99.9    | 99.9    |
| GE 200                | 11.2                             | 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    | 99.9    | 99.9    |
| GE 180                | 11.2                             | 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    | 99.9    | 99.9    |
| GE 150                | 11.2                             | 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    | 99.9    | 99.9    |
| GE 120                | 11.2                             | 99.5     | 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   |
| GE 100                | 11.2                             | 99.5     | 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   |
| GE 90                 | 11.2                             | 99.5     | 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   |
| GE 80                 | 11.2                             | 99.5     | 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   |
| GE 70                 | 11.2                             | 99.5     | 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   |
| GE 60                 | 11.2                             | 99.5     | 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   |
| GE 50                 | 11.2                             | 99.5     | 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   |
| GE 40                 | 11.2                             | 99.5     | 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   |
| GE 30                 | 11.2                             | 99.5     | 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   |
| GE 20                 | 11.2                             | 99.5     | 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   |
| GE 10                 | 11.2                             | 99.5     | 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   |
| GE 0                  | 11.2                             | 99.5     | 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   |

TOTAL NUMBER OF OBSERVATIONS: 867

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GE<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 9.7                              | 44.8     | 45.0     | 45.0     | 45.0     | 45.0     | 45.0     | 45.0     | 45.0     | 45.0     | 45.0     | 45.0     | 45.0    | 45.0    | 45.0    | 45.0    |
| GE 20000              | 9.9                              | 49.0     | 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    |
| GE 18000              | 9.9                              | 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    |
| GE 16000              | 9.9                              | 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    |
| GE 14000              | 9.9                              | 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    |
| GE 12000              | 9.9                              | 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    | 51.4    | 51.4    |
| GE 10000              | 10.0                             | 53.0     | 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 9000               | 10.0                             | 54.3     | 54.5     | 54.5     | 54.5     | 54.5     | 54.5     | 54.5     | 54.5     | 54.5     | 54.5     | 54.5     | 54.5    | 54.5    | 54.5    | 54.5    |
| GE 8000               | 10.1                             | 54.6     | 54.8     | 54.8     | 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 7000               | 10.1                             | 54.6     | 54.8     | 54.8     | 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 6000               | 10.1                             | 54.6     | 54.8     | 54.8     | 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 5000               | 10.1                             | 96.9     | 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    | 97.1    |
| GE 4500               | 10.1                             | 96.9     | 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    | 97.1    |
| GE 4000               | 10.1                             | 97.2     | 97.5     | 97.5     | 97.5     | 97.5     | 97.5     | 97.5     | 97.5     | 97.5     | 97.5     | 97.5     | 97.5    | 97.5    | 97.5    | 97.5    |
| GE 3500               | 10.3                             | 98.2     | 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    |
| GE 3000               | 10.3                             | 98.8     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1    | 99.1    | 99.1    | 99.1    |
| GE 2500               | 10.3                             | 99.3     | 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 2000               | 10.3                             | 99.3     | 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 1800               | 10.3                             | 99.3     | 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 1500               | 10.3                             | 99.3     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 1200               | 10.3                             | 99.3     | 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    | 99.9    |
| GE 1000               | 10.3                             | 99.4     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 900                | 10.3                             | 99.4     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 800                | 10.3                             | 99.4     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 700                | 10.3                             | 99.4     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 600                | 10.3                             | 99.4     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 500                | 10.3                             | 99.4     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 400                | 10.3                             | 99.4     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 300                | 10.3                             | 99.4     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 200                | 10.3                             | 99.4     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 100                | 10.3                             | 99.4     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 0                  | 10.3                             | 99.4     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 868



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: PELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GE<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 7.0                              | 39.3     | 39.3     | 39.3     | 39.3     | 39.3     | 39.3     | 39.3     | 39.3     | 39.3     | 39.3     | 39.3     | 39.3    | 39.3    | 39.3    | 39.3    |
| GE 2000               | 7.0                              | 40.3     | 40.3     | 40.3     | 40.3     | 40.3     | 40.3     | 40.3     | 40.3     | 40.3     | 40.3     | 40.3     | 40.3    | 40.3    | 40.3    | 40.3    |
| GE 1800               | 7.0                              | 40.7     | 40.7     | 40.7     | 40.7     | 40.7     | 40.7     | 40.7     | 40.7     | 40.7     | 40.7     | 40.7     | 40.7    | 40.7    | 40.7    | 40.7    |
| GE 1600               | 7.0                              | 40.7     | 40.7     | 40.7     | 40.7     | 40.7     | 40.7     | 40.7     | 40.7     | 40.7     | 40.7     | 40.7     | 40.7    | 40.7    | 40.7    | 40.7    |
| GE 1400               | 7.0                              | 40.7     | 40.7     | 40.7     | 40.7     | 40.7     | 40.7     | 40.7     | 40.7     | 40.7     | 40.7     | 40.7     | 40.7    | 40.7    | 40.7    | 40.7    |
| GE 1200               | 7.1                              | 42.2     | 42.2     | 42.2     | 42.2     | 42.2     | 42.2     | 42.2     | 42.2     | 42.2     | 42.2     | 42.2     | 42.2    | 42.2    | 42.2    | 42.2    |
| GE 1000               | 7.3                              | 44.4     | 44.4     | 44.4     | 44.4     | 44.4     | 44.4     | 44.4     | 44.4     | 44.4     | 44.4     | 44.4     | 44.4    | 44.4    | 44.4    | 44.4    |
| GE 900                | 7.3                              | 45.0     | 45.0     | 45.0     | 45.0     | 45.0     | 45.0     | 45.0     | 45.0     | 45.0     | 45.0     | 45.0     | 45.0    | 45.0    | 45.0    | 45.0    |
| GE 800                | 7.3                              | 45.1     | 45.1     | 45.1     | 45.1     | 45.1     | 45.1     | 45.1     | 45.1     | 45.1     | 45.1     | 45.1     | 45.1    | 45.1    | 45.1    | 45.1    |
| GE 700                | 7.3                              | 45.1     | 45.1     | 45.1     | 45.1     | 45.1     | 45.1     | 45.1     | 45.1     | 45.1     | 45.1     | 45.1     | 45.1    | 45.1    | 45.1    | 45.1    |
| GE 600                | 7.3                              | 45.1     | 45.1     | 45.1     | 45.1     | 45.1     | 45.1     | 45.1     | 45.1     | 45.1     | 45.1     | 45.1     | 45.1    | 45.1    | 45.1    | 45.1    |
| GE 500                | 7.3                              | 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    |
| GE 450                | 7.3                              | 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    |
| GE 400                | 7.3                              | 98.3     | 98.3     | 98.3     | 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 350                | 7.3                              | 99.0     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1    | 99.1    | 99.1    | 99.1    |
| GE 300                | 7.3                              | 99.2     | 99.3     | 99.3     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5    | 99.5    | 99.5    | 99.5    |
| GE 250                | 7.3                              | 99.4     | 99.5     | 99.5     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 200                | 7.3                              | 99.4     | 99.5     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 180                | 7.3                              | 99.4     | 99.5     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 150                | 7.3                              | 99.4     | 99.5     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 120                | 7.3                              | 99.4     | 99.5     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 100                | 7.3                              | 99.4     | 99.5     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 90                 | 7.3                              | 99.4     | 99.5     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 80                 | 7.3                              | 99.4     | 99.5     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 70                 | 7.3                              | 99.4     | 99.5     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 60                 | 7.3                              | 99.4     | 99.5     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 50                 | 7.3                              | 99.4     | 99.5     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 40                 | 7.3                              | 99.4     | 99.5     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 30                 | 7.3                              | 99.4     | 99.5     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 20                 | 7.3                              | 99.4     | 99.5     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 10                 | 7.3                              | 99.4     | 99.5     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 0                  | 7.3                              | 99.4     | 99.5     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 873

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: PELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GT<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 8.3                              | 45.5     | 46.3     | 46.5     | 46.6     | 46.6     | 46.6     | 46.6     | 46.6     | 46.6     | 46.6     | 46.6     | 46.6    | 46.6    | 46.6    | 46.6    |
| GE 20000              | 8.4                              | 48.0     | 48.8     | 49.1     | 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 18000              | 8.5                              | 48.2     | 49.0     | 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    |
| GE 16000              | 8.5                              | 48.2     | 49.1     | 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    |
| GE 14000              | 8.5                              | 48.2     | 49.1     | 49.3     | 49.3     | 49.4     | 49.4     | 49.4     | 49.4     | 49.4     | 49.4     | 49.4     | 49.4    | 49.4    | 49.4    | 49.4    |
| GE 12000              | 8.7                              | 49.8     | 50.6     | 51.0     | 51.0     | 51.0     | 51.0     | 51.0     | 51.0     | 51.0     | 51.0     | 51.0     | 51.0    | 51.0    | 51.0    | 51.0    |
| GE 10000              | 8.7                              | 51.6     | 52.7     | 52.9     | 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 9000               | 8.8                              | 52.7     | 53.7     | 53.9     | 54.0     | 54.0     | 54.0     | 54.0     | 54.0     | 54.0     | 54.0     | 54.0     | 54.0    | 54.0    | 54.0    | 54.0    |
| GE 8000               | 8.8                              | 52.9     | 53.9     | 54.1     | 54.2     | 54.2     | 54.2     | 54.2     | 54.2     | 54.2     | 54.2     | 54.2     | 54.2    | 54.2    | 54.2    | 54.2    |
| GE 7000               | 8.8                              | 52.9     | 53.9     | 54.1     | 54.2     | 54.2     | 54.2     | 54.2     | 54.2     | 54.2     | 54.2     | 54.2     | 54.2    | 54.2    | 54.2    | 54.2    |
| GE 6000               | 8.8                              | 52.9     | 53.9     | 54.1     | 54.2     | 54.2     | 54.2     | 54.2     | 54.2     | 54.2     | 54.2     | 54.2     | 54.2    | 54.2    | 54.2    | 54.2    |
| GE 5000               | 8.8                              | 96.2     | 97.2     | 97.5     | 97.5     | 97.5     | 97.5     | 97.5     | 97.5     | 97.5     | 97.5     | 97.5     | 97.5    | 97.5    | 97.5    | 97.5    |
| GE 4500               | 8.8                              | 96.2     | 97.2     | 97.5     | 97.5     | 97.5     | 97.5     | 97.5     | 97.5     | 97.5     | 97.5     | 97.5     | 97.5    | 97.5    | 97.5    | 97.5    |
| GE 4000               | 8.9                              | 96.9     | 97.9     | 98.1     | 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 3500               | 8.9                              | 97.4     | 98.5     | 98.7     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8    | 98.8    | 98.8    | 98.8    |
| GE 3000               | 8.9                              | 98.0     | 99.0     | 99.3     | 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 2500               | 8.9                              | 98.4     | 99.4     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 2000               | 8.9                              | 98.4     | 99.4     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 1800               | 8.9                              | 98.4     | 99.4     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 1500               | 8.9                              | 98.4     | 99.5     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 1200               | 8.9                              | 98.4     | 99.5     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 1000               | 8.9                              | 98.4     | 99.5     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 900                | 8.9                              | 98.4     | 99.5     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 800                | 8.9                              | 98.4     | 99.5     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 700                | 8.9                              | 98.4     | 99.5     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 600                | 8.9                              | 98.4     | 99.5     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 500                | 8.9                              | 98.4     | 99.5     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 400                | 8.9                              | 98.4     | 99.5     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 300                | 8.9                              | 98.4     | 99.5     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 200                | 8.9                              | 98.4     | 99.5     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 100                | 8.9                              | 98.4     | 99.5     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 0                  | 8.9                              | 98.4     | 99.5     | 99.8     | 99.9     | 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: 6975

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GT<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 3.0                              | 34.6     | 34.7     | 34.9     | 34.9     | 34.9     | 34.9     | 34.9     | 34.9     | 35.1     | 35.1     | 35.1     | 35.1    | 35.1    | 35.1    | 35.1    |
| GE 2000               | 3.0                              | 34.6     | 35.1     | 35.3     | 35.3     | 35.3     | 35.3     | 35.3     | 35.3     | 35.4     | 35.4     | 35.4     | 35.4    | 35.4    | 35.4    | 35.4    |
| GE 1800               | 3.0                              | 34.8     | 35.1     | 35.3     | 35.3     | 35.3     | 35.3     | 35.3     | 35.3     | 35.4     | 35.4     | 35.4     | 35.4    | 35.4    | 35.4    | 35.4    |
| GE 1600               | 3.0                              | 34.8     | 35.1     | 35.3     | 35.3     | 35.3     | 35.3     | 35.3     | 35.3     | 35.4     | 35.4     | 35.4     | 35.4    | 35.4    | 35.4    | 35.4    |
| GE 1400               | 3.0                              | 34.8     | 35.1     | 35.3     | 35.3     | 35.3     | 35.3     | 35.3     | 35.3     | 35.4     | 35.4     | 35.4     | 35.4    | 35.4    | 35.4    | 35.4    |
| GE 1200               | 3.0                              | 35.5     | 35.7     | 35.9     | 35.9     | 35.9     | 35.9     | 35.9     | 35.9     | 36.0     | 36.0     | 36.0     | 36.0    | 36.0    | 36.0    | 36.0    |
| GE 1000               | 3.0                              | 36.8     | 37.0     | 37.3     | 37.3     | 37.3     | 37.3     | 37.3     | 37.3     | 37.4     | 37.4     | 37.4     | 37.4    | 37.4    | 37.4    | 37.4    |
| GE 900                | 3.0                              | 37.3     | 37.5     | 37.7     | 37.7     | 37.7     | 37.7     | 37.7     | 37.7     | 37.8     | 37.8     | 37.8     | 37.8    | 37.8    | 37.8    | 37.8    |
| GE 800                | 3.0                              | 37.4     | 37.6     | 37.8     | 37.8     | 37.8     | 37.8     | 37.8     | 37.8     | 37.9     | 37.9     | 37.9     | 37.9    | 37.9    | 37.9    | 37.9    |
| GE 700                | 3.0                              | 37.4     | 37.6     | 37.8     | 37.8     | 37.8     | 37.8     | 37.8     | 37.8     | 37.9     | 37.9     | 37.9     | 37.9    | 37.9    | 37.9    | 37.9    |
| GE 600                | 3.0                              | 37.4     | 37.6     | 37.8     | 37.8     | 37.8     | 37.8     | 37.8     | 37.8     | 37.9     | 37.9     | 37.9     | 37.9    | 37.9    | 37.9    | 37.9    |
| GE 500                | 3.0                              | 98.2     | 98.5     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.8     | 98.8     | 98.8     | 98.8    | 98.8    | 98.8    | 98.8    |
| GE 450                | 3.0                              | 98.2     | 98.5     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.8     | 98.8     | 98.8     | 98.8    | 98.8    | 98.8    | 98.8    |
| GE 400                | 3.0                              | 99.2     | 99.5     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 350                | 3.0                              | 99.3     | 99.6     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 300                | 3.0                              | 99.3     | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 250                | 3.0                              | 99.3     | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 200                | 3.0                              | 99.3     | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 180                | 3.0                              | 99.3     | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 150                | 3.0                              | 99.3     | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 120                | 3.0                              | 99.3     | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 100                | 3.0                              | 99.3     | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 90                 | 3.0                              | 99.3     | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 80                 | 3.0                              | 99.3     | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 70                 | 3.0                              | 99.3     | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 60                 | 3.0                              | 99.3     | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 50                 | 3.0                              | 99.3     | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 40                 | 3.0                              | 99.3     | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 30                 | 3.0                              | 99.3     | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 20                 | 3.0                              | 99.3     | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 10                 | 3.0                              | 99.3     | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 910

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | GT<br>160 | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|-----------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       |           | GE<br>90                         | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 2.5       | 35.0                             | 35.4     | 35.8     | 35.9     | 35.9     | 35.9     | 35.9     | 35.9     | 35.9     | 35.9     | 35.9     | 35.9    | 35.9    | 35.9    | 35.9    |
| GE 20000              | 2.5       | 35.0                             | 35.5     | 35.9     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0    | 36.0    | 36.0    | 36.0    |
| GE 18000              | 2.5       | 35.0                             | 35.5     | 35.9     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0    | 36.0    | 36.0    | 36.0    |
| GE 16000              | 2.5       | 35.0                             | 35.5     | 35.9     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0    | 36.0    | 36.0    | 36.0    |
| GE 14000              | 2.5       | 35.0                             | 35.5     | 35.9     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0     | 36.0    | 36.0    | 36.0    | 36.0    |
| GE 12000              | 2.5       | 35.7                             | 36.1     | 36.6     | 36.7     | 36.7     | 36.7     | 36.7     | 36.7     | 36.7     | 36.7     | 36.7     | 36.7    | 36.7    | 36.7    | 36.7    |
| GE 10000              | 2.5       | 37.2                             | 37.7     | 38.1     | 38.2     | 38.2     | 38.2     | 38.2     | 38.2     | 38.2     | 38.2     | 38.2     | 38.2    | 38.2    | 38.2    | 38.2    |
| GE 9000               | 2.5       | 37.7                             | 38.1     | 38.5     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7    | 38.7    | 38.7    | 38.7    |
| GE 8000               | 2.5       | 38.2                             | 38.7     | 39.1     | 39.2     | 39.2     | 39.2     | 39.2     | 39.2     | 39.2     | 39.2     | 39.2     | 39.2    | 39.2    | 39.2    | 39.2    |
| GE 7000               | 2.5       | 38.2                             | 38.7     | 39.1     | 39.2     | 39.2     | 39.2     | 39.2     | 39.2     | 39.2     | 39.2     | 39.2     | 39.2    | 39.2    | 39.2    | 39.2    |
| GE 6000               | 2.5       | 38.2                             | 38.7     | 39.1     | 39.2     | 39.2     | 39.2     | 39.2     | 39.2     | 39.2     | 39.2     | 39.2     | 39.2    | 39.2    | 39.2    | 39.2    |
| GE 5000               | 2.5       | 98.2                             | 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    |
| GE 4500               | 2.5       | 98.2                             | 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    |
| GE 4000               | 2.5       | 98.9                             | 99.3     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 3500               | 2.5       | 98.9                             | 99.3     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 3000               | 2.5       | 98.9                             | 99.3     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 2500               | 2.5       | 98.9                             | 99.3     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 2000               | 2.5       | 98.9                             | 99.3     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 1800               | 2.5       | 98.9                             | 99.3     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 1500               | 2.5       | 98.9                             | 99.3     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 1200               | 2.5       | 98.9                             | 99.3     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 1000               | 2.5       | 98.9                             | 99.3     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 900                | 2.5       | 98.9                             | 99.3     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 800                | 2.5       | 98.9                             | 99.3     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 700                | 2.5       | 98.9                             | 99.3     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 600                | 2.5       | 98.9                             | 99.3     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 500                | 2.5       | 98.9                             | 99.3     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 400                | 2.5       | 98.9                             | 99.3     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 300                | 2.5       | 98.9                             | 99.3     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 200                | 2.5       | 98.9                             | 99.3     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 100                | 2.5       | 98.9                             | 99.3     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE                    | 2.5       | 98.9                             | 99.3     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 908



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | GT<br>160 | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |         |         |         |         |       |
|-----------------------|-----------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|-------|
|                       |           | GE<br>90                         | GE<br>90 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>9 | GE<br>5 | GE<br>4 | GE<br>0 |       |
| NO CEIL               | 4.4       | 49.2                             | 50.2     | 50.7     | 50.7     | 50.7     | 50.7     | 50.7     | 50.7     | 50.7     | 50.7     | 50.7     | 50.7    | 50.8    | 50.8    | 50.8    | 50.8  |
| GE 2000               | 4.4       | 49.6                             | 50.6     | 51.0     | 51.0     | 51.0     | 51.0     | 51.0     | 51.0     | 51.0     | 51.0     | 51.0     | 51.0    | 51.1    | 51.1    | 51.1    | 51.1  |
| GE 1800               | 4.4       | 49.8                             | 50.8     | 51.2     | 51.2     | 51.2     | 51.2     | 51.2     | 51.2     | 51.2     | 51.2     | 51.2     | 51.2    | 51.3    | 51.3    | 51.3    | 51.3  |
| GE 1600               | 4.4       | 49.8                             | 50.8     | 51.2     | 51.2     | 51.2     | 51.2     | 51.2     | 51.2     | 51.2     | 51.2     | 51.2     | 51.2    | 51.3    | 51.3    | 51.3    | 51.3  |
| GE 1400               | 4.4       | 49.8                             | 50.8     | 51.2     | 51.2     | 51.2     | 51.2     | 51.2     | 51.2     | 51.2     | 51.2     | 51.2     | 51.2    | 51.3    | 51.3    | 51.3    | 51.3  |
| GE 1200               | 4.4       | 50.4                             | 51.4     | 51.9     | 51.9     | 51.9     | 51.9     | 51.9     | 51.9     | 51.9     | 51.9     | 51.9     | 51.9    | 52.0    | 52.0    | 52.0    | 52.0  |
| GE 1000               | 4.5       | 51.0                             | 52.1     | 52.5     | 52.5     | 52.5     | 52.5     | 52.5     | 52.5     | 52.5     | 52.5     | 52.5     | 52.5    | 52.7    | 52.7    | 52.7    | 52.7  |
| GE 900                | 4.5       | 51.4                             | 52.5     | 53.0     | 53.0     | 53.0     | 53.0     | 53.0     | 53.0     | 53.0     | 53.0     | 53.0     | 53.0    | 53.1    | 53.1    | 53.1    | 53.1  |
| GE 800                | 4.5       | 51.8                             | 52.9     | 53.3     | 53.3     | 53.3     | 53.3     | 53.3     | 53.3     | 53.3     | 53.3     | 53.3     | 53.3    | 53.4    | 53.4    | 53.4    | 53.4  |
| GE 700                | 4.5       | 51.8                             | 52.9     | 53.3     | 53.3     | 53.3     | 53.3     | 53.3     | 53.3     | 53.3     | 53.3     | 53.3     | 53.3    | 53.4    | 53.4    | 53.4    | 53.4  |
| GE 600                | 4.5       | 51.8                             | 52.9     | 53.3     | 53.3     | 53.3     | 53.3     | 53.3     | 53.3     | 53.3     | 53.3     | 53.3     | 53.3    | 53.4    | 53.4    | 53.4    | 53.4  |
| GE 500                | 4.6       | 96.3                             | 97.5     | 97.9     | 97.9     | 97.9     | 97.9     | 97.9     | 97.9     | 97.9     | 97.9     | 97.9     | 97.9    | 98.0    | 98.0    | 98.0    | 98.0  |
| GE 450                | 4.6       | 96.3                             | 97.5     | 97.9     | 97.9     | 97.9     | 97.9     | 97.9     | 97.9     | 97.9     | 97.9     | 97.9     | 97.9    | 98.0    | 98.0    | 98.0    | 98.0  |
| GE 400                | 4.8       | 97.6                             | 98.7     | 99.1     | 99.2     | 99.2     | 99.2     | 99.2     | 99.2     | 99.2     | 99.2     | 99.2     | 99.2    | 99.3    | 99.3    | 99.3    | 99.3  |
| GE 350                | 4.8       | 98.0                             | 99.2     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.9    | 99.9    | 99.9    | 99.9  |
| GE 300                | 4.8       | 98.0                             | 99.2     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.9    | 99.9    | 99.9    | 99.9  |
| GE 250                | 4.8       | 98.1                             | 99.3     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 200                | 4.8       | 98.1                             | 99.3     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 180                | 4.8       | 98.1                             | 99.3     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 160                | 4.8       | 98.1                             | 99.3     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 150                | 4.8       | 98.1                             | 99.3     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 120                | 4.8       | 98.1                             | 99.3     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 100                | 4.8       | 98.1                             | 99.3     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 90                 | 4.8       | 98.1                             | 99.3     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 80                 | 4.8       | 98.1                             | 99.3     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 70                 | 4.8       | 98.1                             | 99.3     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 60                 | 4.8       | 98.1                             | 99.3     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 50                 | 4.8       | 98.1                             | 99.3     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 40                 | 4.8       | 98.1                             | 99.3     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 30                 | 4.8       | 98.1                             | 99.3     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 20                 | 4.8       | 98.1                             | 99.3     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 10                 | 4.8       | 98.1                             | 99.3     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 0                  | 4.8       | 98.1                             | 99.3     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 100.0   | 100.0   | 100.0   | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 904

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 16716C STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | GT<br>160 | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |         |         |         |         |      |
|-----------------------|-----------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|------|
|                       |           | GE<br>90                         | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |      |
| NO CEIL               | 4.9       | 64.5                             | 64.6     | 64.6     | 64.6     | 64.6     | 64.6     | 64.6     | 64.6     | 64.6     | 64.6     | 64.6     | 64.8    | 64.8    | 64.8    | 64.8    | 64.9 |
| GE 2000               | 4.9       | 64.9                             | 65.0     | 65.0     | 65.0     | 65.0     | 65.0     | 65.0     | 65.0     | 65.0     | 65.0     | 65.0     | 65.3    | 65.3    | 65.3    | 65.3    | 65.4 |
| GE 1800               | 4.9       | 64.9                             | 65.0     | 65.0     | 65.0     | 65.0     | 65.0     | 65.0     | 65.0     | 65.0     | 65.0     | 65.0     | 65.3    | 65.3    | 65.3    | 65.3    | 65.4 |
| GE 1600               | 4.9       | 64.9                             | 65.0     | 65.0     | 65.0     | 65.0     | 65.0     | 65.0     | 65.0     | 65.0     | 65.0     | 65.0     | 65.3    | 65.3    | 65.3    | 65.3    | 65.4 |
| GE 1400               | 4.9       | 64.9                             | 65.0     | 65.0     | 65.0     | 65.0     | 65.0     | 65.0     | 65.0     | 65.0     | 65.0     | 65.0     | 65.3    | 65.3    | 65.3    | 65.3    | 65.4 |
| GE 1200               | 5.0       | 66.0                             | 66.2     | 66.2     | 66.2     | 66.2     | 66.2     | 66.2     | 66.2     | 66.2     | 66.2     | 66.2     | 66.4    | 66.4    | 66.4    | 66.4    | 66.5 |
| GE 1000               | 5.1       | 67.1                             | 67.3     | 67.3     | 67.3     | 67.3     | 67.3     | 67.3     | 67.3     | 67.3     | 67.3     | 67.3     | 67.5    | 67.5    | 67.5    | 67.5    | 67.6 |
| GE 900                | 5.1       | 67.5                             | 67.6     | 67.6     | 67.6     | 67.6     | 67.6     | 67.6     | 67.6     | 67.6     | 67.6     | 67.6     | 67.8    | 67.8    | 67.8    | 67.8    | 67.9 |
| GE 800                | 5.1       | 68.0                             | 68.1     | 68.1     | 68.1     | 68.1     | 68.1     | 68.1     | 68.1     | 68.1     | 68.1     | 68.1     | 68.4    | 68.4    | 68.4    | 68.4    | 68.5 |
| GE 700                | 5.1       | 68.0                             | 68.1     | 68.1     | 68.1     | 68.1     | 68.1     | 68.1     | 68.1     | 68.1     | 68.1     | 68.1     | 68.4    | 68.4    | 68.4    | 68.4    | 68.5 |
| GE 600                | 5.1       | 68.0                             | 68.1     | 68.1     | 68.1     | 68.1     | 68.1     | 68.1     | 68.1     | 68.1     | 68.1     | 68.1     | 68.4    | 68.4    | 68.4    | 68.4    | 68.5 |
| GE 500                | 5.1       | 95.9                             | 96.0     | 96.0     | 96.0     | 96.0     | 96.0     | 96.0     | 96.0     | 96.0     | 96.0     | 96.0     | 96.3    | 96.3    | 96.3    | 96.3    | 96.4 |
| GE 450                | 5.1       | 96.1                             | 96.3     | 96.3     | 96.3     | 96.3     | 96.3     | 96.3     | 96.3     | 96.3     | 96.3     | 96.3     | 96.5    | 96.5    | 96.5    | 96.5    | 96.6 |
| GE 400                | 5.1       | 97.7                             | 97.8     | 97.8     | 97.8     | 97.8     | 97.8     | 97.8     | 97.8     | 97.8     | 97.8     | 97.8     | 98.0    | 98.0    | 98.0    | 98.0    | 98.1 |
| GE 350                | 5.1       | 98.8                             | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 99.1    | 99.1    | 99.1    | 99.1    | 99.2 |
| GE 300                | 5.1       | 99.3                             | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.7    | 99.7    | 99.7    | 99.7    | 99.8 |
| GE 2500               | 5.1       | 99.3                             | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.7    | 99.7    | 99.7    | 99.7    | 99.8 |
| GE 2000               | 5.1       | 99.3                             | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.7    | 99.7    | 99.7    | 99.7    | 99.8 |
| GE 1800               | 5.1       | 99.3                             | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.7    | 99.7    | 99.7    | 99.7    | 99.8 |
| GE 1500               | 5.1       | 99.3                             | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.7    | 99.7    | 99.7    | 99.7    | 99.8 |
| GE 1200               | 5.1       | 99.3                             | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.7    | 99.7    | 99.7    | 99.7    | 99.8 |
| GE 1000               | 5.1       | 99.3                             | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.7    | 99.7    | 99.7    | 99.7    | 99.8 |
| GE 900                | 5.1       | 99.3                             | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.7    | 99.7    | 99.7    | 99.7    | 99.8 |
| GE 800                | 5.1       | 99.3                             | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.7    | 99.7    | 99.7    | 99.7    | 99.8 |
| GE 700                | 5.1       | 99.3                             | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.7    | 99.7    | 99.7    | 99.7    | 99.8 |
| GE 600                | 5.1       | 99.3                             | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.7    | 99.7    | 99.7    | 99.7    | 99.8 |
| GE 500                | 5.1       | 99.3                             | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.7    | 99.7    | 99.7    | 99.7    | 99.8 |
| GE 400                | 5.1       | 99.3                             | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.7    | 99.7    | 99.7    | 99.7    | 99.8 |
| GE 300                | 5.1       | 99.3                             | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.7    | 99.7    | 99.7    | 99.7    | 99.8 |
| GE 200                | 5.1       | 99.3                             | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.7    | 99.7    | 99.7    | 99.7    | 99.8 |
| GE 100                | 5.1       | 99.3                             | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.7    | 99.7    | 99.7    | 99.7    | 99.8 |
| GE 0                  | 5.1       | 99.3                             | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.7    | 99.7    | 99.7    | 99.7    | 99.8 |

TOTAL NUMBER OF OBSERVATIONS: 907

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: JUL HOURS(IST): 1500-1700

| CEILING<br>IN<br>FEET | GT<br>160 | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |         |         |         |         |       |       |       |       |       |
|-----------------------|-----------|----------|----------|----------|----------|----------|----------------------------------|----------|----------|----------|----------|----------|---------|---------|---------|---------|-------|-------|-------|-------|-------|
|                       |           |          |          |          |          |          | GE<br>32                         | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |       |       |       |       |       |
| NO CEIL               | 5.5       | 67.5     | 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  | 67.8  |
| GE 2000               | 5.5       | 68.3     | 68.7     | 68.7     | 68.7     | 68.7     | 68.7                             | 68.7     | 68.7     | 68.7     | 68.7     | 68.7     | 68.7    | 68.7    | 68.7    | 68.7    | 68.7  | 68.7  | 68.7  | 68.7  | 68.7  |
| GE 1800               | 5.5       | 68.3     | 68.7     | 68.7     | 68.7     | 68.7     | 68.7                             | 68.7     | 68.7     | 68.7     | 68.7     | 68.7     | 68.7    | 68.7    | 68.7    | 68.7    | 68.7  | 68.7  | 68.7  | 68.7  | 68.7  |
| GE 1600               | 5.5       | 68.3     | 68.7     | 68.7     | 68.7     | 68.7     | 68.7                             | 68.7     | 68.7     | 68.7     | 68.7     | 68.7     | 68.7    | 68.7    | 68.7    | 68.7    | 68.7  | 68.7  | 68.7  | 68.7  | 68.7  |
| GE 1400               | 5.5       | 68.3     | 68.7     | 68.7     | 68.7     | 68.7     | 68.7                             | 68.7     | 68.7     | 68.7     | 68.7     | 68.7     | 68.7    | 68.7    | 68.7    | 68.7    | 68.7  | 68.7  | 68.7  | 68.7  | 68.7  |
| GE 1200               | 5.6       | 68.9     | 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  | 69.2  | 69.2  |
| GE 1000               | 5.6       | 69.3     | 69.6     | 69.6     | 69.6     | 69.6     | 69.6                             | 69.6     | 69.6     | 69.6     | 69.6     | 69.6     | 69.6    | 69.6    | 69.6    | 69.6    | 69.6  | 69.6  | 69.6  | 69.6  | 69.6  |
| GE 900                | 5.6       | 69.8     | 70.1     | 70.1     | 70.1     | 70.1     | 70.1                             | 70.1     | 70.1     | 70.1     | 70.1     | 70.1     | 70.1    | 70.1    | 70.1    | 70.1    | 70.1  | 70.1  | 70.1  | 70.1  | 70.1  |
| GE 800                | 5.6       | 70.1     | 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    | 70.4    | 70.4  | 70.4  | 70.4  | 70.4  | 70.4  |
| GE 700                | 5.6       | 70.1     | 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    | 70.4    | 70.4  | 70.4  | 70.4  | 70.4  | 70.4  |
| GE 600                | 5.6       | 70.1     | 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    | 70.4    | 70.4  | 70.4  | 70.4  | 70.4  | 70.4  |
| GE 500                | 5.6       | 97.8     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1                             | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1    | 98.1    | 98.1    | 98.1    | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  |
| GE 450                | 5.6       | 98.1     | 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  | 98.5  | 98.5  |
| GE 400                | 5.6       | 98.6     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9                             | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9    | 98.9    | 98.9    | 98.9    | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  |
| GE 350                | 5.6       | 98.9     | 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  | 99.2  | 99.2  |
| GE 300                | 5.6       | 99.6     | 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    | 99.9    | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  |
| GE 250                | 5.6       | 99.7     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0                            | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200                | 5.6       | 99.7     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0                            | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 180                | 5.6       | 99.7     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0                            | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 150                | 5.6       | 99.7     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0                            | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 120                | 5.5       | 99.7     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0                            | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100                | 5.6       | 99.7     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0                            | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 90                 | 5.6       | 99.7     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0                            | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 80                 | 5.6       | 99.7     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0                            | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 70                 | 5.6       | 99.7     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0                            | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 60                 | 5.6       | 99.7     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0                            | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 50                 | 5.6       | 99.7     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0                            | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 40                 | 5.6       | 99.7     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0                            | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 30                 | 5.6       | 99.7     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0                            | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 20                 | 5.6       | 99.7     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0                            | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 10                 | 5.6       | 99.7     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0                            | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 906



AD-A190 724

HELLENIKON ABS ATHENS GREECE LIMITED SURFACE  
OBSERVATIONS CLIMATIC SUMMER (U) AIR FORCE  
ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER  
MAR 88 USAFETAC/DS-887014

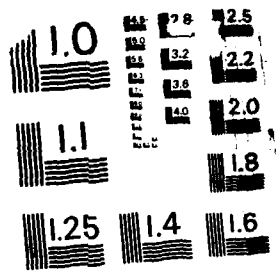
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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A



GLOBAL CLIMATOLOGY BRANCH  
LSAFETYAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GT<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 3.4                              | 37.9     | 38.2     | 38.2     | 38.2     | 38.2     | 38.2     | 38.2     | 38.3     | 38.3     | 38.3     | 38.3     | 38.3    | 38.3    | 38.3    | 38.3    |
| GE 20000              | 3.4                              | 38.2     | 38.5     | 38.5     | 38.5     | 38.5     | 38.5     | 38.5     | 38.6     | 38.6     | 38.6     | 38.6     | 38.6    | 38.6    | 38.6    | 38.6    |
| GE 18000              | 3.4                              | 38.3     | 38.6     | 38.6     | 38.6     | 38.6     | 38.6     | 38.6     | 38.8     | 38.8     | 38.8     | 38.8     | 38.8    | 38.8    | 38.8    | 38.8    |
| GE 16000              | 3.4                              | 38.3     | 38.6     | 38.6     | 38.6     | 38.6     | 38.6     | 38.6     | 38.8     | 38.8     | 38.8     | 38.8     | 38.8    | 38.8    | 38.8    | 38.8    |
| GE 14000              | 3.4                              | 38.3     | 38.6     | 38.6     | 38.6     | 38.6     | 38.6     | 38.6     | 38.8     | 38.8     | 38.8     | 38.8     | 38.8    | 38.8    | 38.8    | 38.8    |
| GE 12000              | 3.4                              | 39.0     | 39.3     | 39.3     | 39.3     | 39.3     | 39.3     | 39.3     | 39.4     | 39.4     | 39.4     | 39.4     | 39.4    | 39.4    | 39.4    | 39.4    |
| GE 10000              | 3.4                              | 39.8     | 40.2     | 40.2     | 40.2     | 40.2     | 40.2     | 40.2     | 40.3     | 40.3     | 40.3     | 40.3     | 40.3    | 40.3    | 40.3    | 40.3    |
| GE 9000               | 3.4                              | 40.2     | 40.5     | 40.5     | 40.5     | 40.5     | 40.5     | 40.5     | 40.6     | 40.6     | 40.6     | 40.6     | 40.6    | 40.6    | 40.6    | 40.6    |
| GE 8000               | 3.4                              | 40.5     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8     | 40.9     | 40.9     | 40.9     | 40.9     | 40.9    | 40.9    | 40.9    | 40.9    |
| GE 7000               | 3.4                              | 40.5     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8     | 40.9     | 40.9     | 40.9     | 40.9     | 40.9    | 40.9    | 40.9    | 40.9    |
| GE 6000               | 3.4                              | 40.5     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8     | 40.9     | 40.9     | 40.9     | 40.9     | 40.9    | 40.9    | 40.9    | 40.9    |
| GE 5000               | 3.4                              | 98.0     | 98.4     | 98.4     | 98.4     | 98.4     | 98.4     | 98.4     | 98.5     | 98.5     | 98.5     | 98.5     | 98.5    | 98.5    | 98.5    | 98.5    |
| GE 4500               | 3.4                              | 98.1     | 98.5     | 98.5     | 98.5     | 98.5     | 98.5     | 98.5     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6    | 98.6    | 98.6    | 98.6    |
| GE 4000               | 3.4                              | 98.7     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1    | 99.1    | 99.1    | 99.1    |
| GE 3500               | 3.4                              | 98.8     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.2     | 99.2     | 99.2     | 99.2     | 99.2    | 99.2    | 99.2    | 99.2    |
| GE 3000               | 3.4                              | 98.9     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5    | 99.5    | 99.5    | 99.5    |
| GE 2500               | 3.4                              | 99.0     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.6    |
| GE 2000               | 3.4                              | 99.0     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.7    | 99.7    |
| GE 1800               | 3.4                              | 99.0     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.7    | 99.7    |
| GE 1500               | 3.4                              | 99.0     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.7    | 99.7    |
| GE 1200               | 3.4                              | 99.1     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 1000               | 3.4                              | 99.1     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 900                | 3.4                              | 99.1     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 800                | 3.4                              | 99.1     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 700                | 3.4                              | 99.1     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 600                | 3.4                              | 99.1     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 500                | 3.4                              | 99.1     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 400                | 3.4                              | 99.1     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 300                | 3.4                              | 99.1     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 200                | 3.4                              | 99.1     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 100                | 3.4                              | 99.1     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 0                  | 3.4                              | 99.1     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |

TOTAL NUMBER OF OBSERVATIONS: 916

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM FOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GT<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 4.1                              | 46.8     | 47.6     | 47.9     | 47.9     | 47.9     | 47.9     | 47.9     | 48.0     | 48.0     | 48.0     | 48.0     | 48.0    | 48.0    | 48.0    | 48.0    |
| GE 2000               | 4.1                              | 47.1     | 48.0     | 48.3     | 48.4     | 48.4     | 48.4     | 48.4     | 48.4     | 48.4     | 48.4     | 48.4     | 48.4    | 48.4    | 48.4    | 48.4    |
| GE 1800               | 4.1                              | 47.2     | 48.0     | 48.4     | 48.4     | 48.4     | 48.4     | 48.4     | 48.4     | 48.4     | 48.4     | 48.4     | 48.5    | 48.5    | 48.5    | 48.5    |
| GE 1600               | 4.1                              | 47.2     | 48.0     | 48.4     | 48.4     | 48.4     | 48.4     | 48.4     | 48.4     | 48.4     | 48.4     | 48.4     | 48.5    | 48.5    | 48.5    | 48.5    |
| GE 1400               | 4.1                              | 47.2     | 48.0     | 48.4     | 48.4     | 48.4     | 48.4     | 48.4     | 48.4     | 48.4     | 48.4     | 48.4     | 48.5    | 48.5    | 48.5    | 48.5    |
| GE 1200               | 4.1                              | 48.0     | 48.8     | 49.2     | 49.2     | 49.2     | 49.2     | 49.2     | 49.2     | 49.2     | 49.2     | 49.2     | 49.2    | 49.3    | 49.3    | 49.3    |
| GE 1000               | 4.2                              | 48.9     | 49.8     | 50.2     | 50.2     | 50.2     | 50.2     | 50.2     | 50.2     | 50.2     | 50.2     | 50.2     | 50.2    | 50.3    | 50.3    | 50.3    |
| GE 900                | 4.2                              | 49.4     | 50.3     | 50.7     | 50.7     | 50.7     | 50.7     | 50.7     | 50.7     | 50.7     | 50.7     | 50.7     | 50.8    | 50.8    | 50.8    | 50.8    |
| GE 800                | 4.2                              | 49.8     | 50.7     | 51.1     | 51.1     | 51.1     | 51.1     | 51.1     | 51.1     | 51.1     | 51.2     | 51.2     | 51.2    | 51.2    | 51.2    | 51.2    |
| GE 700                | 4.2                              | 49.8     | 50.7     | 51.1     | 51.1     | 51.1     | 51.1     | 51.1     | 51.1     | 51.1     | 51.2     | 51.2     | 51.2    | 51.2    | 51.2    | 51.2    |
| GE 600                | 4.2                              | 49.8     | 50.7     | 51.1     | 51.1     | 51.1     | 51.1     | 51.1     | 51.1     | 51.1     | 51.2     | 51.2     | 51.2    | 51.2    | 51.2    | 51.2    |
| GE 500                | 4.2                              | 96.8     | 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    |
| GE 450                | 4.2                              | 96.9     | 97.8     | 98.2     | 98.2     | 98.2     | 98.2     | 98.2     | 98.2     | 98.2     | 98.2     | 98.2     | 98.2    | 98.3    | 98.3    | 98.3    |
| GE 400                | 4.2                              | 97.8     | 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    |
| GE 350                | 4.2                              | 98.1     | 99.1     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.6    | 99.6    | 99.6    | 99.6    |
| GE 300                | 4.2                              | 98.3     | 99.3     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 250                | 4.2                              | 98.4     | 99.4     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 200                | 4.2                              | 98.4     | 99.4     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 100.0   |
| GE 180                | 4.2                              | 98.4     | 99.4     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 100.0   |
| GE 150                | 4.2                              | 98.4     | 99.4     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 100.0   |
| GE 120                | 4.2                              | 98.4     | 99.4     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 100.0   |
| GE 100                | 4.2                              | 98.4     | 99.4     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 100.0   |
| GE 90                 | 4.2                              | 98.4     | 99.4     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 100.0   |
| GE 80                 | 4.2                              | 98.4     | 99.4     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 100.0   |
| GE 70                 | 4.2                              | 98.4     | 99.4     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 100.0   |
| GE 60                 | 4.2                              | 98.4     | 99.4     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 100.0   |
| GE 50                 | 4.2                              | 98.4     | 99.4     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 100.0   |
| GE 40                 | 4.2                              | 98.4     | 99.4     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 100.0   |
| GE 30                 | 4.2                              | 98.4     | 99.4     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 100.0   |
| GE 20                 | 4.2                              | 98.4     | 99.4     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 100.0   |
| GE 10                 | 4.2                              | 98.4     | 99.4     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 100.0   |
| GE 0                  | 4.2                              | 98.4     | 99.4     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 7270

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | GT  | VISIBILITY IN HUNDREDS OF METERS |       |       |       |       |       |       |       |       |       |       |       |      |      |       |       |
|-----------------------|-----|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|-------|-------|
|                       |     | GE 160                           | GE 90 | GE 80 | GE 60 | GE 48 | GE 40 | GE 32 | GE 24 | GE 20 | GE 16 | GE 12 | GE 10 | GE 8 | GE 5 | GE 4  | GE 0  |
| NO CEIL               | 2.1 | 35.5                             | 35.8  | 36.0  | 36.0  | 36.0  | 36.0  | 36.0  | 36.0  | 36.0  | 36.0  | 36.0  | 36.0  | 36.0 | 36.0 | 36.1  | 36.1  |
| GE 20000              | 2.1 | 36.1                             | 36.4  | 36.5  | 36.5  | 36.5  | 36.5  | 36.5  | 36.5  | 36.5  | 36.5  | 36.5  | 36.5  | 36.5 | 36.5 | 36.6  | 36.6  |
| GE 18000              | 2.1 | 36.1                             | 36.4  | 36.5  | 36.5  | 36.5  | 36.5  | 36.5  | 36.5  | 36.5  | 36.5  | 36.5  | 36.5  | 36.5 | 36.5 | 36.6  | 36.6  |
| GE 16000              | 2.1 | 36.1                             | 36.4  | 36.5  | 36.5  | 36.5  | 36.5  | 36.5  | 36.5  | 36.5  | 36.5  | 36.5  | 36.5  | 36.5 | 36.5 | 36.6  | 36.6  |
| GE 14000              | 2.1 | 36.1                             | 36.4  | 36.5  | 36.5  | 36.5  | 36.5  | 36.5  | 36.5  | 36.5  | 36.5  | 36.5  | 36.5  | 36.5 | 36.5 | 36.6  | 36.6  |
| GE 12000              | 2.3 | 37.5                             | 37.8  | 37.9  | 37.9  | 37.9  | 37.9  | 37.9  | 37.9  | 37.9  | 37.9  | 37.9  | 37.9  | 37.9 | 37.9 | 38.1  | 38.1  |
| GE 10000              | 2.3 | 39.3                             | 39.6  | 39.7  | 39.7  | 39.7  | 39.7  | 39.7  | 39.7  | 39.7  | 39.7  | 39.7  | 39.7  | 39.7 | 39.7 | 39.8  | 39.8  |
| GE 9000               | 2.3 | 40.2                             | 40.5  | 40.6  | 40.6  | 40.6  | 40.6  | 40.6  | 40.6  | 40.6  | 40.6  | 40.6  | 40.6  | 40.6 | 40.6 | 40.7  | 40.7  |
| GE 8000               | 2.3 | 40.2                             | 40.5  | 40.6  | 40.6  | 40.6  | 40.6  | 40.6  | 40.6  | 40.6  | 40.6  | 40.6  | 40.6  | 40.6 | 40.6 | 40.7  | 40.7  |
| GE 7000               | 2.3 | 40.2                             | 40.5  | 40.6  | 40.6  | 40.6  | 40.6  | 40.6  | 40.6  | 40.6  | 40.6  | 40.6  | 40.6  | 40.6 | 40.6 | 40.7  | 40.7  |
| GE 6000               | 2.3 | 40.2                             | 40.5  | 40.6  | 40.6  | 40.6  | 40.6  | 40.6  | 40.6  | 40.6  | 40.6  | 40.6  | 40.6  | 40.6 | 40.6 | 40.7  | 40.7  |
| GE 5000               | 2.3 | 98.5                             | 98.8  | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  | 98.9 | 98.9 | 99.0  | 99.0  |
| GE 4500               | 2.3 | 98.7                             | 99.0  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1 | 99.1 | 99.2  | 99.2  |
| GE 4000               | 2.5 | 99.1                             | 99.4  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6 | 99.6 | 99.7  | 99.7  |
| GE 3500               | 2.5 | 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 | 99.8  | 99.8  |
| GE 3000               | 2.5 | 99.3                             | 99.7  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8 | 99.8 | 99.9  | 99.9  |
| GE 2500               | 2.5 | 99.4                             | 99.8  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 2000               | 2.5 | 99.4                             | 99.8  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 1800               | 2.5 | 99.4                             | 99.8  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 1500               | 2.5 | 99.4                             | 99.8  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 1200               | 2.5 | 99.4                             | 99.8  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 1000               | 2.5 | 99.4                             | 99.8  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 900                | 2.5 | 99.4                             | 99.8  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 800                | 2.5 | 99.4                             | 99.8  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 700                | 2.5 | 99.4                             | 99.8  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 600                | 2.5 | 99.4                             | 99.8  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 500                | 2.5 | 99.4                             | 99.8  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 400                | 2.5 | 99.4                             | 99.8  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 300                | 2.5 | 99.4                             | 99.8  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 200                | 2.5 | 99.4                             | 99.8  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 100                | 2.5 | 99.4                             | 99.8  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 0                  | 2.5 | 99.4                             | 99.8  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 924

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GE<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 2.2                              | 35.4     | 36.0     | 36.3     | 36.3     | 36.3     | 36.3     | 36.3     | 36.3     | 36.3     | 36.3     | 36.3     | 36.3    | 36.3    | 36.3    | 36.4    |
| GE 20000              | 2.3                              | 35.9     | 36.6     | 36.8     | 36.8     | 36.8     | 36.8     | 36.8     | 36.8     | 36.8     | 36.8     | 36.8     | 36.8    | 36.8    | 36.8    | 36.9    |
| GE 18000              | 2.3                              | 35.9     | 36.6     | 36.8     | 36.8     | 36.8     | 36.8     | 36.8     | 36.8     | 36.8     | 36.8     | 36.8     | 36.8    | 36.8    | 36.8    | 36.9    |
| GE 16000              | 2.3                              | 35.9     | 36.6     | 36.8     | 36.8     | 36.8     | 36.8     | 36.8     | 36.8     | 36.8     | 36.8     | 36.8     | 36.8    | 36.8    | 36.8    | 36.9    |
| GE 14000              | 2.3                              | 35.9     | 36.6     | 36.8     | 36.8     | 36.8     | 36.8     | 36.8     | 36.8     | 36.8     | 36.8     | 36.8     | 36.8    | 36.8    | 36.8    | 36.9    |
| GE 12000              | 2.7                              | 36.8     | 37.5     | 37.7     | 37.7     | 37.7     | 37.7     | 37.7     | 37.7     | 37.7     | 37.7     | 37.7     | 37.7    | 37.7    | 37.7    | 37.8    |
| GE 10000              | 2.7                              | 38.0     | 38.7     | 38.9     | 38.9     | 38.9     | 38.9     | 38.9     | 38.9     | 38.9     | 38.9     | 38.9     | 38.9    | 38.9    | 38.9    | 39.0    |
| GE 9000               | 2.7                              | 39.2     | 39.8     | 40.0     | 40.0     | 40.0     | 40.0     | 40.0     | 40.0     | 40.0     | 40.0     | 40.0     | 40.0    | 40.0    | 40.0    | 40.2    |
| GE 8000               | 2.7                              | 39.3     | 39.9     | 40.2     | 40.2     | 40.2     | 40.2     | 40.2     | 40.2     | 40.2     | 40.2     | 40.2     | 40.2    | 40.2    | 40.2    | 40.3    |
| GE 7000               | 2.7                              | 39.3     | 39.9     | 40.2     | 40.2     | 40.2     | 40.2     | 40.2     | 40.2     | 40.2     | 40.2     | 40.2     | 40.2    | 40.2    | 40.2    | 40.3    |
| GE 6000               | 2.7                              | 39.3     | 39.9     | 40.2     | 40.2     | 40.2     | 40.2     | 40.2     | 40.2     | 40.2     | 40.2     | 40.2     | 40.2    | 40.2    | 40.2    | 40.3    |
| GE 5000               | 2.7                              | 98.4     | 99.1     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.4    |
| GE 4500               | 2.7                              | 98.4     | 99.1     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.4    |
| GE 4000               | 2.7                              | 98.9     | 99.6     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.9    |
| GE 3500               | 2.7                              | 98.9     | 99.6     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.9    |
| GE 3000               | 2.7                              | 98.9     | 99.6     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.9    |
| GE 2500               | 2.7                              | 98.9     | 99.6     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.9    |
| GE 2000               | 2.7                              | 98.9     | 99.6     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.9    |
| GE 1800               | 2.7                              | 98.9     | 99.6     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.9    |
| GE 1500               | 2.7                              | 98.9     | 99.6     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.9    |
| GE 1200               | 2.7                              | 98.9     | 99.6     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 1000               | 2.7                              | 98.9     | 99.6     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 900                | 2.7                              | 98.9     | 99.6     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 800                | 2.7                              | 98.9     | 99.6     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 700                | 2.7                              | 98.9     | 99.6     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 600                | 2.7                              | 98.9     | 99.6     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 500                | 2.7                              | 98.9     | 99.6     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 400                | 2.7                              | 98.9     | 99.6     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 300                | 2.7                              | 98.9     | 99.6     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 200                | 2.7                              | 98.9     | 99.6     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 100                | 2.7                              | 98.9     | 99.6     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 0                  | 2.7                              | 98.9     | 99.6     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 899

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 16716C STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GT<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 4.2                              | 38.7     | 41.1     | 42.0     | 42.3     | 42.4     | 42.4     | 42.4     | 42.4     | 42.4     | 42.4     | 42.4     | 42.4    | 42.4    | 42.4    | 42.4    |
| GE 2000               | 4.2                              | 38.7     | 41.4     | 42.3     | 42.6     | 42.7     | 42.7     | 42.7     | 42.7     | 42.7     | 42.7     | 42.7     | 42.7    | 42.7    | 42.7    | 42.7    |
| GE 1800               | 4.2                              | 38.7     | 41.4     | 42.3     | 42.6     | 42.7     | 42.7     | 42.7     | 42.7     | 42.7     | 42.7     | 42.7     | 42.7    | 42.7    | 42.7    | 42.7    |
| GE 1600               | 4.2                              | 38.7     | 41.4     | 42.3     | 42.6     | 42.7     | 42.7     | 42.7     | 42.7     | 42.7     | 42.7     | 42.7     | 42.7    | 42.7    | 42.7    | 42.7    |
| GE 1400               | 4.2                              | 38.8     | 41.5     | 42.4     | 42.7     | 42.8     | 42.8     | 42.8     | 42.8     | 42.8     | 42.8     | 42.8     | 42.8    | 42.8    | 42.8    | 42.8    |
| GE 1200               | 4.5                              | 39.5     | 42.4     | 43.3     | 43.6     | 43.7     | 43.7     | 43.7     | 43.7     | 43.7     | 43.7     | 43.7     | 43.7    | 43.7    | 43.7    | 43.7    |
| GE 1000               | 4.5                              | 40.7     | 43.6     | 44.5     | 44.8     | 44.9     | 44.9     | 44.9     | 44.9     | 44.9     | 44.9     | 44.9     | 44.9    | 44.9    | 44.9    | 44.9    |
| GE 900                | 4.5                              | 42.0     | 44.8     | 45.7     | 46.0     | 46.1     | 46.1     | 46.1     | 46.1     | 46.1     | 46.1     | 46.1     | 46.1    | 46.1    | 46.1    | 46.1    |
| GE 800                | 4.5                              | 42.7     | 45.6     | 46.5     | 46.8     | 46.9     | 46.9     | 46.9     | 46.9     | 46.9     | 46.9     | 46.9     | 46.9    | 46.9    | 46.9    | 46.9    |
| GE 700                | 4.5                              | 43.0     | 45.8     | 46.7     | 47.0     | 47.1     | 47.1     | 47.1     | 47.1     | 47.1     | 47.1     | 47.1     | 47.1    | 47.1    | 47.1    | 47.1    |
| GE 600                | 4.5                              | 43.0     | 45.8     | 46.7     | 47.0     | 47.1     | 47.1     | 47.1     | 47.1     | 47.1     | 47.1     | 47.1     | 47.1    | 47.1    | 47.1    | 47.1    |
| GE 500                | 4.5                              | 95.4     | 98.2     | 99.1     | 99.4     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.6    |
| GE 450                | 4.5                              | 95.4     | 98.2     | 99.1     | 99.4     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.6    |
| GE 400                | 4.5                              | 95.6     | 98.5     | 99.3     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 350                | 4.6                              | 95.7     | 98.6     | 99.4     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 300                | 4.6                              | 95.7     | 98.6     | 99.4     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 250                | 4.6                              | 95.7     | 98.6     | 99.4     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 200                | 4.6                              | 95.7     | 98.6     | 99.4     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 150                | 4.6                              | 95.7     | 98.6     | 99.4     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 120                | 4.6                              | 95.7     | 98.6     | 99.4     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 100                | 4.6                              | 95.7     | 98.6     | 99.4     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 100                | 4.6                              | 95.7     | 98.6     | 99.4     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 900                | 4.6                              | 95.7     | 98.6     | 99.4     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 800                | 4.6                              | 95.7     | 98.6     | 99.4     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 700                | 4.6                              | 95.7     | 98.6     | 99.4     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 600                | 4.6                              | 95.7     | 98.6     | 99.4     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 500                | 4.6                              | 95.7     | 98.6     | 99.4     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 400                | 4.6                              | 95.7     | 98.6     | 99.4     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 300                | 4.6                              | 95.7     | 98.6     | 99.4     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 200                | 4.6                              | 95.7     | 98.6     | 99.4     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 100                | 4.6                              | 95.7     | 98.6     | 99.4     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 0                  | 4.6                              | 95.7     | 98.6     | 99.4     | 99.9     | 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: 948



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: AUG HOURS(IST): 0900-1100

| CEILING<br>IN<br>FEET | GT<br>160 | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|-----------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       |           | GE<br>90                         | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 5.1       | 50.2                             | 51.6     | 52.2     | 52.4     | 52.4     | 52.4     | 52.4     | 52.4     | 52.4     | 52.4     | 52.4     | 52.4    | 52.4    | 52.4    | 52.4    |
| GE 2000               | 5.2       | 50.3                             | 51.7     | 52.3     | 52.5     | 52.5     | 52.5     | 52.5     | 52.5     | 52.5     | 52.5     | 52.5     | 52.5    | 52.5    | 52.5    | 52.5    |
| GE 1800               | 5.2       | 50.3                             | 51.7     | 52.3     | 52.5     | 52.5     | 52.5     | 52.5     | 52.5     | 52.5     | 52.5     | 52.5     | 52.5    | 52.5    | 52.5    | 52.5    |
| GE 1600               | 5.2       | 50.3                             | 51.7     | 52.3     | 52.5     | 52.5     | 52.5     | 52.5     | 52.5     | 52.5     | 52.5     | 52.5     | 52.5    | 52.5    | 52.5    | 52.5    |
| GE 1400               | 5.2       | 50.3                             | 51.7     | 52.3     | 52.5     | 52.5     | 52.5     | 52.5     | 52.5     | 52.5     | 52.5     | 52.5     | 52.5    | 52.5    | 52.5    | 52.5    |
| GE 1200               | 5.3       | 51.3                             | 52.7     | 53.3     | 53.5     | 53.5     | 53.5     | 53.5     | 53.5     | 53.5     | 53.5     | 53.5     | 53.5    | 53.5    | 53.5    | 53.5    |
| GE 1000               | 5.3       | 51.8                             | 53.3     | 53.8     | 54.1     | 54.1     | 54.1     | 54.1     | 54.1     | 54.1     | 54.1     | 54.1     | 54.1    | 54.1    | 54.1    | 54.1    |
| GE 900                | 5.3       | 53.1                             | 54.5     | 55.0     | 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 800                | 5.3       | 53.6                             | 54.9     | 55.5     | 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 700                | 5.3       | 53.5                             | 54.9     | 55.5     | 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 600                | 5.3       | 53.5                             | 54.9     | 55.5     | 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 500                | 5.3       | 97.2                             | 98.7     | 99.2     | 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 450                | 5.3       | 97.2                             | 98.7     | 99.2     | 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 400                | 5.3       | 97.4                             | 98.9     | 99.6     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 350                | 5.3       | 97.6                             | 99.0     | 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    |
| GE 300                | 5.3       | 97.6                             | 99.0     | 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    |
| GE 250                | 5.3       | 97.6                             | 99.0     | 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    |
| GE 200                | 5.3       | 97.6                             | 99.0     | 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    |
| GE 180                | 5.3       | 97.6                             | 99.0     | 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    |
| GE 150                | 5.3       | 97.6                             | 99.0     | 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    |
| GE 120                | 5.3       | 97.7                             | 99.1     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 100                | 5.3       | 97.7                             | 99.1     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 90                 | 5.3       | 97.7                             | 99.1     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 80                 | 5.3       | 97.7                             | 99.1     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 70                 | 5.3       | 97.7                             | 99.1     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 60                 | 5.3       | 97.7                             | 99.1     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 50                 | 5.3       | 97.7                             | 99.1     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 40                 | 5.3       | 97.7                             | 99.1     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 30                 | 5.3       | 97.7                             | 99.1     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 20                 | 5.3       | 97.7                             | 99.1     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 10                 | 5.3       | 97.7                             | 99.1     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 0                  | 5.3       | 97.7                             | 99.1     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 901

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: PELLENIKON ABS/ATMENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GE<br>16                         | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 6.3                              | 63.3     | 63.7     | 63.7     | 63.7     | 63.7     | 63.7     | 63.7     | 63.7     | 63.7     | 63.7     | 63.7     | 63.7    | 63.7    | 63.7    | 63.7    |
| GE 20000              | 6.3                              | 63.7     | 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    |
| GE 18000              | 6.3                              | 63.7     | 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    |
| GE 16000              | 6.3                              | 63.7     | 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    |
| GE 14000              | 6.3                              | 63.7     | 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    |
| GE 12000              | 6.3                              | 64.9     | 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    |
| GE 10000              | 6.4                              | 65.6     | 66.0     | 66.0     | 66.0     | 66.0     | 66.0     | 66.0     | 66.0     | 66.0     | 66.0     | 66.0     | 66.0    | 66.0    | 66.0    | 66.0    |
| GE 9000               | 6.4                              | 66.6     | 67.0     | 67.0     | 67.0     | 67.0     | 67.0     | 67.0     | 67.0     | 67.0     | 67.0     | 67.0     | 67.0    | 67.0    | 67.0    | 67.0    |
| GE 8000               | 6.4                              | 67.0     | 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    |
| GE 7000               | 6.4                              | 67.0     | 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    |
| GE 6000               | 6.4                              | 67.0     | 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    |
| GE 5000               | 6.4                              | 96.8     | 97.3     | 97.3     | 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 4500               | 6.4                              | 96.9     | 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 4000               | 6.5                              | 97.9     | 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    |
| GE 3500               | 6.5                              | 98.0     | 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    |
| GE 3000               | 6.5                              | 98.8     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.3    |
| GE 2500               | 6.5                              | 99.5     | 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   |
| GE 2000               | 6.5                              | 99.5     | 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   |
| GE 1800               | 6.5                              | 99.5     | 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   |
| GE 1500               | 6.5                              | 99.5     | 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   |
| GE 1200               | 6.5                              | 99.5     | 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   |
| GE 1000               | 6.5                              | 99.5     | 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   |
| GE 900                | 6.5                              | 99.5     | 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   |
| GE 800                | 6.5                              | 99.5     | 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   |
| GE 700                | 6.5                              | 99.5     | 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   |
| GE 600                | 6.5                              | 99.5     | 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   |
| GE 500                | 6.5                              | 99.5     | 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   |
| GE 400                | 6.5                              | 99.5     | 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   |
| GE 300                | 6.5                              | 99.5     | 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   |
| GE 200                | 6.5                              | 99.5     | 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   |
| GE 100                | 6.5                              | 99.5     | 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   |
| GE                    | 6.5                              | 99.5     | 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   |

TOTAL NUMBER OF OBSERVATIONS: 912

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GT<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 5.6                              | 64.3     | 64.5     | 64.5     | 64.5     | 64.5     | 64.5     | 64.5     | 64.5     | 64.5     | 64.5     | 64.5     | 64.5    | 64.5    | 64.5    | 64.5    |
| GE 20000              | 5.6                              | 64.9     | 65.1     | 65.1     | 65.1     | 65.1     | 65.1     | 65.1     | 65.1     | 65.1     | 65.1     | 65.1     | 65.1    | 65.1    | 65.1    | 65.1    |
| GE 18000              | 5.6                              | 64.9     | 65.1     | 65.1     | 65.1     | 65.1     | 65.1     | 65.1     | 65.1     | 65.1     | 65.1     | 65.1     | 65.1    | 65.1    | 65.1    | 65.1    |
| GE 16000              | 5.6                              | 64.9     | 65.1     | 65.1     | 65.1     | 65.1     | 65.1     | 65.1     | 65.1     | 65.1     | 65.1     | 65.1     | 65.1    | 65.1    | 65.1    | 65.1    |
| GE 14000              | 5.6                              | 64.9     | 65.1     | 65.1     | 65.1     | 65.1     | 65.1     | 65.1     | 65.1     | 65.1     | 65.1     | 65.1     | 65.1    | 65.1    | 65.1    | 65.1    |
| GE 12000              | 5.6                              | 64.9     | 65.1     | 65.1     | 65.1     | 65.1     | 65.1     | 65.1     | 65.1     | 65.1     | 65.1     | 65.1     | 65.1    | 65.1    | 65.1    | 65.1    |
| GE 10000              | 5.6                              | 64.9     | 65.1     | 65.1     | 65.1     | 65.1     | 65.1     | 65.1     | 65.1     | 65.1     | 65.1     | 65.1     | 65.1    | 65.1    | 65.1    | 65.1    |
| GE 9000               | 5.8                              | 67.0     | 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    |
| GE 8000               | 5.8                              | 68.1     | 68.3     | 68.3     | 68.3     | 68.3     | 68.3     | 68.3     | 68.3     | 68.3     | 68.3     | 68.3     | 68.3    | 68.3    | 68.3    | 68.3    |
| GE 7000               | 5.8                              | 68.1     | 68.3     | 68.3     | 68.3     | 68.3     | 68.3     | 68.3     | 68.3     | 68.3     | 68.3     | 68.3     | 68.3    | 68.3    | 68.3    | 68.3    |
| GE 6000               | 5.8                              | 68.1     | 68.3     | 68.3     | 68.3     | 68.3     | 68.3     | 68.3     | 68.3     | 68.3     | 68.3     | 68.3     | 68.3    | 68.3    | 68.3    | 68.3    |
| GE 5000               | 5.8                              | 96.9     | 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    | 97.1    |
| GE 4500               | 5.8                              | 96.9     | 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    | 97.1    |
| GE 4000               | 5.8                              | 97.7     | 98.0     | 98.0     | 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 3500               | 5.9                              | 98.4     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7    | 98.7    | 98.7    | 98.7    |
| GE 3000               | 5.9                              | 99.0     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.3    |
| GE 2500               | 5.9                              | 99.3     | 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 2000               | 5.9                              | 99.3     | 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 1800               | 5.9                              | 99.3     | 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 1500               | 5.9                              | 99.3     | 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 1200               | 5.9                              | 99.3     | 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 1000               | 5.9                              | 99.3     | 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 900                | 5.9                              | 99.3     | 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 800                | 5.9                              | 99.3     | 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 700                | 5.9                              | 99.3     | 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 600                | 5.9                              | 99.3     | 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 500                | 5.9                              | 99.3     | 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 400                | 5.9                              | 99.3     | 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 300                | 5.9                              | 99.3     | 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 200                | 5.9                              | 99.3     | 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                | 5.9                              | 99.3     | 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                  | 5.9                              | 99.3     | 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    |

TOTAL NUMBER OF OBSERVATIONS: 912

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIXON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GE<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 5.0                              | 41.9     | 42.0     | 42.0     | 42.2     | 42.2     | 42.2     | 42.2     | 42.2     | 42.2     | 42.2     | 42.2     | 42.2    | 42.2    | 42.2    | 42.2    |
| GE 20000              | 5.0                              | 43.1     | 43.2     | 43.2     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4    | 43.4    | 43.4    | 43.4    |
| GE 18000              | 5.0                              | 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    | 43.7    |
| GE 16000              | 5.0                              | 43.4     | 43.6     | 43.6     | 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 14000              | 5.0                              | 43.4     | 43.6     | 43.6     | 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 12000              | 5.1                              | 44.9     | 45.0     | 45.0     | 45.2     | 45.2     | 45.2     | 45.2     | 45.2     | 45.2     | 45.2     | 45.2     | 45.2    | 45.2    | 45.2    | 45.2    |
| GE 10000              | 5.1                              | 45.9     | 46.0     | 46.0     | 46.2     | 46.2     | 46.2     | 46.2     | 46.2     | 46.2     | 46.2     | 46.2     | 46.2    | 46.2    | 46.2    | 46.2    |
| GE 9000               | 5.1                              | 46.5     | 46.6     | 46.6     | 46.9     | 46.9     | 46.9     | 46.9     | 46.9     | 46.9     | 46.9     | 46.9     | 46.9    | 46.9    | 46.9    | 46.9    |
| GE 8000               | 5.1                              | 46.9     | 47.0     | 47.0     | 47.2     | 47.2     | 47.2     | 47.2     | 47.2     | 47.2     | 47.2     | 47.2     | 47.2    | 47.2    | 47.2    | 47.2    |
| GE 7000               | 5.1                              | 46.9     | 47.0     | 47.0     | 47.2     | 47.2     | 47.2     | 47.2     | 47.2     | 47.2     | 47.2     | 47.2     | 47.2    | 47.2    | 47.2    | 47.2    |
| GE 6000               | 5.1                              | 46.9     | 47.0     | 47.0     | 47.2     | 47.2     | 47.2     | 47.2     | 47.2     | 47.2     | 47.2     | 47.2     | 47.2    | 47.2    | 47.2    | 47.2    |
| GE 5000               | 5.1                              | 96.3     | 96.4     | 96.4     | 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 4500               | 5.1                              | 96.3     | 96.4     | 96.4     | 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 4000               | 5.1                              | 97.5     | 97.6     | 97.6     | 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 3500               | 5.1                              | 97.9     | 98.0     | 98.0     | 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 3000               | 5.1                              | 98.3     | 98.7     | 98.7     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0    | 99.0    | 99.0    | 99.0    |
| GE 2500               | 5.1                              | 98.8     | 99.2     | 99.3     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 2000               | 5.1                              | 98.8     | 99.2     | 99.3     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 1800               | 5.1                              | 98.8     | 99.2     | 99.3     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 1500               | 5.1                              | 98.8     | 99.2     | 99.3     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 1200               | 5.1                              | 98.8     | 99.2     | 99.3     | 99.8     | 99.8     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 1000               | 5.1                              | 98.8     | 99.2     | 99.3     | 99.8     | 99.8     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 900                | 5.1                              | 98.8     | 99.2     | 99.3     | 99.8     | 99.8     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 800                | 5.1                              | 98.8     | 99.2     | 99.3     | 99.8     | 99.8     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 700                | 5.1                              | 98.8     | 99.2     | 99.3     | 99.8     | 99.8     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 600                | 5.1                              | 98.8     | 99.2     | 99.3     | 99.8     | 99.8     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 500                | 5.1                              | 98.8     | 99.2     | 99.3     | 99.8     | 99.8     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 400                | 5.1                              | 98.8     | 99.2     | 99.3     | 99.8     | 99.8     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 300                | 5.1                              | 98.8     | 99.2     | 99.3     | 99.8     | 99.8     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 200                | 5.1                              | 98.8     | 99.2     | 99.3     | 99.8     | 99.8     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 100                | 5.1                              | 98.8     | 99.2     | 99.3     | 99.8     | 99.8     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 0                  | 5.1                              | 98.8     | 99.2     | 99.3     | 99.8     | 99.8     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 907

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM FOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GE<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 3.6                              | 39.4     | 39.6     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7    | 39.7    | 39.7    | 39.7    |
| GE 2000               | 3.6                              | 40.6     | 40.8     | 40.9     | 40.9     | 40.9     | 40.9     | 40.9     | 40.9     | 40.9     | 40.9     | 40.9     | 40.9    | 40.9    | 40.9    | 40.9    |
| GE 1800               | 3.6                              | 40.6     | 40.8     | 40.9     | 40.9     | 40.9     | 40.9     | 40.9     | 40.9     | 40.9     | 40.9     | 40.9     | 40.9    | 40.9    | 40.9    | 40.9    |
| GE 1600               | 3.6                              | 40.6     | 40.8     | 40.9     | 40.9     | 40.9     | 40.9     | 40.9     | 40.9     | 40.9     | 40.9     | 40.9     | 40.9    | 40.9    | 40.9    | 40.9    |
| GE 1400               | 3.6                              | 40.6     | 40.8     | 40.9     | 40.9     | 40.9     | 40.9     | 40.9     | 40.9     | 40.9     | 40.9     | 40.9     | 40.9    | 40.9    | 40.9    | 40.9    |
| GE 1200               | 3.8                              | 41.4     | 41.6     | 41.7     | 41.7     | 41.7     | 41.7     | 41.7     | 41.7     | 41.7     | 41.7     | 41.7     | 41.7    | 41.7    | 41.7    | 41.7    |
| GE 1000               | 3.8                              | 42.5     | 42.7     | 42.8     | 42.8     | 42.8     | 42.8     | 42.8     | 42.8     | 42.8     | 42.8     | 42.8     | 42.8    | 42.8    | 42.8    | 42.8    |
| GE 900                | 3.8                              | 43.1     | 43.3     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4    | 43.4    | 43.4    | 43.4    |
| GE 800                | 3.8                              | 43.1     | 43.3     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4    | 43.4    | 43.4    | 43.4    |
| GE 700                | 3.8                              | 43.1     | 43.3     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4    | 43.4    | 43.4    | 43.4    |
| GE 600                | 3.8                              | 43.1     | 43.3     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4    | 43.4    | 43.4    | 43.4    |
| GE 500                | 3.8                              | 98.5     | 98.7     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8    | 98.8    | 98.8    | 98.8    |
| GE 450                | 3.8                              | 98.5     | 98.7     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8    | 98.8    | 98.8    | 98.8    |
| GE 400                | 3.8                              | 99.0     | 99.2     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.3    |
| GE 350                | 3.8                              | 99.0     | 99.2     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.3    |
| GE 300                | 3.8                              | 99.5     | 99.7     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 250                | 3.8                              | 99.6     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 200                | 3.8                              | 99.6     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 180                | 3.8                              | 99.6     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 150                | 3.8                              | 99.6     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 120                | 3.8                              | 99.6     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 100                | 3.8                              | 99.6     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 90                 | 3.8                              | 99.6     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 80                 | 3.8                              | 99.6     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 70                 | 3.8                              | 99.6     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 60                 | 3.8                              | 99.6     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 50                 | 3.8                              | 99.6     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 40                 | 3.8                              | 99.6     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 30                 | 3.8                              | 99.6     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 20                 | 3.8                              | 99.6     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 10                 | 3.8                              | 99.6     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 914

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GE<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 4.3                              | 46.1     | 46.8     | 47.1     | 47.2     | 47.2     | 47.2     | 47.2     | 47.2     | 47.2     | 47.2     | 47.2     | 47.2    | 47.2    | 47.2    | 47.2    |
| GE 2000               | 4.3                              | 46.7     | 47.5     | 47.7     | 47.8     | 47.8     | 47.8     | 47.8     | 47.8     | 47.8     | 47.8     | 47.8     | 47.8    | 47.8    | 47.8    | 47.8    |
| GE 1800               | 4.3                              | 46.7     | 47.5     | 47.7     | 47.8     | 47.8     | 47.8     | 47.8     | 47.8     | 47.8     | 47.8     | 47.8     | 47.8    | 47.8    | 47.8    | 47.9    |
| GE 1600               | 4.3                              | 46.7     | 47.5     | 47.7     | 47.8     | 47.8     | 47.8     | 47.8     | 47.8     | 47.8     | 47.8     | 47.8     | 47.8    | 47.8    | 47.9    | 47.9    |
| GE 1400               | 4.3                              | 46.7     | 47.5     | 47.7     | 47.8     | 47.9     | 47.9     | 47.9     | 47.9     | 47.9     | 47.9     | 47.9     | 47.9    | 47.9    | 47.9    | 47.9    |
| GE 1200               | 4.5                              | 47.8     | 48.6     | 48.8     | 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 1000               | 4.5                              | 48.9     | 49.7     | 49.9     | 50.0     | 50.0     | 50.0     | 50.0     | 50.0     | 50.0     | 50.0     | 50.0     | 50.0    | 50.0    | 50.0    | 50.0    |
| GE 900                | 4.5                              | 49.9     | 50.6     | 50.9     | 51.0     | 51.0     | 51.0     | 51.0     | 51.0     | 51.0     | 51.0     | 51.0     | 51.0    | 51.0    | 51.0    | 51.0    |
| GE 800                | 4.5                              | 50.1     | 50.9     | 51.1     | 51.2     | 51.2     | 51.2     | 51.2     | 51.2     | 51.2     | 51.2     | 51.2     | 51.2    | 51.2    | 51.3    | 51.3    |
| GE 700                | 4.5                              | 50.1     | 50.9     | 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 600                | 4.5                              | 50.1     | 50.9     | 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 500                | 4.5                              | 97.2     | 98.0     | 98.3     | 98.4     | 98.4     | 98.4     | 98.4     | 98.4     | 98.4     | 98.4     | 98.4     | 98.4    | 98.4    | 98.4    | 98.4    |
| GE 450                | 4.5                              | 97.3     | 98.1     | 98.3     | 98.4     | 98.4     | 98.4     | 98.4     | 98.4     | 98.4     | 98.4     | 98.4     | 98.4    | 98.4    | 98.4    | 98.4    |
| GE 400                | 4.5                              | 97.9     | 98.7     | 99.0     | 99.0     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1    | 99.1    | 99.1    | 99.1    |
| GE 350                | 4.6                              | 98.1     | 98.9     | 99.1     | 99.2     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.3    |
| GE 300                | 4.6                              | 98.4     | 99.2     | 99.5     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.7    | 99.7    |
| GE 250                | 4.6                              | 98.6     | 99.4     | 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    |
| GE 200                | 4.6                              | 98.6     | 99.4     | 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    |
| GE 180                | 4.6                              | 98.6     | 99.4     | 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    |
| GE 150                | 4.6                              | 98.6     | 99.4     | 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    |
| GE 120                | 4.6                              | 98.6     | 99.5     | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 100                | 4.6                              | 98.6     | 99.5     | 99.7     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 90                 | 4.6                              | 98.6     | 99.5     | 99.7     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 80                 | 4.6                              | 98.6     | 99.5     | 99.7     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 70                 | 4.6                              | 98.6     | 99.5     | 99.7     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 60                 | 4.6                              | 98.6     | 99.5     | 99.7     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 50                 | 4.6                              | 98.6     | 99.5     | 99.7     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 40                 | 4.6                              | 98.6     | 99.5     | 99.7     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 30                 | 4.6                              | 98.6     | 99.5     | 99.7     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 20                 | 4.6                              | 98.6     | 99.5     | 99.7     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 10                 | 4.6                              | 98.6     | 99.5     | 99.7     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 0                  | 4.6                              | 98.6     | 99.5     | 99.7     | 99.9     | 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: 7257

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GE<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 3.1                              | 36.0     | 36.4     | 36.8     | 36.8     | 36.8     | 36.8     | 36.8     | 36.8     | 36.8     | 36.8     | 36.8     | 36.8    | 36.8    | 36.8    | 36.9    |
| GE 20000              | 3.2                              | 36.7     | 37.1     | 37.5     | 37.5     | 37.5     | 37.5     | 37.5     | 37.5     | 37.5     | 37.5     | 37.5     | 37.5    | 37.5    | 37.5    | 37.6    |
| GE 18000              | 3.2                              | 36.7     | 37.1     | 37.5     | 37.5     | 37.5     | 37.5     | 37.5     | 37.5     | 37.5     | 37.5     | 37.5     | 37.5    | 37.5    | 37.5    | 37.6    |
| GE 16000              | 3.2                              | 36.7     | 37.1     | 37.5     | 37.5     | 37.5     | 37.5     | 37.5     | 37.5     | 37.5     | 37.5     | 37.5     | 37.5    | 37.5    | 37.5    | 37.6    |
| GE 14000              | 3.2                              | 36.7     | 37.1     | 37.5     | 37.5     | 37.5     | 37.5     | 37.5     | 37.5     | 37.5     | 37.5     | 37.5     | 37.5    | 37.5    | 37.5    | 37.6    |
| GE 12000              | 3.2                              | 37.9     | 38.4     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7    | 38.7    | 38.7    | 38.8    |
| GE 10000              | 3.3                              | 38.6     | 39.1     | 39.4     | 39.4     | 39.4     | 39.4     | 39.4     | 39.4     | 39.4     | 39.4     | 39.4     | 39.4    | 39.4    | 39.4    | 39.5    |
| GE 9000               | 3.3                              | 39.4     | 39.9     | 40.2     | 40.2     | 40.2     | 40.2     | 40.2     | 40.2     | 40.2     | 40.2     | 40.2     | 40.2    | 40.2    | 40.2    | 40.3    |
| GE 8000               | 3.3                              | 39.6     | 40.1     | 40.4     | 40.4     | 40.4     | 40.4     | 40.4     | 40.4     | 40.4     | 40.4     | 40.4     | 40.4    | 40.4    | 40.4    | 40.5    |
| GE 7000               | 3.3                              | 39.6     | 40.1     | 40.4     | 40.4     | 40.4     | 40.4     | 40.4     | 40.4     | 40.4     | 40.4     | 40.4     | 40.4    | 40.4    | 40.4    | 40.5    |
| GE 6000               | 3.3                              | 39.6     | 40.1     | 40.4     | 40.4     | 40.4     | 40.4     | 40.4     | 40.4     | 40.4     | 40.4     | 40.4     | 40.4    | 40.4    | 40.4    | 40.5    |
| GE 5000               | 3.3                              | 96.3     | 96.8     | 97.1     | 97.1     | 97.1     | 97.1     | 97.1     | 97.1     | 97.1     | 97.1     | 97.1     | 97.1    | 97.1    | 97.1    | 97.3    |
| GE 4500               | 3.3                              | 96.3     | 96.8     | 97.1     | 97.1     | 97.1     | 97.1     | 97.1     | 97.1     | 97.1     | 97.1     | 97.1     | 97.1    | 97.1    | 97.1    | 97.3    |
| GE 4000               | 3.3                              | 97.5     | 97.9     | 98.3     | 98.3     | 98.3     | 98.3     | 98.3     | 98.3     | 98.3     | 98.3     | 98.3     | 98.3    | 98.3    | 98.3    | 98.4    |
| GE 3500               | 3.3                              | 97.8     | 98.3     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6    | 98.6    | 98.6    | 98.7    |
| GE 3000               | 3.3                              | 98.5     | 99.2     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5    | 99.5    | 99.5    | 99.7    |
| GE 2500               | 3.3                              | 98.6     | 99.3     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.7    | 99.8    |
| GE 2000               | 3.3                              | 98.7     | 99.4     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.9    |
| GE 1800               | 3.3                              | 98.7     | 99.4     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.9    |
| GE 1500               | 3.3                              | 98.7     | 99.4     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.9    |
| GE 1200               | 3.3                              | 98.7     | 99.5     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 1000               | 3.3                              | 98.7     | 99.5     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 900                | 3.3                              | 98.7     | 99.5     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 800                | 3.3                              | 98.7     | 99.5     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 700                | 3.3                              | 98.7     | 99.5     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 600                | 3.3                              | 98.7     | 99.5     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 500                | 3.3                              | 98.7     | 99.5     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 400                | 3.3                              | 98.7     | 99.5     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 300                | 3.3                              | 98.7     | 99.5     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 200                | 3.3                              | 98.7     | 99.5     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 100                | 3.3                              | 98.7     | 99.5     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 0                  | 3.3                              | 98.7     | 99.5     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 873

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87

MONTH: SEP HOURS(LST): 0300-0500

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GT<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 2.5                              | 35.3     | 35.6     | 35.6     | 35.6     | 35.6     | 35.6     | 35.6     | 35.7     | 35.7     | 35.7     | 35.7     | 35.7    | 35.7    | 35.7    | 35.7    |
| GE 2000               | 2.5                              | 36.0     | 36.2     | 36.2     | 36.2     | 36.2     | 36.2     | 36.2     | 36.4     | 36.4     | 36.4     | 36.4     | 36.4    | 36.4    | 36.4    | 36.4    |
| GE 1800               | 2.5                              | 36.1     | 36.4     | 36.4     | 36.4     | 36.4     | 36.4     | 36.4     | 36.5     | 36.5     | 36.5     | 36.5     | 36.5    | 36.5    | 36.5    | 36.5    |
| GE 1600               | 2.5                              | 36.1     | 36.4     | 36.4     | 36.4     | 36.4     | 36.4     | 36.4     | 36.5     | 36.5     | 36.5     | 36.5     | 36.5    | 36.5    | 36.5    | 36.5    |
| GE 1400               | 2.5                              | 36.1     | 36.4     | 36.4     | 36.4     | 36.4     | 36.4     | 36.4     | 36.5     | 36.5     | 36.5     | 36.5     | 36.5    | 36.5    | 36.5    | 36.5    |
| GE 1200               | 2.5                              | 38.4     | 38.6     | 38.6     | 38.6     | 38.6     | 38.6     | 38.6     | 38.8     | 38.8     | 38.8     | 38.8     | 38.8    | 38.8    | 38.8    | 38.8    |
| GE 1000               | 2.5                              | 39.7     | 39.9     | 39.9     | 39.9     | 39.9     | 39.9     | 39.9     | 40.0     | 40.0     | 40.0     | 40.0     | 40.0    | 40.0    | 40.0    | 40.0    |
| GE 900                | 2.5                              | 40.5     | 40.7     | 40.7     | 40.7     | 40.7     | 40.7     | 40.7     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8    | 40.8    | 40.8    | 40.8    |
| GE 800                | 2.5                              | 40.8     | 41.1     | 41.1     | 41.1     | 41.1     | 41.1     | 41.1     | 41.2     | 41.2     | 41.2     | 41.2     | 41.2    | 41.2    | 41.2    | 41.2    |
| GE 700                | 2.5                              | 40.8     | 41.1     | 41.1     | 41.1     | 41.1     | 41.1     | 41.1     | 41.2     | 41.2     | 41.2     | 41.2     | 41.2    | 41.2    | 41.2    | 41.2    |
| GE 600                | 2.5                              | 40.8     | 41.1     | 41.1     | 41.1     | 41.1     | 41.1     | 41.1     | 41.2     | 41.2     | 41.2     | 41.2     | 41.2    | 41.2    | 41.2    | 41.2    |
| GE 500                | 2.5                              | 97.5     | 97.7     | 97.7     | 97.7     | 97.7     | 97.7     | 97.7     | 97.8     | 97.8     | 97.8     | 97.8     | 97.8    | 97.8    | 97.8    | 97.8    |
| GE 450                | 2.5                              | 97.5     | 97.7     | 97.7     | 97.7     | 97.7     | 97.7     | 97.7     | 97.8     | 97.8     | 97.8     | 97.8     | 97.8    | 97.8    | 97.8    | 97.8    |
| GE 400                | 2.9                              | 99.0     | 99.2     | 99.2     | 99.2     | 99.2     | 99.2     | 99.2     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.3    |
| GE 350                | 2.9                              | 99.1     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4    | 99.4    | 99.4    | 99.4    |
| GE 300                | 3.0                              | 99.5     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 250                | 3.0                              | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 200                | 3.0                              | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 180                | 3.0                              | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 150                | 3.0                              | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 120                | 3.0                              | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 100                | 3.0                              | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 90                 | 3.0                              | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 80                 | 3.0                              | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 70                 | 3.0                              | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 60                 | 3.0                              | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 50                 | 3.0                              | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 40                 | 3.0                              | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 30                 | 3.0                              | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 20                 | 3.0                              | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 10                 | 3.0                              | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE                    | nl                               | 3.0      | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 872



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: SEP HOURS(LST): 0600-0630

| CEILING<br>IN<br>FEET | GT<br>160 | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |         |         |         |         |       |
|-----------------------|-----------|----------|----------|----------|----------|----------|----------------------------------|----------|----------|----------|----------|----------|---------|---------|---------|---------|-------|
|                       |           |          |          |          |          |          | GE<br>32                         | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |       |
| NO CEIL               | 3.2       | 39.3     | 42.8     | 43.7     | 43.7     | 43.7     | 43.7                             | 43.7     | 43.7     | 43.7     | 43.7     | 43.7     | 43.7    | 43.7    | 43.7    | 43.7    | 43.7  |
| GE 20000              | 3.2       | 40.6     | 44.3     | 45.3     | 45.3     | 45.3     | 45.3                             | 45.3     | 45.3     | 45.3     | 45.3     | 45.3     | 45.3    | 45.3    | 45.3    | 45.3    | 45.3  |
| GE 18000              | 3.2       | 40.8     | 44.5     | 45.7     | 45.7     | 45.7     | 45.7                             | 45.7     | 45.7     | 45.7     | 45.7     | 45.7     | 45.7    | 45.7    | 45.7    | 45.7    | 45.7  |
| GE 16000              | 3.2       | 40.8     | 44.5     | 45.7     | 45.7     | 45.7     | 45.7                             | 45.7     | 45.7     | 45.7     | 45.7     | 45.7     | 45.7    | 45.7    | 45.7    | 45.7    | 45.7  |
| GE 14000              | 3.2       | 40.8     | 44.5     | 45.7     | 45.7     | 45.7     | 45.7                             | 45.7     | 45.7     | 45.7     | 45.7     | 45.7     | 45.7    | 45.7    | 45.7    | 45.7    | 45.7  |
| GE 12000              | 3.7       | 42.4     | 46.1     | 47.3     | 47.3     | 47.3     | 47.3                             | 47.3     | 47.3     | 47.3     | 47.3     | 47.3     | 47.3    | 47.3    | 47.3    | 47.3    | 47.3  |
| GE 10000              | 3.7       | 43.6     | 47.3     | 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    | 48.4  |
| GE 9000               | 3.7       | 45.0     | 48.7     | 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  |
| GE 8000               | 3.7       | 45.2     | 48.9     | 50.1     | 50.1     | 50.1     | 50.1                             | 50.1     | 50.1     | 50.1     | 50.1     | 50.1     | 50.1    | 50.1    | 50.1    | 50.1    | 50.1  |
| GE 7000               | 3.7       | 45.2     | 48.9     | 50.1     | 50.1     | 50.1     | 50.1                             | 50.1     | 50.1     | 50.1     | 50.1     | 50.1     | 50.1    | 50.1    | 50.1    | 50.1    | 50.1  |
| GE 6000               | 3.7       | 45.2     | 48.9     | 50.1     | 50.1     | 50.1     | 50.1                             | 50.1     | 50.1     | 50.1     | 50.1     | 50.1     | 50.1    | 50.1    | 50.1    | 50.1    | 50.1  |
| GE 5000               | 3.7       | 93.0     | 96.7     | 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  |
| GE 4500               | 3.7       | 93.0     | 96.7     | 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  |
| GE 4000               | 3.9       | 94.3     | 98.0     | 99.2     | 99.2     | 99.2     | 99.2                             | 99.2     | 99.2     | 99.2     | 99.2     | 99.2     | 99.2    | 99.2    | 99.2    | 99.2    | 99.2  |
| GE 3500               | 3.9       | 94.7     | 98.4     | 99.5     | 99.5     | 99.5     | 99.5                             | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5    | 99.5    | 99.5    | 99.5    | 99.5  |
| GE 3000               | 3.9       | 95.0     | 98.7     | 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    | 99.9  |
| GE 2500               | 3.9       | 95.0     | 98.7     | 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    | 99.9  |
| GE 2000               | 3.9       | 95.2     | 98.8     | 100.0    | 100.0    | 100.0    | 100.0                            | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 1800               | 3.9       | 95.2     | 98.8     | 100.0    | 100.0    | 100.0    | 100.0                            | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 1500               | 3.9       | 95.2     | 98.8     | 100.0    | 100.0    | 100.0    | 100.0                            | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 1200               | 3.9       | 95.2     | 98.8     | 100.0    | 100.0    | 100.0    | 100.0                            | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 1000               | 3.9       | 95.2     | 98.8     | 100.0    | 100.0    | 100.0    | 100.0                            | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 900                | 3.9       | 95.2     | 98.8     | 100.0    | 100.0    | 100.0    | 100.0                            | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 800                | 3.9       | 95.2     | 98.8     | 100.0    | 100.0    | 100.0    | 100.0                            | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 700                | 3.9       | 95.2     | 98.8     | 100.0    | 100.0    | 100.0    | 100.0                            | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 600                | 3.9       | 95.2     | 98.8     | 100.0    | 100.0    | 100.0    | 100.0                            | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 500                | 3.9       | 95.2     | 98.8     | 100.0    | 100.0    | 100.0    | 100.0                            | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 400                | 3.9       | 95.2     | 98.8     | 100.0    | 100.0    | 100.0    | 100.0                            | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 300                | 3.9       | 95.2     | 98.8     | 100.0    | 100.0    | 100.0    | 100.0                            | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 200                | 3.9       | 95.2     | 98.8     | 100.0    | 100.0    | 100.0    | 100.0                            | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 100                | 3.9       | 95.2     | 98.8     | 100.0    | 100.0    | 100.0    | 100.0                            | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 867

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GT<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 4.6                              | 45.6     | 48.8     | 49.4     | 49.4     | 49.5     | 49.5     | 49.5     | 49.5     | 49.5     | 49.5     | 49.5     | 49.5    | 49.5    | 49.5    | 49.5    |
| GE 20000              | 4.6                              | 47.7     | 51.0     | 51.6     | 51.8     | 52.0     | 52.0     | 52.0     | 52.0     | 52.0     | 52.0     | 52.0     | 52.0    | 52.0    | 52.0    | 52.0    |
| GE 18000              | 4.6                              | 47.8     | 51.1     | 51.8     | 51.9     | 52.1     | 52.1     | 52.1     | 52.1     | 52.1     | 52.1     | 52.1     | 52.1    | 52.1    | 52.1    | 52.1    |
| GE 16000              | 4.6                              | 47.8     | 51.1     | 51.8     | 51.9     | 52.1     | 52.1     | 52.1     | 52.1     | 52.1     | 52.1     | 52.1     | 52.1    | 52.1    | 52.1    | 52.1    |
| GE 14000              | 4.6                              | 47.8     | 51.1     | 51.8     | 51.9     | 52.1     | 52.1     | 52.1     | 52.1     | 52.1     | 52.1     | 52.1     | 52.1    | 52.1    | 52.1    | 52.1    |
| GE 12000              | 5.0                              | 49.7     | 53.0     | 53.7     | 53.8     | 54.0     | 54.0     | 54.0     | 54.0     | 54.0     | 54.0     | 54.0     | 54.0    | 54.0    | 54.0    | 54.0    |
| GE 10000              | 5.0                              | 51.0     | 54.2     | 54.9     | 55.0     | 55.3     | 55.3     | 55.3     | 55.3     | 55.3     | 55.3     | 55.3     | 55.3    | 55.3    | 55.3    | 55.3    |
| GE 9000               | 5.0                              | 51.9     | 55.2     | 55.8     | 55.9     | 56.2     | 56.2     | 56.2     | 56.2     | 56.2     | 56.2     | 56.2     | 56.2    | 56.2    | 56.2    | 56.2    |
| GE 8000               | 5.0                              | 52.4     | 55.7     | 56.4     | 56.5     | 56.7     | 56.7     | 56.7     | 56.7     | 56.7     | 56.7     | 56.7     | 56.7    | 56.7    | 56.7    | 56.7    |
| GE 7000               | 5.0                              | 52.4     | 55.7     | 56.4     | 56.5     | 56.7     | 56.7     | 56.7     | 56.7     | 56.7     | 56.7     | 56.7     | 56.7    | 56.7    | 56.7    | 56.7    |
| GE 6000               | 5.0                              | 52.4     | 55.7     | 56.4     | 56.5     | 56.7     | 56.7     | 56.7     | 56.7     | 56.7     | 56.7     | 56.7     | 56.7    | 56.7    | 56.7    | 56.7    |
| GE 5000               | 5.0                              | 94.3     | 97.6     | 98.3     | 98.4     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6    | 98.6    | 98.6    | 98.6    |
| GE 4500               | 5.0                              | 94.6     | 97.8     | 98.5     | 98.6     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9    | 98.9    | 98.9    | 98.9    |
| GE 4000               | 5.1                              | 95.2     | 98.5     | 99.2     | 99.3     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5    | 99.5    | 99.5    | 99.5    |
| GE 3500               | 5.1                              | 95.4     | 98.6     | 99.3     | 99.4     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.7    | 99.7    |
| GE 3000               | 5.2                              | 95.5     | 98.8     | 99.4     | 99.5     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 2500               | 5.2                              | 95.6     | 98.9     | 99.7     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 2000               | 5.2                              | 95.6     | 98.9     | 99.7     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 1800               | 5.2                              | 95.6     | 98.9     | 99.7     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 1500               | 5.2                              | 95.6     | 98.9     | 99.7     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 1200               | 5.2                              | 95.6     | 98.9     | 99.7     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 1000               | 5.2                              | 95.6     | 98.9     | 99.7     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 900                | 5.2                              | 95.6     | 98.9     | 99.7     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 800                | 5.2                              | 95.6     | 98.9     | 99.7     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 700                | 5.2                              | 95.6     | 98.9     | 99.7     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 600                | 5.2                              | 95.6     | 98.9     | 99.7     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 500                | 5.2                              | 95.6     | 98.9     | 99.7     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 400                | 5.2                              | 95.6     | 98.9     | 99.7     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 300                | 5.2                              | 95.6     | 98.9     | 99.7     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 200                | 5.2                              | 95.6     | 98.9     | 99.7     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 100                | 5.2                              | 95.6     | 98.9     | 99.7     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 0                  | 5.2                              | 95.6     | 98.9     | 99.7     | 99.8     | 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: 883

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GE<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 6.2                              | 62.0     | 62.7     | 62.7     | 62.7     | 62.7     | 62.7     | 62.7     | 62.7     | 62.7     | 62.7     | 62.7     | 62.7    | 62.7    | 62.7    | 62.7    |
| GE 20000              | 6.4                              | 65.8     | 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 18000              | 6.4                              | 66.1     | 66.8     | 66.8     | 66.8     | 66.8     | 66.8     | 66.8     | 66.8     | 66.8     | 66.8     | 66.8     | 66.8    | 66.8    | 66.8    | 66.8    |
| GE 16000              | 6.4                              | 66.2     | 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 14000              | 6.4                              | 66.2     | 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 12000              | 6.8                              | 68.1     | 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 10000              | 6.8                              | 69.4     | 70.0     | 70.0     | 70.0     | 70.0     | 70.0     | 70.0     | 70.0     | 70.0     | 70.0     | 70.0     | 70.0    | 70.0    | 70.0    | 70.0    |
| GE 9000               | 6.8                              | 70.2     | 70.8     | 70.8     | 70.8     | 70.8     | 70.8     | 70.8     | 70.8     | 70.8     | 70.8     | 70.8     | 70.8    | 70.8    | 70.8    | 70.8    |
| GE 8000               | 6.8                              | 70.3     | 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    |
| GE 7000               | 6.8                              | 70.3     | 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    |
| GE 6000               | 6.8                              | 70.3     | 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    |
| GE 5000               | 6.9                              | 96.1     | 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    | 96.7    |
| GE 4500               | 6.9                              | 96.2     | 96.8     | 96.8     | 96.8     | 96.8     | 96.8     | 96.8     | 96.8     | 96.8     | 96.8     | 96.8     | 96.8    | 96.8    | 96.8    | 96.8    |
| GE 4000               | 7.2                              | 98.1     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0    | 99.0    | 99.0    | 99.0    |
| GE 3500               | 7.2                              | 98.4     | 99.2     | 99.2     | 99.2     | 99.2     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.3    |
| GE 3000               | 7.3                              | 98.8     | 99.5     | 99.5     | 99.5     | 99.5     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.7    | 99.7    |
| GE 2500               | 7.3                              | 99.0     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 2200               | 7.3                              | 99.0     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 1800               | 7.3                              | 99.0     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 1500               | 7.3                              | 99.0     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 1200               | 7.3                              | 99.0     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 1000               | 7.3                              | 99.0     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 900                | 7.3                              | 99.0     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 800                | 7.3                              | 99.0     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 700                | 7.3                              | 99.0     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 600                | 7.3                              | 99.0     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 500                | 7.3                              | 99.0     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 400                | 7.3                              | 99.0     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 300                | 7.3                              | 99.0     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 200                | 7.3                              | 99.0     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 100                | 7.3                              | 99.0     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 0                  | 7.3                              | 99.0     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 888

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GE<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 6.9                              | 61.1     | 61.7     | 61.7     | 61.7     | 61.7     | 61.7     | 61.7     | 61.7     | 61.7     | 61.7     | 61.7     | 61.7    | 61.7    | 61.7    | 61.7    |
| GE 2000               | 7.2                              | 64.6     | 65.3     | 65.3     | 65.3     | 65.3     | 65.3     | 65.3     | 65.3     | 65.3     | 65.3     | 65.3     | 65.3    | 65.3    | 65.3    | 65.3    |
| GE 1800               | 7.2                              | 64.8     | 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    | 65.5    |
| GE 1600               | 7.2                              | 65.0     | 65.6     | 65.6     | 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 1400               | 7.2                              | 65.0     | 65.6     | 65.6     | 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 1200               | 8.1                              | 67.2     | 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    | 67.9    |
| GE 1000               | 8.1                              | 68.8     | 69.5     | 69.6     | 69.6     | 69.6     | 69.6     | 69.6     | 69.6     | 69.6     | 69.6     | 69.6     | 69.6    | 69.6    | 69.6    | 69.6    |
| GE 900                | 8.1                              | 70.1     | 70.8     | 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    |
| GE 800                | 8.1                              | 70.4     | 71.1     | 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 700                | 8.1                              | 70.4     | 71.1     | 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 600                | 8.1                              | 70.4     | 71.1     | 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 500                | 8.3                              | 96.8     | 97.5     | 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                | 8.3                              | 96.8     | 97.5     | 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 400                | 8.5                              | 98.9     | 99.5     | 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 350                | 8.5                              | 99.0     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 300                | 8.5                              | 99.2     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 250                | 8.5                              | 99.2     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 200                | 8.5                              | 99.2     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 180                | 8.5                              | 99.2     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 150                | 8.5                              | 99.2     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 120                | 8.5                              | 99.2     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 100                | 8.5                              | 99.2     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 90                 | 8.5                              | 99.2     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 80                 | 8.5                              | 99.2     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 70                 | 8.5                              | 99.2     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 60                 | 8.5                              | 99.2     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 50                 | 8.5                              | 99.2     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 40                 | 8.5                              | 99.2     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 30                 | 8.5                              | 99.2     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 20                 | 8.5                              | 99.2     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 10                 | 8.5                              | 99.2     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 879

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | GT<br>160 | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |         |         |         |         |       |
|-----------------------|-----------|----------|----------|----------|----------|----------|----------------------------------|----------|----------|----------|----------|----------|---------|---------|---------|---------|-------|
|                       |           |          |          |          |          |          | GE<br>32                         | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |       |
| NO CEIL               | 5.2       | 42.0     | 42.8     | 42.8     | 42.8     | 42.8     | 42.8                             | 42.8     | 42.8     | 43.0     | 43.0     | 43.0     | 43.0    | 43.0    | 43.0    | 43.0    | 43.0  |
| GE 20000              | 5.5       | 44.4     | 45.2     | 45.3     | 45.3     | 45.3     | 45.3                             | 45.3     | 45.3     | 45.5     | 45.5     | 45.5     | 45.5    | 45.5    | 45.5    | 45.5    | 45.5  |
| GE 18000              | 5.5       | 44.4     | 45.2     | 45.3     | 45.3     | 45.3     | 45.3                             | 45.3     | 45.3     | 45.5     | 45.5     | 45.5     | 45.5    | 45.5    | 45.5    | 45.5    | 45.5  |
| GE 16000              | 5.5       | 44.7     | 45.5     | 45.6     | 45.6     | 45.6     | 45.6                             | 45.6     | 45.6     | 45.7     | 45.7     | 45.7     | 45.7    | 45.7    | 45.7    | 45.7    | 45.7  |
| GE 14000              | 5.5       | 44.7     | 45.5     | 45.6     | 45.6     | 45.6     | 45.6                             | 45.6     | 45.6     | 45.7     | 45.7     | 45.7     | 45.7    | 45.7    | 45.7    | 45.7    | 45.7  |
| GE 12000              | 5.8       | 47.0     | 47.8     | 48.0     | 48.0     | 48.0     | 48.0                             | 48.0     | 48.0     | 48.1     | 48.1     | 48.1     | 48.1    | 48.1    | 48.1    | 48.1    | 48.1  |
| GE 10000              | 5.8       | 48.6     | 49.4     | 49.5     | 49.5     | 49.5     | 49.5                             | 49.5     | 49.5     | 49.7     | 49.7     | 49.7     | 49.7    | 49.7    | 49.7    | 49.7    | 49.7  |
| GE 9000               | 5.8       | 49.2     | 50.0     | 50.1     | 50.1     | 50.1     | 50.1                             | 50.1     | 50.1     | 50.2     | 50.2     | 50.2     | 50.2    | 50.2    | 50.2    | 50.2    | 50.2  |
| GE 8000               | 5.8       | 49.8     | 50.6     | 50.7     | 50.7     | 50.7     | 50.7                             | 50.7     | 50.7     | 50.8     | 50.8     | 50.8     | 50.8    | 50.8    | 50.8    | 50.8    | 50.8  |
| GE 7000               | 5.8       | 49.8     | 50.6     | 50.7     | 50.7     | 50.7     | 50.7                             | 50.7     | 50.7     | 50.8     | 50.8     | 50.8     | 50.8    | 50.8    | 50.8    | 50.8    | 50.8  |
| GE 6000               | 5.8       | 49.8     | 50.6     | 50.7     | 50.7     | 50.7     | 50.7                             | 50.7     | 50.7     | 50.8     | 50.8     | 50.8     | 50.8    | 50.8    | 50.8    | 50.8    | 50.8  |
| GE 5000               | 5.8       | 95.8     | 96.6     | 96.7     | 96.7     | 96.7     | 96.7                             | 96.7     | 96.7     | 96.8     | 96.8     | 96.8     | 96.8    | 96.8    | 96.8    | 96.8    | 96.8  |
| GE 4500               | 5.8       | 95.8     | 96.6     | 96.7     | 96.7     | 96.7     | 96.7                             | 96.7     | 96.7     | 96.8     | 96.8     | 96.8     | 96.8    | 96.8    | 96.8    | 96.8    | 96.8  |
| GE 4000               | 6.1       | 97.6     | 98.4     | 98.5     | 98.5     | 98.5     | 98.5                             | 98.5     | 98.5     | 98.6     | 98.6     | 98.6     | 98.6    | 98.6    | 98.6    | 98.6    | 98.6  |
| GE 3500               | 6.1       | 98.0     | 98.8     | 98.9     | 98.9     | 98.9     | 98.9                             | 98.9     | 98.9     | 99.0     | 99.0     | 99.0     | 99.0    | 99.0    | 99.0    | 99.0    | 99.0  |
| GE 3000               | 6.1       | 98.2     | 99.3     | 99.4     | 99.4     | 99.4     | 99.4                             | 99.4     | 99.4     | 99.5     | 99.5     | 99.5     | 99.5    | 99.5    | 99.5    | 99.5    | 99.5  |
| GE 2500               | 6.1       | 98.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8                             | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    | 99.9  |
| GE 2000               | 6.1       | 98.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8                             | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    | 99.9  |
| GE 1800               | 6.1       | 98.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8                             | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    | 99.9  |
| GE 1500               | 6.1       | 98.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8                             | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    | 99.9  |
| GE 1200               | 6.1       | 98.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8                             | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    | 99.9  |
| GE 1000               | 6.1       | 98.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8                             | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    | 99.9  |
| GE 900                | 6.1       | 98.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8                             | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    | 99.9  |
| GE 800                | 6.1       | 98.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8                             | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    | 99.9  |
| GE 700                | 6.1       | 98.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8                             | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    | 99.9  |
| GE 600                | 6.1       | 98.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8                             | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    | 99.9  |
| GE 500                | 6.1       | 98.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8                             | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    | 99.9  |
| GE 400                | 6.1       | 98.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8                             | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    | 99.9  |
| GE 300                | 6.1       | 98.6     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9                             | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 200                | 6.1       | 98.6     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9                             | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 100                | 6.1       | 98.6     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9                             | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 0                  | 6.1       | 98.6     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9                             | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 880

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87

MONTH: SEP HOURS(LST): 2100-2300

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GE<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 3.5                              | 37.0     | 37.7     | 37.7     | 37.7     | 37.7     | 37.7     | 37.7     | 37.8     | 37.8     | 37.8     | 37.8     | 37.8    | 37.8    | 37.8    | 37.8    |
| GE 20000              | 3.5                              | 37.8     | 38.5     | 38.5     | 38.5     | 38.5     | 38.5     | 38.5     | 38.6     | 38.6     | 38.6     | 38.6     | 38.6    | 38.6    | 38.6    | 38.6    |
| GE 18000              | 3.5                              | 38.0     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7     | 38.8     | 38.8     | 38.8     | 38.8     | 38.8    | 38.8    | 38.8    | 38.8    |
| GE 16000              | 3.5                              | 38.0     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7     | 38.8     | 38.8     | 38.8     | 38.8     | 38.8    | 38.8    | 38.8    | 38.8    |
| GE 14000              | 3.5                              | 38.0     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7     | 38.8     | 38.8     | 38.8     | 38.8     | 38.8    | 38.8    | 38.8    | 38.8    |
| GE 12000              | 3.5                              | 39.1     | 39.6     | 39.8     | 39.8     | 39.8     | 39.8     | 39.8     | 39.9     | 39.9     | 39.9     | 39.9     | 39.9    | 39.9    | 39.9    | 39.9    |
| GE 10000              | 3.5                              | 40.6     | 41.3     | 41.3     | 41.3     | 41.3     | 41.3     | 41.3     | 41.4     | 41.4     | 41.4     | 41.4     | 41.4    | 41.4    | 41.4    | 41.4    |
| GE 9000               | 3.5                              | 41.5     | 42.2     | 42.2     | 42.2     | 42.2     | 42.2     | 42.2     | 42.3     | 42.3     | 42.3     | 42.3     | 42.3    | 42.3    | 42.3    | 42.3    |
| GE 8000               | 3.5                              | 41.9     | 42.5     | 42.5     | 42.5     | 42.5     | 42.5     | 42.5     | 42.7     | 42.7     | 42.7     | 42.7     | 42.7    | 42.7    | 42.7    | 42.7    |
| GE 7000               | 3.5                              | 41.9     | 42.5     | 42.5     | 42.5     | 42.5     | 42.5     | 42.5     | 42.7     | 42.7     | 42.7     | 42.7     | 42.7    | 42.7    | 42.7    | 42.7    |
| GE 6000               | 3.5                              | 41.9     | 42.5     | 42.5     | 42.5     | 42.5     | 42.5     | 42.5     | 42.7     | 42.7     | 42.7     | 42.7     | 42.7    | 42.7    | 42.7    | 42.7    |
| GE 5000               | 3.5                              | 96.6     | 97.3     | 97.3     | 97.3     | 97.3     | 97.3     | 97.3     | 97.4     | 97.4     | 97.4     | 97.4     | 97.4    | 97.4    | 97.4    | 97.4    |
| GE 4500               | 3.5                              | 96.6     | 97.3     | 97.3     | 97.3     | 97.3     | 97.3     | 97.3     | 97.4     | 97.4     | 97.4     | 97.4     | 97.4    | 97.4    | 97.4    | 97.4    |
| GE 4000               | 3.8                              | 98.1     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9    | 98.9    | 98.9    | 98.9    |
| GE 3500               | 3.8                              | 98.4     | 99.2     | 99.2     | 99.2     | 99.2     | 99.2     | 99.2     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.3    |
| GE 3000               | 3.8                              | 98.5     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5    | 99.5    | 99.5    | 99.5    |
| GE 2500               | 3.8                              | 98.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 2000               | 3.8                              | 98.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 1800               | 3.8                              | 98.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 1500               | 3.8                              | 98.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 1200               | 3.8                              | 98.9     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 1000               | 3.8                              | 98.9     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 900                | 3.8                              | 98.9     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 800                | 3.8                              | 98.9     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 700                | 3.8                              | 98.9     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 600                | 3.8                              | 98.9     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 500                | 3.8                              | 98.9     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 400                | 3.8                              | 98.9     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 300                | 3.8                              | 98.9     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 200                | 3.8                              | 98.9     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 100                | 3.8                              | 98.9     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 0                  | 3.8                              | 98.9     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 879

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GT<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 4.4                              | 44.9     | 46.1     | 46.3     | 46.3     | 46.3     | 46.3     | 46.3     | 46.4     | 46.4     | 46.4     | 46.4     | 46.4    | 46.4    | 46.4    | 46.4    |
| GE 2000               | 4.5                              | 46.7     | 48.1     | 48.3     | 48.3     | 48.4     | 48.4     | 48.4     | 48.4     | 48.4     | 48.4     | 48.4     | 48.4    | 48.4    | 48.4    | 48.4    |
| GE 1800               | 4.5                              | 46.9     | 48.2     | 48.5     | 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 1600               | 4.5                              | 47.0     | 48.3     | 48.6     | 48.6     | 48.6     | 48.6     | 48.6     | 48.6     | 48.6     | 48.6     | 48.6     | 48.6    | 48.6    | 48.6    | 48.7    |
| GE 1400               | 4.5                              | 47.0     | 48.3     | 48.6     | 48.6     | 48.6     | 48.6     | 48.6     | 48.6     | 48.6     | 48.6     | 48.6     | 48.6    | 48.6    | 48.6    | 48.7    |
| GE 1200               | 4.8                              | 48.8     | 50.1     | 50.4     | 50.4     | 50.4     | 50.4     | 50.4     | 50.5     | 50.5     | 50.5     | 50.5     | 50.5    | 50.5    | 50.5    | 50.5    |
| GE 1000               | 4.8                              | 50.1     | 51.4     | 51.7     | 51.7     | 51.7     | 51.7     | 51.7     | 51.8     | 51.8     | 51.8     | 51.8     | 51.8    | 51.8    | 51.8    | 51.8    |
| GE 900                | 4.8                              | 51.0     | 52.3     | 52.6     | 52.6     | 52.7     | 52.7     | 52.7     | 52.7     | 52.7     | 52.7     | 52.7     | 52.7    | 52.7    | 52.7    | 52.7    |
| GE 800                | 4.8                              | 51.4     | 52.7     | 53.0     | 53.0     | 53.0     | 53.0     | 53.0     | 53.1     | 53.1     | 53.1     | 53.1     | 53.1    | 53.1    | 53.1    | 53.1    |
| GE 700                | 4.8                              | 51.4     | 52.7     | 53.0     | 53.0     | 53.0     | 53.0     | 53.0     | 53.1     | 53.1     | 53.1     | 53.1     | 53.1    | 53.1    | 53.1    | 53.1    |
| GE 600                | 4.8                              | 51.4     | 52.7     | 53.0     | 53.0     | 53.0     | 53.0     | 53.0     | 53.1     | 53.1     | 53.1     | 53.1     | 53.1    | 53.1    | 53.1    | 53.1    |
| GE 500                | 4.9                              | 95.8     | 97.1     | 97.4     | 97.4     | 97.5     | 97.5     | 97.5     | 97.5     | 97.5     | 97.5     | 97.5     | 97.5    | 97.5    | 97.5    | 97.5    |
| GE 450                | 4.9                              | 95.8     | 97.2     | 97.5     | 97.5     | 97.5     | 97.5     | 97.5     | 97.5     | 97.5     | 97.5     | 97.5     | 97.5    | 97.5    | 97.5    | 97.6    |
| GE 400                | 5.1                              | 97.3     | 98.7     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1    | 99.1    | 99.1    | 99.1    |
| GE 350                | 5.1                              | 97.6     | 98.9     | 99.2     | 99.2     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.3    |
| GE 300                | 5.2                              | 97.9     | 99.3     | 99.6     | 99.6     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.7    | 99.7    |
| GE 250                | 5.2                              | 98.0     | 99.5     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 200                | 5.2                              | 98.1     | 99.5     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 180                | 5.2                              | 98.1     | 99.5     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 150                | 5.2                              | 98.1     | 99.5     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 120                | 5.2                              | 98.1     | 99.5     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 100                | 5.2                              | 98.1     | 99.5     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 900                | 5.2                              | 98.1     | 99.5     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 800                | 5.2                              | 98.1     | 99.5     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 700                | 5.2                              | 98.1     | 99.5     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 600                | 5.2                              | 98.1     | 99.5     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 500                | 5.2                              | 98.1     | 99.5     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 400                | 5.2                              | 98.1     | 99.5     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 300                | 5.2                              | 98.1     | 99.5     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 200                | 5.2                              | 98.1     | 99.5     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 100                | 5.2                              | 98.1     | 99.5     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 0                  | 5.2                              | 98.1     | 99.5     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 7021

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87

MONTH: OCT HOURS (LST): 0000-0200

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GT<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 3.7                              | 36.9     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2     | 37.2    | 37.2    | 37.2    | 37.2    |
| GE 20000              | 3.7                              | 39.6     | 39.9     | 39.9     | 39.9     | 39.9     | 39.9     | 39.9     | 39.9     | 39.9     | 39.9     | 39.9     | 39.9    | 39.9    | 39.9    | 39.9    |
| GE 18000              | 3.7                              | 39.8     | 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 16000              | 3.7                              | 39.8     | 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 14000              | 3.7                              | 39.8     | 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 12000              | 4.1                              | 43.9     | 44.2     | 44.3     | 44.3     | 44.3     | 44.3     | 44.3     | 44.3     | 44.3     | 44.3     | 44.3     | 44.3    | 44.3    | 44.3    | 44.3    |
| GE 10000              | 4.1                              | 48.2     | 48.5     | 48.6     | 48.6     | 48.6     | 48.6     | 48.6     | 48.6     | 48.6     | 48.6     | 48.6     | 48.6    | 48.6    | 48.6    | 48.6    |
| GE 9000               | 4.1                              | 51.0     | 51.4     | 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 8000               | 4.1                              | 51.7     | 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    | 52.1    |
| GE 7000               | 4.1                              | 51.7     | 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    | 52.1    |
| GE 6000               | 4.1                              | 51.7     | 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    | 52.1    |
| GE 5000               | 4.1                              | 88.7     | 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    |
| GE 4500               | 4.1                              | 88.8     | 89.1     | 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 4000               | 4.2                              | 91.9     | 92.2     | 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 3500               | 4.2                              | 93.9     | 94.3     | 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    |
| GE 3000               | 4.2                              | 96.3     | 96.7     | 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 2500               | 4.4                              | 97.8     | 98.6     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0    | 99.0    | 99.0    | 99.0    |
| GE 2000               | 4.4                              | 98.0     | 98.9     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.3    |
| GE 1800               | 4.4                              | 98.0     | 98.9     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.3    |
| GE 1500               | 4.4                              | 98.2     | 99.1     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.6    |
| GE 1200               | 4.4                              | 98.6     | 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    | 99.9    |
| GE 1000               | 4.4                              | 98.6     | 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    | 99.9    |
| GE 900                | 4.4                              | 98.6     | 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    | 99.9    |
| GE 800                | 4.4                              | 98.6     | 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    | 99.9    |
| GE 700                | 4.4                              | 98.6     | 99.4     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 600                | 4.4                              | 98.6     | 99.4     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 500                | 4.4                              | 98.6     | 99.4     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 400                | 4.4                              | 98.6     | 99.4     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 300                | 4.4                              | 98.6     | 99.4     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 200                | 4.4                              | 98.6     | 99.4     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 100                | 4.4                              | 98.6     | 99.4     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 0                  | 4.4                              | 98.6     | 99.4     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 909



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: OCT HOURS(FLST): 0300-0500

| CEILING<br>IN<br>FEET | GT<br>160 | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |         |         |         |         |       |
|-----------------------|-----------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|-------|
|                       |           | GE<br>90                         | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |       |
| NO CEIL               | 2.9       | 37.0                             | 37.2     | 37.4     | 37.4     | 37.4     | 37.4     | 37.4     | 37.4     | 37.4     | 37.4     | 37.4     | 37.4    | 37.4    | 37.4    | 37.4    | 37.4  |
| GE 20000              | 2.9       | 39.3                             | 39.5     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7    | 39.7    | 39.7    | 39.7    | 39.7  |
| GE 18000              | 2.9       | 39.3                             | 39.5     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7    | 39.7    | 39.7    | 39.7    | 39.7  |
| GE 16000              | 2.9       | 39.3                             | 39.5     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7    | 39.7    | 39.7    | 39.7    | 39.7  |
| GE 14000              | 2.9       | 39.3                             | 39.5     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7    | 39.7    | 39.7    | 39.7    | 39.7  |
| GE 12000              | 3.2       | 42.8                             | 43.0     | 43.2     | 43.2     | 43.2     | 43.2     | 43.2     | 43.2     | 43.2     | 43.2     | 43.2     | 43.2    | 43.2    | 43.2    | 43.2    | 43.2  |
| GE 10000              | 3.2       | 46.4                             | 46.6     | 46.8     | 46.8     | 46.8     | 46.8     | 46.8     | 46.8     | 46.8     | 46.8     | 46.8     | 46.8    | 46.8    | 46.8    | 46.8    | 46.8  |
| GE 9000               | 3.2       | 48.9                             | 49.1     | 49.5     | 49.5     | 49.5     | 49.5     | 49.5     | 49.5     | 49.5     | 49.5     | 49.5     | 49.5    | 49.5    | 49.5    | 49.5    | 49.5  |
| GE 8000               | 3.2       | 49.5                             | 49.7     | 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  |
| GE 7000               | 3.2       | 49.5                             | 49.7     | 50.1     | 50.1     | 50.1     | 50.1     | 50.1     | 50.1     | 50.1     | 50.1     | 50.1     | 50.1    | 50.1    | 50.1    | 50.1    | 50.1  |
| GE 6000               | 3.2       | 49.5                             | 49.7     | 50.1     | 50.1     | 50.1     | 50.1     | 50.1     | 50.1     | 50.1     | 50.1     | 50.1     | 50.1    | 50.1    | 50.1    | 50.1    | 50.1  |
| GE 5000               | 3.3       | 87.0                             | 87.2     | 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    | 87.6  |
| GE 4500               | 3.3       | 87.1                             | 87.3     | 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 4000               | 3.4       | 89.7                             | 89.9     | 90.4     | 90.4     | 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 3500               | 3.4       | 91.3                             | 91.6     | 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  |
| GE 3000               | 3.4       | 95.0                             | 95.4     | 95.8     | 95.8     | 95.8     | 95.8     | 95.8     | 95.8     | 95.8     | 95.8     | 95.8     | 95.8    | 95.8    | 95.8    | 95.8    | 95.8  |
| GE 2500               | 3.4       | 96.5                             | 97.3     | 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  |
| GE 2000               | 3.4       | 96.8                             | 97.7     | 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  |
| GE 1800               | 3.4       | 96.8                             | 97.7     | 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  |
| GE 1500               | 3.4       | 96.9                             | 97.9     | 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  |
| GE 1200               | 3.4       | 97.6                             | 98.7     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.3    | 99.3  |
| GE 1000               | 3.4       | 97.6                             | 98.7     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.3    | 99.3  |
| GE 900                | 3.4       | 97.6                             | 98.7     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.3    | 99.3  |
| GE 800                | 3.4       | 97.6                             | 98.7     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.3    | 99.3  |
| GE 700                | 3.4       | 97.6                             | 98.9     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    | 99.8  |
| GE 600                | 3.4       | 97.6                             | 98.9     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    | 99.8  |
| GE 500                | 3.4       | 97.6                             | 98.9     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    | 99.8  |
| GE 400                | 3.4       | 97.7                             | 99.0     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    | 100.0 |
| GE 300                | 3.4       | 97.7                             | 99.0     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    | 100.0 |
| GE 200                | 3.4       | 97.7                             | 99.0     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    | 100.0 |
| GE 100                | 3.4       | 97.7                             | 99.0     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    | 100.0 |
| GE C1                 | 3.4       | 97.7                             | 99.0     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 912

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: MELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GT<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 3.9                              | 35.1     | 36.5     | 37.5     | 37.6     | 37.7     | 37.7     | 37.7     | 37.7     | 37.7     | 37.7     | 37.7     | 37.7    | 37.7    | 37.7    | 37.7    |
| GE 2000               | 4.2                              | 39.6     | 41.0     | 42.1     | 42.2     | 42.3     | 42.3     | 42.3     | 42.3     | 42.3     | 42.3     | 42.3     | 42.3    | 42.3    | 42.3    | 42.3    |
| GE 1800               | 4.2                              | 39.9     | 41.3     | 42.6     | 42.7     | 42.8     | 42.8     | 42.8     | 42.8     | 42.8     | 42.8     | 42.8     | 42.8    | 42.8    | 42.8    | 42.8    |
| GE 1600               | 4.2                              | 39.9     | 41.3     | 42.6     | 42.7     | 42.8     | 42.8     | 42.8     | 42.8     | 42.8     | 42.8     | 42.8     | 42.8    | 42.8    | 42.8    | 42.8    |
| GE 1400               | 4.2                              | 39.9     | 41.3     | 42.6     | 42.7     | 42.8     | 42.8     | 42.8     | 42.8     | 42.8     | 42.8     | 42.8     | 42.8    | 42.8    | 42.8    | 42.8    |
| GE 1200               | 4.5                              | 43.5     | 44.9     | 46.3     | 46.4     | 46.6     | 46.6     | 46.6     | 46.6     | 46.6     | 46.6     | 46.6     | 46.6    | 46.6    | 46.6    | 46.6    |
| GE 1000               | 4.5                              | 48.4     | 49.8     | 51.3     | 51.4     | 51.5     | 51.5     | 51.5     | 51.5     | 51.5     | 51.5     | 51.5     | 51.5    | 51.5    | 51.5    | 51.5    |
| GE 900                | 4.6                              | 51.0     | 52.6     | 54.0     | 54.1     | 54.2     | 54.2     | 54.2     | 54.2     | 54.2     | 54.2     | 54.2     | 54.2    | 54.2    | 54.2    | 54.2    |
| GE 800                | 4.7                              | 52.5     | 54.3     | 55.7     | 55.8     | 56.0     | 56.0     | 56.0     | 56.0     | 56.0     | 56.0     | 56.0     | 56.0    | 56.0    | 56.0    | 56.0    |
| GE 700                | 4.7                              | 52.5     | 54.3     | 55.7     | 55.8     | 56.0     | 56.0     | 56.0     | 56.0     | 56.0     | 56.0     | 56.0     | 56.0    | 56.0    | 56.0    | 56.0    |
| GE 600                | 4.7                              | 52.5     | 54.3     | 55.7     | 55.8     | 56.0     | 56.0     | 56.0     | 56.0     | 56.0     | 56.0     | 56.0     | 56.0    | 56.0    | 56.0    | 56.0    |
| GE 500                | 4.7                              | 82.7     | 84.6     | 86.0     | 86.1     | 86.2     | 86.2     | 86.2     | 86.2     | 86.2     | 86.2     | 86.2     | 86.2    | 86.2    | 86.2    | 86.2    |
| GE 450                | 4.7                              | 83.1     | 84.9     | 86.3     | 86.4     | 86.6     | 86.6     | 86.6     | 86.6     | 86.6     | 86.6     | 86.6     | 86.6    | 86.6    | 86.6    | 86.6    |
| GE 400                | 5.2                              | 86.9     | 88.7     | 90.3     | 90.5     | 90.6     | 90.6     | 90.6     | 90.6     | 90.6     | 90.6     | 90.6     | 90.6    | 90.6    | 90.6    | 90.6    |
| GE 350                | 5.5                              | 89.4     | 91.3     | 92.8     | 93.0     | 93.1     | 93.1     | 93.1     | 93.1     | 93.1     | 93.1     | 93.1     | 93.1    | 93.1    | 93.1    | 93.1    |
| GE 300                | 5.5                              | 92.2     | 94.4     | 96.1     | 96.5     | 96.6     | 96.6     | 96.6     | 96.6     | 96.6     | 96.6     | 96.6     | 96.6    | 96.6    | 96.6    | 96.6    |
| GE 250                | 5.5                              | 93.0     | 95.4     | 97.3     | 97.8     | 97.9     | 97.9     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0    | 98.0    | 98.0    | 98.0    |
| GE 200                | 5.5                              | 93.3     | 95.8     | 97.8     | 98.4     | 98.5     | 98.5     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6    | 98.6    | 98.6    | 98.6    |
| GE 180                | 5.5                              | 93.3     | 95.8     | 97.8     | 98.4     | 98.5     | 98.5     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6    | 98.6    | 98.6    | 98.6    |
| GE 150                | 5.5                              | 93.3     | 95.8     | 97.8     | 98.4     | 98.5     | 98.5     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6    | 98.6    | 98.6    | 98.6    |
| GE 120                | 5.5                              | 94.0     | 96.6     | 98.7     | 99.2     | 99.3     | 99.3     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.6    |
| GE 100                | 5.5                              | 94.0     | 96.6     | 98.7     | 99.2     | 99.3     | 99.3     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.6    |
| GE 90                 | 5.5                              | 94.0     | 96.6     | 98.7     | 99.2     | 99.3     | 99.3     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.6    |
| GE 80                 | 5.5                              | 94.0     | 96.6     | 98.7     | 99.2     | 99.3     | 99.3     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.6    |
| GE 70                 | 5.5                              | 94.0     | 96.6     | 98.8     | 99.3     | 99.5     | 99.5     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.7    | 99.7    |
| GE 60                 | 5.5                              | 94.0     | 96.6     | 98.8     | 99.3     | 99.5     | 99.5     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 50                 | 5.5                              | 94.0     | 96.6     | 98.9     | 99.5     | 99.6     | 99.6     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 40                 | 5.5                              | 94.0     | 96.6     | 98.9     | 99.5     | 99.6     | 99.6     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 30                 | 5.5                              | 94.0     | 96.6     | 98.9     | 99.5     | 99.6     | 99.6     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 20                 | 5.5                              | 94.0     | 96.6     | 98.9     | 99.5     | 99.6     | 99.6     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 10                 | 5.5                              | 94.0     | 96.6     | 98.9     | 99.5     | 99.6     | 99.6     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 0                  | 5.5                              | 94.0     | 96.6     | 98.9     | 99.6     | 99.7     | 99.7     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 915

GLOBAL CLIMATOLOGY BRANCH  
USAF/CYAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: MELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GE<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 5.5                              | 41.4     | 43.3     | 44.8     | 44.9     | 44.9     | 44.9     | 44.9     | 44.9     | 44.9     | 44.9     | 44.9     | 44.9    | 44.9    | 44.9    | 44.9    |
| GE 2000               | 6.2                              | 46.9     | 49.4     | 51.3     | 51.4     | 51.4     | 51.4     | 51.4     | 51.4     | 51.4     | 51.4     | 51.4     | 51.4    | 51.4    | 51.4    | 51.4    |
| GE 1800               | 6.2                              | 47.9     | 50.7     | 52.6     | 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 1600               | 6.2                              | 48.1     | 50.9     | 52.8     | 52.9     | 52.9     | 52.9     | 52.9     | 52.9     | 52.9     | 52.9     | 52.9     | 52.9    | 52.9    | 52.9    | 52.9    |
| GE 1400               | 6.2                              | 48.2     | 51.0     | 52.9     | 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 1200               | 6.7                              | 51.6     | 55.0     | 56.8     | 57.0     | 57.0     | 57.0     | 57.0     | 57.0     | 57.0     | 57.0     | 57.0     | 57.0    | 57.0    | 57.0    | 57.0    |
| GE 1000               | 6.7                              | 54.2     | 58.0     | 59.9     | 60.2     | 60.2     | 60.2     | 60.2     | 60.2     | 60.2     | 60.2     | 60.2     | 60.2    | 60.2    | 60.2    | 60.2    |
| GE 900                | 6.7                              | 56.1     | 60.2     | 62.2     | 62.5     | 62.5     | 62.5     | 62.5     | 62.5     | 62.5     | 62.5     | 62.5     | 62.5    | 62.5    | 62.5    | 62.5    |
| GE 800                | 6.7                              | 56.9     | 61.5     | 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    |
| GE 700                | 6.7                              | 56.9     | 61.5     | 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    |
| GE 600                | 6.7                              | 56.9     | 61.5     | 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    |
| GE 500                | 6.8                              | 78.5     | 83.1     | 85.1     | 85.5     | 85.5     | 85.5     | 85.5     | 85.5     | 85.5     | 85.5     | 85.5     | 85.5    | 85.5    | 85.5    | 85.5    |
| GE 450                | 6.8                              | 78.9     | 83.7     | 85.8     | 86.1     | 86.1     | 86.1     | 86.1     | 86.1     | 86.1     | 86.1     | 86.1     | 86.1    | 86.1    | 86.1    | 86.1    |
| GE 400                | 7.7                              | 84.2     | 89.2     | 91.5     | 91.9     | 91.9     | 91.9     | 91.9     | 91.9     | 91.9     | 91.9     | 91.9     | 91.9    | 91.9    | 91.9    | 91.9    |
| GE 350                | 7.7                              | 86.3     | 91.5     | 94.0     | 94.5     | 94.5     | 94.5     | 94.5     | 94.5     | 94.5     | 94.5     | 94.5     | 94.5    | 94.5    | 94.5    | 94.5    |
| GE 300                | 7.7                              | 88.7     | 94.0     | 96.8     | 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 250                | 7.7                              | 89.6     | 95.0     | 97.8     | 98.5     | 98.5     | 98.5     | 98.5     | 98.5     | 98.5     | 98.5     | 98.5     | 98.5    | 98.5    | 98.5    | 98.5    |
| GE 200                | 7.7                              | 89.9     | 95.3     | 98.3     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9    | 98.9    | 98.9    | 98.9    |
| GE 180                | 7.7                              | 90.1     | 95.4     | 98.4     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0    | 99.0    | 99.0    | 99.0    |
| GE 150                | 7.7                              | 90.4     | 95.7     | 98.7     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.3    |
| GE 120                | 7.8                              | 90.6     | 96.0     | 99.0     | 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 1000               | 7.8                              | 90.6     | 96.0     | 99.0     | 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 900                | 7.8                              | 90.6     | 96.0     | 99.0     | 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 800                | 7.8                              | 90.8     | 96.2     | 99.2     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 700                | 7.8                              | 90.8     | 96.2     | 99.2     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 600                | 7.8                              | 90.9     | 96.3     | 99.3     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 500                | 7.8                              | 90.9     | 96.3     | 99.3     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 400                | 7.8                              | 90.9     | 96.3     | 99.3     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 300                | 7.8                              | 90.9     | 96.3     | 99.3     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 200                | 7.8                              | 90.9     | 96.3     | 99.3     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 100                | 7.8                              | 90.9     | 96.3     | 99.3     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 0                  | 7.8                              | 90.9     | 96.3     | 99.3     | 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: 915

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167165 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GT<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 7.2                              | 48.1     | 48.5     | 48.6     | 48.6     | 48.6     | 48.6     | 48.6     | 48.6     | 48.6     | 48.6     | 48.6     | 48.6    | 48.6    | 48.6    | 48.6    |
| GE 20000              | 7.7                              | 54.0     | 54.7     | 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    |
| GE 18000              | 7.7                              | 55.2     | 55.9     | 56.2     | 56.2     | 56.3     | 56.3     | 56.3     | 56.3     | 56.3     | 56.3     | 56.3     | 56.3    | 56.3    | 56.3    | 56.3    |
| GE 16000              | 7.7                              | 55.2     | 55.9     | 56.2     | 56.2     | 56.3     | 56.3     | 56.3     | 56.3     | 56.3     | 56.3     | 56.3     | 56.3    | 56.3    | 56.3    | 56.3    |
| GE 14000              | 7.7                              | 55.3     | 56.0     | 56.3     | 56.3     | 56.4     | 56.4     | 56.4     | 56.4     | 56.4     | 56.4     | 56.4     | 56.4    | 56.4    | 56.4    | 56.4    |
| GE 12000              | 8.9                              | 59.5     | 60.5     | 60.9     | 60.9     | 61.0     | 61.0     | 61.0     | 61.0     | 61.0     | 61.0     | 61.0     | 61.0    | 61.0    | 61.0    | 61.0    |
| GE 10000              | 9.3                              | 63.2     | 64.5     | 64.8     | 64.8     | 64.9     | 64.9     | 64.9     | 64.9     | 64.9     | 64.9     | 64.9     | 64.9    | 64.9    | 64.9    | 64.9    |
| GE 9000               | 9.3                              | 66.4     | 67.8     | 68.1     | 68.1     | 68.2     | 68.2     | 68.2     | 68.2     | 68.2     | 68.2     | 68.2     | 68.2    | 68.2    | 68.2    | 68.2    |
| GE 8000               | 9.3                              | 66.9     | 68.7     | 69.1     | 69.1     | 69.2     | 69.2     | 69.2     | 69.2     | 69.2     | 69.2     | 69.2     | 69.2    | 69.2    | 69.2    | 69.2    |
| GE 7000               | 9.3                              | 66.9     | 68.7     | 69.1     | 69.1     | 69.2     | 69.2     | 69.2     | 69.2     | 69.2     | 69.2     | 69.2     | 69.2    | 69.2    | 69.2    | 69.2    |
| GE 6000               | 9.3                              | 66.9     | 68.7     | 69.1     | 69.1     | 69.2     | 69.2     | 69.2     | 69.2     | 69.2     | 69.2     | 69.2     | 69.2    | 69.2    | 69.2    | 69.2    |
| GE 5000               | 9.7                              | 82.8     | 84.6     | 85.0     | 85.0     | 85.1     | 85.1     | 85.1     | 85.1     | 85.1     | 85.1     | 85.1     | 85.1    | 85.1    | 85.1    | 85.1    |
| GE 4500               | 9.7                              | 83.4     | 85.1     | 85.6     | 85.6     | 85.7     | 85.7     | 85.7     | 85.7     | 85.7     | 85.7     | 85.7     | 85.7    | 85.7    | 85.7    | 85.7    |
| GE 4000               | 10.1                             | 88.6     | 90.5     | 91.2     | 91.3     | 91.6     | 91.6     | 91.6     | 91.6     | 91.6     | 91.6     | 91.6     | 91.6    | 91.6    | 91.6    | 91.6    |
| GE 3500               | 10.5                             | 92.3     | 94.2     | 94.9     | 95.1     | 95.5     | 95.5     | 95.5     | 95.5     | 95.5     | 95.5     | 95.5     | 95.5    | 95.5    | 95.5    | 95.5    |
| GE 3000               | 10.5                             | 94.2     | 96.1     | 97.4     | 97.6     | 97.9     | 97.9     | 97.9     | 97.9     | 97.9     | 97.9     | 97.9     | 97.9    | 97.9    | 97.9    | 97.9    |
| GE 2500               | 10.5                             | 94.8     | 96.8     | 98.1     | 98.3     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9    | 98.9    | 98.9    | 98.9    |
| GE 2000               | 10.5                             | 94.9     | 96.9     | 98.2     | 98.6     | 99.1     | 99.1     | 99.1     | 99.2     | 99.2     | 99.2     | 99.2     | 99.2    | 99.2    | 99.2    | 99.2    |
| GE 1800               | 10.5                             | 94.9     | 96.9     | 98.2     | 98.6     | 99.1     | 99.1     | 99.1     | 99.2     | 99.2     | 99.2     | 99.2     | 99.2    | 99.2    | 99.2    | 99.2    |
| GE 1500               | 10.5                             | 94.9     | 96.9     | 98.2     | 98.6     | 99.2     | 99.2     | 99.2     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.3    |
| GE 1200               | 10.5                             | 95.0     | 97.0     | 98.5     | 98.8     | 99.4     | 99.4     | 99.4     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.6    |
| GE 1000               | 10.5                             | 95.0     | 97.0     | 98.5     | 98.8     | 99.4     | 99.4     | 99.4     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.6    |
| GE 900                | 10.5                             | 95.0     | 97.0     | 98.5     | 98.8     | 99.4     | 99.4     | 99.4     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.6    |
| GE 800                | 10.5                             | 95.0     | 97.0     | 98.5     | 98.8     | 99.4     | 99.4     | 99.4     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.6    |
| GE 700                | 10.5                             | 95.4     | 97.5     | 98.9     | 99.2     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 600                | 10.5                             | 95.4     | 97.5     | 98.9     | 99.2     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 500                | 10.5                             | 95.4     | 97.5     | 98.9     | 99.2     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 400                | 10.5                             | 95.4     | 97.5     | 98.9     | 99.2     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 300                | 10.5                             | 95.4     | 97.5     | 98.9     | 99.2     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 200                | 10.5                             | 95.4     | 97.5     | 98.9     | 99.2     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 100                | 10.5                             | 95.4     | 97.5     | 98.9     | 99.2     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 0                  | 10.5                             | 95.4     | 97.5     | 98.9     | 99.2     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 907

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87

MONTH: OCT HOURS (LST): 1500-1700

| CEILING<br>IN<br>FEET | GT  | VISIBILITY IN HUNDREDS OF METERS |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-----------------------|-----|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                       |     | GE 160                           | GE 90 | GE 80 | GE 60 | GE 48 | GE 40 | GE 32 | GE 24 | GE 20 | GE 16 | GE 12 | GE 10 | GE 8  | GE 5  | GE 4  | GE 0  |
| NO CEIL               | 6.4 | 48.4                             | 48.5  | 48.6  | 48.6  | 48.6  | 48.6  | 48.6  | 48.6  | 48.6  | 48.6  | 48.6  | 48.6  | 48.6  | 48.6  | 48.6  | 48.6  |
| GE 20000              | 7.4 | 54.8                             | 54.9  | 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  |
| GE 18000              | 7.4 | 55.8                             | 55.9  | 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  |
| GE 16000              | 7.4 | 55.8                             | 55.9  | 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  |
| GE 14000              | 7.4 | 55.8                             | 55.9  | 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  |
| GE 12000              | 8.3 | 60.6                             | 60.8  | 60.9  | 60.9  | 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 10000              | 8.5 | 65.6                             | 66.1  | 66.7  | 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  |
| GE 9000               | 8.7 | 68.1                             | 68.6  | 69.3  | 69.4  | 69.5  | 69.5  | 69.5  | 69.5  | 69.5  | 69.5  | 69.5  | 69.5  | 69.5  | 69.5  | 69.5  | 69.5  |
| GE 8000               | 8.7 | 68.8                             | 69.4  | 70.1  | 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  |
| GE 7000               | 8.7 | 68.8                             | 69.4  | 70.1  | 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  |
| GE 6000               | 8.7 | 68.8                             | 69.4  | 70.1  | 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  |
| GE 5000               | 8.7 | 86.0                             | 86.5  | 87.2  | 87.3  | 87.4  | 87.4  | 87.4  | 87.4  | 87.4  | 87.4  | 87.4  | 87.4  | 87.4  | 87.4  | 87.4  | 87.4  |
| GE 4500               | 8.7 | 86.7                             | 87.3  | 88.0  | 88.1  | 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 4000               | 9.3 | 90.7                             | 91.4  | 92.2  | 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  |
| GE 3500               | 9.3 | 93.5                             | 94.3  | 95.0  | 95.1  | 95.2  | 95.2  | 95.2  | 95.2  | 95.2  | 95.2  | 95.4  | 95.4  | 95.4  | 95.4  | 95.4  | 95.4  |
| GE 3000               | 9.4 | 95.9                             | 96.8  | 97.7  | 98.0  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  | 98.2  | 98.2  | 98.2  | 98.2  | 98.2  | 98.2  |
| GE 2500               | 9.5 | 96.6                             | 97.5  | 98.3  | 98.7  | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  |
| GE 2000               | 9.5 | 96.7                             | 97.7  | 98.7  | 99.0  | 99.1  | 99.1  | 99.2  | 99.2  | 99.2  | 99.2  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  |
| GE 1800               | 9.5 | 96.7                             | 97.7  | 98.7  | 99.0  | 99.1  | 99.1  | 99.2  | 99.2  | 99.2  | 99.2  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  |
| GE 1500               | 9.5 | 96.7                             | 97.7  | 98.8  | 99.1  | 99.3  | 99.3  | 99.4  | 99.4  | 99.4  | 99.4  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  |
| GE 1200               | 9.5 | 96.8                             | 97.8  | 98.9  | 99.3  | 99.6  | 99.6  | 99.6  | 99.7  | 99.7  | 99.7  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  |
| GE 1000               | 9.5 | 96.8                             | 97.8  | 98.9  | 99.3  | 99.6  | 99.6  | 99.6  | 99.7  | 99.7  | 99.7  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  |
| GE 900                | 9.5 | 96.8                             | 97.8  | 98.9  | 99.3  | 99.6  | 99.6  | 99.6  | 99.7  | 99.7  | 99.7  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  |
| GE 800                | 9.5 | 96.8                             | 97.8  | 98.9  | 99.3  | 99.6  | 99.6  | 99.6  | 99.7  | 99.7  | 99.7  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  |
| GE 700                | 9.5 | 96.9                             | 97.9  | 99.1  | 99.6  | 99.8  | 99.8  | 99.8  | 99.9  | 99.9  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600                | 9.5 | 96.9                             | 97.9  | 99.1  | 99.6  | 99.8  | 99.8  | 99.8  | 99.9  | 99.9  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500                | 9.5 | 96.9                             | 97.9  | 99.1  | 99.6  | 99.8  | 99.8  | 99.8  | 99.9  | 99.9  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400                | 9.5 | 96.9                             | 97.9  | 99.1  | 99.6  | 99.8  | 99.8  | 99.8  | 99.9  | 99.9  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300                | 9.5 | 96.9                             | 97.9  | 99.1  | 99.6  | 99.8  | 99.8  | 99.8  | 99.9  | 99.9  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200                | 9.5 | 96.9                             | 97.9  | 99.1  | 99.6  | 99.8  | 99.8  | 99.8  | 99.9  | 99.9  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100                | 9.5 | 96.9                             | 97.9  | 99.1  | 99.6  | 99.8  | 99.8  | 99.8  | 99.9  | 99.9  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0                  | 9.5 | 96.9                             | 97.9  | 99.1  | 99.6  | 99.8  | 99.8  | 99.8  | 99.9  | 99.9  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 905

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 16716C STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GE<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 5.4                              | 43.2     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4    | 43.4    | 43.4    | 43.4    |
| GE 20000              | 5.7                              | 49.2     | 49.7     | 49.7     | 49.7     | 49.7     | 49.7     | 49.7     | 49.7     | 49.7     | 49.7     | 49.7     | 49.7    | 49.7    | 49.7    | 49.7    |
| GE 18000              | 5.7                              | 50.2     | 50.7     | 50.7     | 50.7     | 50.7     | 50.7     | 50.7     | 50.7     | 50.7     | 50.7     | 50.7     | 50.7    | 50.7    | 50.7    | 50.7    |
| GE 16000              | 5.7                              | 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    | 50.9    | 50.9    |
| GE 14000              | 5.7                              | 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    | 50.9    | 50.9    |
| GE 12000              | 6.1                              | 53.4     | 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    | 53.9    |
| GE 10000              | 6.2                              | 56.8     | 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    | 57.4    |
| GE 9000               | 6.2                              | 59.7     | 60.4     | 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 8000               | 6.2                              | 60.2     | 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    |
| GE 7000               | 6.2                              | 60.5     | 61.1     | 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 6000               | 6.2                              | 60.5     | 61.1     | 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 5000               | 6.2                              | 86.1     | 86.8     | 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    |
| GE 4500               | 6.2                              | 86.5     | 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    |
| GE 4000               | 6.7                              | 90.6     | 91.4     | 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 3500               | 6.7                              | 93.6     | 94.4     | 94.8     | 94.8     | 94.8     | 94.8     | 94.8     | 94.8     | 94.8     | 94.8     | 94.8     | 94.8    | 94.8    | 94.8    | 94.8    |
| GE 3000               | 6.7                              | 96.6     | 97.5     | 97.9     | 97.9     | 97.9     | 97.9     | 97.9     | 97.9     | 97.9     | 97.9     | 97.9     | 97.9    | 97.9    | 97.9    | 97.9    |
| GE 2500               | 6.7                              | 97.2     | 98.1     | 98.8     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9    | 98.9    | 98.9    | 98.9    |
| GE 2000               | 6.7                              | 97.4     | 98.2     | 98.9     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0    | 99.0    | 99.0    | 99.0    |
| GE 1800               | 6.7                              | 97.4     | 98.2     | 98.9     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0    | 99.0    | 99.0    | 99.0    |
| GE 1500               | 6.7                              | 97.4     | 98.2     | 98.2     | 99.2     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.3    |
| GE 1200               | 6.7                              | 97.6     | 98.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 1000               | 6.7                              | 97.6     | 98.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 900                | 6.7                              | 97.6     | 98.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 800                | 6.7                              | 97.6     | 98.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 700                | 6.7                              | 97.6     | 98.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 600                | 6.7                              | 97.6     | 98.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 500                | 6.7                              | 97.6     | 98.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 400                | 6.7                              | 97.6     | 98.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 300                | 6.7                              | 97.7     | 98.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 200                | 6.7                              | 97.7     | 98.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 100                | 6.7                              | 97.7     | 98.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 0                  | 6.7                              | 97.7     | 98.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 908

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR PERIOD OF RECORD: 78-87  
 MONTH: OCT HOURS(LST): 2100-2300

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GT<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 3.8                              | 37.6     | 37.6     | 37.6     | 37.6     | 37.6     | 37.6     | 37.6     | 37.6     | 37.6     | 37.6     | 37.6     | 37.6    | 37.6    | 37.6    | 37.6    |
| GE 2000               | 3.8                              | 40.5     | 40.5     | 40.5     | 40.5     | 40.5     | 40.5     | 40.5     | 40.5     | 40.5     | 40.5     | 40.5     | 40.5    | 40.5    | 40.5    | 40.5    |
| GE 1800               | 3.8                              | 40.8     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8    | 40.8    | 40.8    | 40.8    |
| GE 1600               | 3.8                              | 40.8     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8    | 40.8    | 40.8    | 40.8    |
| GE 1400               | 3.8                              | 40.8     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8    | 40.8    | 40.8    | 40.8    |
| GE 1200               | 4.2                              | 44.8     | 44.8     | 44.8     | 44.8     | 44.8     | 44.8     | 44.8     | 44.8     | 44.8     | 44.8     | 44.8     | 44.8    | 44.8    | 44.8    | 44.8    |
| GE 1000               | 4.2                              | 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 900                | 4.2                              | 52.4     | 52.4     | 52.4     | 52.4     | 52.4     | 52.4     | 52.4     | 52.4     | 52.4     | 52.4     | 52.4     | 52.4    | 52.4    | 52.4    | 52.4    |
| GE 800                | 4.2                              | 54.4     | 54.4     | 54.4     | 54.4     | 54.4     | 54.4     | 54.4     | 54.4     | 54.4     | 54.4     | 54.4     | 54.4    | 54.4    | 54.4    | 54.4    |
| GE 700                | 4.2                              | 54.4     | 54.4     | 54.4     | 54.4     | 54.4     | 54.4     | 54.4     | 54.4     | 54.4     | 54.4     | 54.4     | 54.4    | 54.4    | 54.4    | 54.4    |
| GE 600                | 4.2                              | 54.4     | 54.4     | 54.4     | 54.4     | 54.4     | 54.4     | 54.4     | 54.4     | 54.4     | 54.4     | 54.4     | 54.4    | 54.4    | 54.4    | 54.4    |
| GE 500                | 4.4                              | 88.8     | 88.8     | 88.8     | 88.8     | 88.8     | 88.8     | 88.8     | 88.8     | 88.8     | 88.8     | 88.8     | 88.8    | 88.8    | 88.8    | 88.8    |
| GE 450                | 4.4                              | 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    |
| GE 400                | 4.5                              | 91.7     | 91.7     | 91.7     | 91.7     | 91.7     | 91.7     | 91.7     | 91.7     | 91.8     | 91.8     | 91.8     | 91.8    | 91.8    | 91.8    | 91.8    |
| GE 350                | 4.5                              | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.8     | 94.8     | 94.8     | 94.8    | 94.8    | 94.8    | 94.8    |
| GE 300                | 4.5                              | 96.8     | 97.2     | 97.6     | 97.6     | 97.6     | 97.6     | 97.7     | 97.7     | 97.8     | 97.8     | 97.8     | 97.8    | 97.8    | 97.8    | 97.8    |
| GE 250                | 4.5                              | 97.6     | 98.0     | 98.5     | 98.6     | 98.7     | 98.8     | 98.8     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9    | 98.9    | 98.9    | 98.9    |
| GE 200                | 4.5                              | 98.0     | 98.5     | 98.9     | 99.0     | 99.1     | 99.2     | 99.2     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.3    |
| GE 180                | 4.5                              | 98.0     | 98.5     | 98.9     | 99.0     | 99.1     | 99.2     | 99.2     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.3    |
| GE 150                | 4.5                              | 98.3     | 98.7     | 99.2     | 99.3     | 99.5     | 99.6     | 99.6     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.7    | 99.7    |
| GE 120                | 4.5                              | 98.5     | 98.9     | 99.5     | 99.6     | 99.7     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 100                | 4.5                              | 98.5     | 98.9     | 99.5     | 99.6     | 99.7     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 80                 | 4.5                              | 98.5     | 98.9     | 99.5     | 99.6     | 99.7     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 70                 | 4.5                              | 98.5     | 99.0     | 99.6     | 99.7     | 99.8     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 60                 | 4.5                              | 98.5     | 99.0     | 99.6     | 99.7     | 99.8     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 50                 | 4.5                              | 98.5     | 99.0     | 99.6     | 99.7     | 99.8     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 40                 | 4.5                              | 98.5     | 99.0     | 99.6     | 99.7     | 99.8     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 30                 | 4.5                              | 98.5     | 99.0     | 99.6     | 99.7     | 99.8     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 20                 | 4.5                              | 98.5     | 99.0     | 99.6     | 99.7     | 99.8     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 10                 | 4.5                              | 98.5     | 99.0     | 99.6     | 99.7     | 99.8     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE                    | 4.5                              | 98.5     | 99.0     | 99.6     | 99.7     | 99.8     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 919

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GT<br>100                        | GE<br>90 | GE<br>80 | GE<br>70 | GE<br>60 | GE<br>50 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 4.0                              | 40.9     | 41.5     | 41.9     | 41.9     | 41.9     | 41.9     | 41.9     | 41.9     | 41.9     | 41.9     | 41.9     | 41.9     | 41.9    | 41.9    | 41.9    | 41.9    |
| GE 20000              | 5.2                              | 45.5     | 46.2     | 46.6     | 46.7     | 46.7     | 46.7     | 46.7     | 46.7     | 46.7     | 46.7     | 46.7     | 46.7     | 46.7    | 46.7    | 46.7    | 46.7    |
| GE 18000              | 5.2                              | 46.1     | 46.8     | 47.3     | 47.4     | 47.4     | 47.4     | 47.4     | 47.4     | 47.4     | 47.4     | 47.4     | 47.4     | 47.4    | 47.4    | 47.4    | 47.4    |
| GE 16000              | 5.2                              | 46.1     | 46.9     | 47.4     | 47.4     | 47.4     | 47.4     | 47.4     | 47.4     | 47.4     | 47.4     | 47.4     | 47.4     | 47.4    | 47.4    | 47.4    | 47.4    |
| GE 14000              | 5.2                              | 46.2     | 46.9     | 47.4     | 47.4     | 47.5     | 47.5     | 47.5     | 47.5     | 47.5     | 47.5     | 47.5     | 47.5     | 47.5    | 47.5    | 47.5    | 47.5    |
| GE 12000              | 5.7                              | 50.0     | 50.9     | 51.4     | 51.4     | 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 10000              | 5.8                              | 54.1     | 55.1     | 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    | 55.8    |
| GE 9000               | 5.9                              | 56.7     | 57.8     | 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    |
| GE 8000               | 5.9                              | 57.6     | 58.8     | 59.5     | 59.6     | 59.6     | 59.6     | 59.6     | 59.6     | 59.6     | 59.6     | 59.6     | 59.6     | 59.6    | 59.6    | 59.6    | 59.6    |
| GE 7000               | 5.9                              | 57.6     | 58.9     | 59.5     | 59.6     | 59.7     | 59.7     | 59.7     | 59.7     | 59.7     | 59.7     | 59.7     | 59.7     | 59.7    | 59.7    | 59.7    | 59.7    |
| GE 6000               | 5.9                              | 57.6     | 58.9     | 59.5     | 59.6     | 59.7     | 59.7     | 59.7     | 59.7     | 59.7     | 59.7     | 59.7     | 59.7     | 59.7    | 59.7    | 59.7    | 59.7    |
| GE 5000               | 6.0                              | 85.1     | 86.3     | 87.0     | 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    |
| GE 4500               | 6.0                              | 85.4     | 86.7     | 87.4     | 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    |
| GE 4000               | 6.4                              | 89.3     | 90.0     | 91.4     | 91.5     | 91.6     | 91.6     | 91.6     | 91.6     | 91.6     | 91.6     | 91.6     | 91.6     | 91.6    | 91.6    | 91.6    | 91.6    |
| GE 3500               | 6.4                              | 91.9     | 93.3     | 94.1     | 94.2     | 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 3000               | 6.5                              | 94.5     | 96.0     | 97.1     | 97.2     | 97.3     | 97.3     | 97.3     | 97.3     | 97.3     | 97.3     | 97.4     | 97.4     | 97.4    | 97.4    | 97.4    | 97.4    |
| GE 2500               | 6.5                              | 95.4     | 97.1     | 98.2     | 98.4     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6    | 98.6    | 98.6    | 98.6    |
| GE 2000               | 6.5                              | 95.6     | 97.4     | 98.6     | 98.8     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9    | 98.9    | 98.9    | 98.9    |
| GE 1800               | 6.5                              | 95.7     | 97.4     | 98.6     | 98.8     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9    | 98.9    | 98.9    | 98.9    |
| GE 1500               | 6.5                              | 95.8     | 97.5     | 98.8     | 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    |
| GE 1200               | 6.5                              | 96.1     | 97.9     | 99.2     | 99.5     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.6    |
| GE 1000               | 6.5                              | 96.1     | 97.9     | 99.2     | 99.5     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.6    |
| GE 900                | 6.5                              | 96.1     | 97.9     | 99.2     | 99.5     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.6    |
| GE 800                | 6.5                              | 96.1     | 97.9     | 99.2     | 99.5     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.6    |
| GE 700                | 6.5                              | 96.2     | 98.0     | 99.4     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 600                | 6.5                              | 96.2     | 98.0     | 99.4     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 500                | 6.5                              | 96.2     | 98.0     | 99.4     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 400                | 6.5                              | 96.2     | 98.1     | 99.4     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 100.0   |
| GE 300                | 6.5                              | 96.2     | 98.1     | 99.4     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 200                | 6.5                              | 96.2     | 98.1     | 99.4     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 100                | 6.5                              | 96.2     | 98.1     | 99.4     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 0                  | 6.5                              | 96.2     | 98.1     | 99.4     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 7290



GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | ST<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 4.6                              | 38.3     | 38.6     | 38.6     | 38.6     | 38.6     | 38.6     | 38.6     | 38.7     | 38.7     | 38.7     | 38.7     | 38.7    | 38.7    | 38.7    | 38.8    |
| GE 2000               | 4.7                              | 40.8     | 41.2     | 41.2     | 41.2     | 41.2     | 41.2     | 41.2     | 41.3     | 41.3     | 41.3     | 41.3     | 41.3    | 41.3    | 41.3    | 41.4    |
| GE 1800               | 4.7                              | 41.2     | 41.5     | 41.5     | 41.5     | 41.5     | 41.5     | 41.5     | 41.6     | 41.6     | 41.6     | 41.6     | 41.6    | 41.6    | 41.6    | 41.8    |
| GE 1600               | 4.7                              | 41.2     | 41.5     | 41.5     | 41.5     | 41.5     | 41.5     | 41.5     | 41.6     | 41.6     | 41.6     | 41.6     | 41.6    | 41.6    | 41.6    | 41.8    |
| GE 1400               | 4.7                              | 41.2     | 41.5     | 41.5     | 41.5     | 41.5     | 41.5     | 41.5     | 41.6     | 41.6     | 41.6     | 41.6     | 41.6    | 41.6    | 41.6    | 41.8    |
| GE 1200               | 5.4                              | 46.8     | 47.1     | 47.1     | 47.1     | 47.1     | 47.1     | 47.1     | 47.3     | 47.3     | 47.3     | 47.3     | 47.3    | 47.3    | 47.3    | 47.4    |
| GE 1000               | 5.4                              | 52.2     | 52.5     | 52.5     | 52.5     | 52.5     | 52.5     | 52.5     | 52.6     | 52.6     | 52.6     | 52.6     | 52.6    | 52.6    | 52.6    | 52.7    |
| GE 900                | 5.4                              | 55.4     | 55.7     | 55.7     | 55.7     | 55.7     | 55.7     | 55.7     | 55.8     | 55.8     | 55.8     | 55.8     | 55.8    | 55.8    | 55.8    | 55.9    |
| GE 800                | 5.4                              | 56.8     | 57.1     | 57.1     | 57.1     | 57.1     | 57.1     | 57.1     | 57.2     | 57.2     | 57.2     | 57.2     | 57.2    | 57.2    | 57.2    | 57.3    |
| GE 700                | 5.5                              | 57.1     | 57.4     | 57.4     | 57.4     | 57.4     | 57.4     | 57.4     | 57.6     | 57.6     | 57.6     | 57.6     | 57.6    | 57.6    | 57.6    | 57.7    |
| GE 600                | 5.5                              | 57.1     | 57.4     | 57.4     | 57.4     | 57.4     | 57.4     | 57.4     | 57.6     | 57.6     | 57.6     | 57.6     | 57.6    | 57.6    | 57.6    | 57.7    |
| GE 500                | 5.5                              | 80.4     | 80.8     | 80.8     | 80.8     | 80.8     | 80.8     | 80.8     | 80.9     | 80.9     | 80.9     | 80.9     | 80.9    | 80.9    | 80.9    | 81.0    |
| GE 450                | 5.5                              | 81.0     | 81.4     | 81.4     | 81.4     | 81.4     | 81.4     | 81.4     | 81.5     | 81.5     | 81.5     | 81.5     | 81.5    | 81.5    | 81.5    | 81.6    |
| GE 400                | 5.5                              | 87.2     | 87.6     | 87.6     | 87.6     | 87.6     | 87.6     | 87.6     | 87.8     | 87.8     | 87.8     | 87.8     | 87.8    | 87.8    | 87.8    | 87.9    |
| GE 350                | 5.5                              | 90.5     | 91.1     | 91.1     | 91.1     | 91.1     | 91.1     | 91.1     | 91.2     | 91.2     | 91.2     | 91.2     | 91.2    | 91.2    | 91.2    | 91.3    |
| GE 300                | 5.6                              | 94.1     | 95.0     | 95.1     | 95.1     | 95.1     | 95.1     | 95.1     | 95.2     | 95.2     | 95.2     | 95.2     | 95.2    | 95.2    | 95.2    | 95.3    |
| GE 250                | 5.9                              | 96.2     | 97.1     | 97.5     | 97.5     | 97.5     | 97.5     | 97.5     | 97.6     | 97.7     | 97.7     | 97.7     | 97.7    | 97.7    | 97.7    | 97.8    |
| GE 200                | 5.9                              | 97.4     | 98.3     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.7     | 98.9     | 98.9     | 98.9     | 98.9    | 98.9    | 98.9    | 99.0    |
| GE 180                | 5.9                              | 97.4     | 98.3     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.7     | 98.9     | 98.9     | 98.9     | 98.9    | 98.9    | 98.9    | 99.0    |
| GE 150                | 5.9                              | 97.6     | 98.5     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 99.0     | 99.1     | 99.1     | 99.1     | 99.1    | 99.1    | 99.1    | 99.2    |
| GE 120                | 6.1                              | 98.2     | 99.1     | 99.4     | 99.5     | 99.5     | 99.5     | 99.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.9    |
| GE 100                | 6.1                              | 98.2     | 99.1     | 99.4     | 99.5     | 99.5     | 99.5     | 99.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.9    |
| GE 90                 | 6.1                              | 98.2     | 99.1     | 99.4     | 99.5     | 99.5     | 99.5     | 99.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.9    |
| GE 80                 | 6.1                              | 98.2     | 99.1     | 99.4     | 99.5     | 99.5     | 99.5     | 99.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.9    |
| GE 70                 | 6.1                              | 98.3     | 99.2     | 99.5     | 99.7     | 99.7     | 99.7     | 99.7     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 60                 | 6.1                              | 98.3     | 99.2     | 99.5     | 99.7     | 99.7     | 99.7     | 99.7     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 50                 | 6.1                              | 98.3     | 99.2     | 99.5     | 99.7     | 99.7     | 99.7     | 99.7     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 40                 | 6.1                              | 98.3     | 99.2     | 99.5     | 99.7     | 99.7     | 99.7     | 99.7     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 30                 | 6.1                              | 98.3     | 99.2     | 99.5     | 99.7     | 99.7     | 99.7     | 99.7     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 20                 | 6.1                              | 98.3     | 99.2     | 99.5     | 99.7     | 99.7     | 99.7     | 99.7     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 10                 | 6.1                              | 98.3     | 99.2     | 99.5     | 99.7     | 99.7     | 99.7     | 99.7     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE                    | 71                               | 6.1      | 98.3     | 99.2     | 99.5     | 99.7     | 99.7     | 99.7     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 974

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 16716C STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GT<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 4.1                              | 38.8     | 39.8     | 39.9     | 39.9     | 39.9     | 39.9     | 39.9     | 39.9     | 39.9     | 39.9     | 39.9     | 39.9    | 39.9    | 39.9    | 39.9    |
| GE 2000               | 4.3                              | 41.5     | 42.9     | 43.0     | 43.0     | 43.0     | 43.0     | 43.0     | 43.0     | 43.0     | 43.0     | 43.0     | 43.0    | 43.0    | 43.0    | 43.0    |
| GE 1800               | 4.3                              | 41.8     | 43.2     | 43.3     | 43.3     | 43.3     | 43.3     | 43.3     | 43.3     | 43.3     | 43.3     | 43.3     | 43.3    | 43.3    | 43.3    | 43.3    |
| GE 1600               | 4.3                              | 41.8     | 43.2     | 43.3     | 43.3     | 43.3     | 43.3     | 43.3     | 43.3     | 43.3     | 43.3     | 43.3     | 43.3    | 43.3    | 43.3    | 43.3    |
| GE 1400               | 4.3                              | 41.8     | 43.2     | 43.3     | 43.3     | 43.3     | 43.3     | 43.3     | 43.3     | 43.3     | 43.3     | 43.3     | 43.3    | 43.3    | 43.3    | 43.3    |
| GE 1200               | 4.7                              | 46.1     | 47.5     | 47.6     | 47.6     | 47.6     | 47.6     | 47.6     | 47.6     | 47.6     | 47.6     | 47.6     | 47.6    | 47.6    | 47.6    | 47.6    |
| GE 1000               | 4.7                              | 50.2     | 51.6     | 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    |
| GE 900                | 4.9                              | 53.5     | 54.9     | 55.0     | 55.0     | 55.0     | 55.0     | 55.0     | 55.1     | 55.1     | 55.1     | 55.1     | 55.1    | 55.1    | 55.1    | 55.1    |
| GE 800                | 5.2                              | 54.4     | 55.8     | 55.9     | 55.9     | 55.9     | 55.9     | 56.0     | 56.0     | 56.0     | 56.0     | 56.0     | 56.0    | 56.0    | 56.0    | 56.0    |
| GE 700                | 5.2                              | 54.7     | 56.0     | 56.2     | 56.2     | 56.2     | 56.2     | 56.3     | 56.3     | 56.3     | 56.3     | 56.3     | 56.3    | 56.3    | 56.3    | 56.3    |
| GE 600                | 5.2                              | 54.7     | 56.0     | 56.2     | 56.2     | 56.2     | 56.2     | 56.3     | 56.3     | 56.3     | 56.3     | 56.3     | 56.3    | 56.3    | 56.3    | 56.3    |
| GE 500                | 5.2                              | 77.8     | 79.2     | 79.3     | 79.3     | 79.3     | 79.3     | 79.4     | 79.4     | 79.4     | 79.4     | 79.4     | 79.4    | 79.4    | 79.4    | 79.4    |
| GE 450                | 5.2                              | 77.9     | 79.3     | 79.4     | 79.4     | 79.4     | 79.4     | 79.5     | 79.5     | 79.5     | 79.5     | 79.5     | 79.5    | 79.5    | 79.5    | 79.5    |
| GE 400                | 5.5                              | 85.7     | 87.1     | 87.2     | 87.3     | 87.3     | 87.3     | 87.5     | 87.5     | 87.5     | 87.5     | 87.5     | 87.5    | 87.5    | 87.5    | 87.5    |
| GE 350                | 5.5                              | 89.1     | 90.4     | 90.6     | 90.7     | 90.7     | 90.7     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8    | 90.8    | 90.8    | 90.8    |
| GE 300                | 5.5                              | 94.4     | 96.0     | 96.3     | 96.4     | 96.4     | 96.4     | 96.5     | 96.5     | 96.5     | 96.5     | 96.5     | 96.5    | 96.5    | 96.5    | 96.5    |
| GE 250                | 5.6                              | 95.6     | 97.4     | 97.7     | 97.8     | 97.8     | 97.8     | 97.9     | 97.9     | 97.9     | 97.9     | 97.9     | 97.9    | 97.9    | 97.9    | 97.9    |
| GE 200                | 5.6                              | 96.3     | 98.2     | 98.5     | 98.6     | 98.6     | 98.6     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7    | 98.7    | 98.7    | 98.7    |
| GE 180                | 5.6                              | 96.4     | 98.3     | 98.6     | 98.7     | 98.7     | 98.7     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8    | 98.8    | 98.8    | 98.8    |
| GE 150                | 5.6                              | 96.7     | 98.5     | 98.8     | 99.0     | 99.0     | 99.0     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1    | 99.1    | 99.1    | 99.1    |
| GE 120                | 5.6                              | 97.2     | 99.1     | 99.4     | 99.5     | 99.5     | 99.5     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.7    | 99.7    |
| GE 100                | 5.6                              | 97.2     | 99.1     | 99.4     | 99.5     | 99.5     | 99.5     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.7    | 99.7    |
| GE 90                 | 5.6                              | 97.2     | 99.1     | 99.4     | 99.5     | 99.5     | 99.5     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.7    | 99.7    |
| GE 80                 | 5.6                              | 97.2     | 99.1     | 99.4     | 99.5     | 99.5     | 99.5     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.7    | 99.7    |
| GE 70                 | 5.6                              | 97.5     | 99.3     | 99.7     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 60                 | 5.6                              | 97.5     | 99.3     | 99.7     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 50                 | 5.6                              | 97.5     | 99.3     | 99.7     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 40                 | 5.6                              | 97.5     | 99.3     | 99.7     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 30                 | 5.6                              | 97.5     | 99.3     | 99.7     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 20                 | 5.6                              | 97.5     | 99.3     | 99.7     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 10                 | 5.6                              | 97.5     | 99.3     | 99.7     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 0                  | 5.6                              | 97.5     | 99.3     | 99.7     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 964

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM FOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GT<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 4.2                              | 34.0     | 35.8     | 36.2     | 36.2     | 36.2     | 36.2     | 36.2     | 36.2     | 36.2     | 36.2     | 36.2     | 36.2    | 36.3    | 36.3    | 36.3    |
| GE 20000              | 4.6                              | 37.3     | 39.6     | 40.0     | 40.0     | 40.0     | 40.0     | 40.0     | 40.0     | 40.0     | 40.0     | 40.0     | 40.0    | 40.1    | 40.1    | 40.1    |
| GE 18000              | 4.6                              | 37.7     | 40.0     | 40.3     | 40.3     | 40.3     | 40.3     | 40.3     | 40.3     | 40.3     | 40.3     | 40.3     | 40.3    | 40.4    | 40.4    | 40.4    |
| GE 16000              | 4.6                              | 37.7     | 40.0     | 40.3     | 40.3     | 40.3     | 40.3     | 40.3     | 40.3     | 40.3     | 40.3     | 40.3     | 40.3    | 40.4    | 40.4    | 40.4    |
| GE 14000              | 4.6                              | 37.7     | 40.0     | 40.3     | 40.3     | 40.3     | 40.3     | 40.3     | 40.3     | 40.3     | 40.3     | 40.3     | 40.3    | 40.4    | 40.4    | 40.4    |
| GE 12000              | 6.4                              | 43.2     | 45.5     | 45.9     | 45.9     | 45.9     | 45.9     | 45.9     | 45.9     | 45.9     | 45.9     | 45.9     | 45.9    | 46.0    | 46.0    | 46.0    |
| GE 10000              | 6.7                              | 48.1     | 50.4     | 50.9     | 50.9     | 50.9     | 50.9     | 50.9     | 50.9     | 50.9     | 50.9     | 50.9     | 50.9    | 51.0    | 51.0    | 51.0    |
| GE 9000               | 6.7                              | 52.5     | 54.8     | 55.3     | 55.3     | 55.3     | 55.3     | 55.3     | 55.3     | 55.3     | 55.3     | 55.3     | 55.3    | 55.5    | 55.5    | 55.5    |
| GE 8000               | 6.7                              | 54.1     | 56.5     | 57.1     | 57.1     | 57.1     | 57.1     | 57.1     | 57.1     | 57.1     | 57.1     | 57.1     | 57.1    | 57.2    | 57.2    | 57.2    |
| GE 7000               | 6.7                              | 54.3     | 56.7     | 57.3     | 57.3     | 57.3     | 57.3     | 57.3     | 57.3     | 57.3     | 57.3     | 57.3     | 57.3    | 57.4    | 57.4    | 57.4    |
| GE 6000               | 6.7                              | 54.3     | 56.7     | 57.3     | 57.3     | 57.3     | 57.3     | 57.3     | 57.3     | 57.3     | 57.3     | 57.3     | 57.3    | 57.4    | 57.4    | 57.4    |
| GE 5000               | 6.7                              | 72.3     | 74.7     | 75.3     | 75.3     | 75.3     | 75.3     | 75.3     | 75.3     | 75.3     | 75.3     | 75.3     | 75.3    | 75.4    | 75.4    | 75.4    |
| GE 4500               | 6.7                              | 73.0     | 75.4     | 76.0     | 76.0     | 76.0     | 76.0     | 76.0     | 76.0     | 76.0     | 76.0     | 76.0     | 76.0    | 76.1    | 76.1    | 76.1    |
| GE 4000               | 7.5                              | 82.2     | 84.6     | 85.2     | 85.2     | 85.2     | 85.2     | 85.2     | 85.2     | 85.2     | 85.2     | 85.2     | 85.2    | 85.3    | 85.3    | 85.3    |
| GE 3500               | 7.7                              | 86.0     | 88.4     | 89.0     | 89.0     | 89.0     | 89.0     | 89.0     | 89.0     | 89.0     | 89.0     | 89.0     | 89.0    | 89.1    | 89.1    | 89.1    |
| GE 3000               | 7.8                              | 90.9     | 93.7     | 94.5     | 94.5     | 94.5     | 94.5     | 94.5     | 94.5     | 94.5     | 94.5     | 94.5     | 94.5    | 94.7    | 94.7    | 94.7    |
| GE 2500               | 8.0                              | 93.2     | 96.0     | 96.9     | 97.0     | 97.1     | 97.1     | 97.1     | 97.1     | 97.1     | 97.1     | 97.1     | 97.1    | 97.2    | 97.2    | 97.2    |
| GE 2000               | 8.0                              | 94.3     | 97.0     | 98.2     | 98.3     | 98.4     | 98.4     | 98.5     | 98.5     | 98.5     | 98.5     | 98.5     | 98.5    | 98.6    | 98.6    | 98.6    |
| GE 1800               | 8.0                              | 94.3     | 97.0     | 98.2     | 98.3     | 98.4     | 98.4     | 98.5     | 98.5     | 98.5     | 98.5     | 98.5     | 98.5    | 98.6    | 98.6    | 98.6    |
| GE 1500               | 8.0                              | 94.3     | 97.1     | 98.3     | 98.5     | 98.7     | 98.7     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9    | 99.0    | 99.0    | 99.0    |
| GE 1200               | 8.2                              | 94.8     | 97.8     | 99.0     | 99.2     | 99.5     | 99.5     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.8    | 99.8    | 99.8    |
| GE 1000               | 8.2                              | 94.8     | 97.8     | 99.0     | 99.2     | 99.5     | 99.5     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.8    | 99.8    | 99.8    |
| GE 900                | 8.2                              | 94.8     | 97.8     | 99.0     | 99.2     | 99.5     | 99.5     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.8    | 99.8    | 99.8    |
| GE 800                | 8.2                              | 94.8     | 97.8     | 99.0     | 99.2     | 99.5     | 99.5     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.8    | 99.8    | 99.8    |
| GE 700                | 8.2                              | 94.9     | 97.9     | 99.1     | 99.3     | 99.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.9    | 99.9    | 99.9    |
| GE 600                | 8.2                              | 94.9     | 97.9     | 99.1     | 99.3     | 99.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.9    | 99.9    | 99.9    |
| GE 500                | 8.2                              | 94.9     | 97.9     | 99.1     | 99.3     | 99.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.9    | 99.9    | 99.9    |
| GE 400                | 8.2                              | 94.9     | 97.9     | 99.1     | 99.3     | 99.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.9    | 99.9    | 99.9    |
| GE 300                | 8.2                              | 94.9     | 97.9     | 99.1     | 99.3     | 99.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.9    | 99.9    | 99.9    |
| GE 200                | 8.2                              | 94.9     | 97.9     | 99.1     | 99.3     | 99.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.9    | 99.9    | 99.9    |
| GE 100                | 8.2                              | 94.9     | 97.9     | 99.1     | 99.3     | 99.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.9    | 99.9    | 99.9    |
| GE 0                  | 8.2                              | 94.9     | 97.9     | 99.1     | 99.3     | 99.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.9    | 99.9    | 99.9    |

TOTAL NUMBER OF OBSERVATIONS: 871

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
MONTH: NOV HOURS(IST): 0900-1100

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |      |      |      |      |      |      |       |       |       |       |       |       |       |       |       |
|-----------------------|----------------------------------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                       | 160                              | 90   | 80   | 60   | 48   | 40   | 32   | 24    | 20    | 16    | 12    | 10    | 8     | 5     | 4     | 0     |
| NO CEIL               | 7.3                              | 35.9 | 37.7 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5  | 38.5  | 38.5  | 38.5  | 38.5  | 38.5  | 38.5  | 38.5  | 38.5  |
| GE 20000              | 7.7                              | 43.5 | 46.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6  | 47.6  | 47.6  | 47.6  | 47.6  | 47.6  | 47.6  | 47.6  | 47.6  |
| GE 18000              | 7.7                              | 44.3 | 47.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4  | 48.4  | 48.4  | 48.4  | 48.4  | 48.4  | 48.4  | 48.4  | 48.4  |
| GE 16000              | 7.7                              | 44.4 | 47.6 | 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  |
| GE 14000              | 7.7                              | 44.6 | 47.8 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7  | 48.7  | 48.7  | 48.7  | 48.7  | 48.7  | 48.7  | 48.7  | 48.7  |
| GE 12000              | 8.8                              | 48.7 | 52.0 | 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 10000              | 8.8                              | 53.1 | 56.4 | 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 9000               | 8.8                              | 55.5 | 58.8 | 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 8000               | 8.8                              | 57.3 | 60.8 | 61.8 | 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 7000               | 8.8                              | 57.8 | 61.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2  | 62.2  | 62.2  | 62.2  | 62.2  | 62.2  | 62.2  | 62.2  | 62.2  |
| GE 6000               | 8.8                              | 57.8 | 61.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2  | 62.2  | 62.2  | 62.2  | 62.2  | 62.2  | 62.2  | 62.2  | 62.2  |
| GE 5000               | 8.8                              | 71.8 | 75.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2  | 76.2  | 76.2  | 76.2  | 76.2  | 76.2  | 76.2  | 76.2  | 76.2  |
| GE 4500               | 8.8                              | 73.0 | 76.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5  | 77.5  | 77.5  | 77.5  | 77.5  | 77.5  | 77.5  | 77.5  | 77.5  |
| GE 4000               | 9.6                              | 81.2 | 84.9 | 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 3500               | 9.7                              | 85.0 | 88.6 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8  | 89.8  | 89.8  | 89.8  | 89.8  | 89.8  | 89.8  | 89.8  | 89.8  |
| GE 3000               | 9.9                              | 88.9 | 92.7 | 93.9 | 94.2 | 94.2 | 94.2 | 94.2  | 94.3  | 94.3  | 94.3  | 94.3  | 94.3  | 94.3  | 94.3  | 94.3  |
| GE 2500               | 10.1                             | 90.3 | 94.2 | 95.6 | 96.1 | 96.1 | 96.1 | 96.2  | 96.2  | 96.2  | 96.2  | 96.2  | 96.2  | 96.2  | 96.2  | 96.2  |
| GE 2000               | 10.1                             | 92.2 | 96.1 | 97.7 | 98.3 | 98.3 | 98.3 | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  |
| GE 1800               | 10.1                             | 92.2 | 96.1 | 97.7 | 98.3 | 98.4 | 98.4 | 98.5  | 98.5  | 98.5  | 98.5  | 98.5  | 98.5  | 98.5  | 98.5  | 98.5  |
| GE 1500               | 10.1                             | 92.2 | 96.1 | 97.8 | 98.4 | 98.5 | 98.5 | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  |
| GE 1200               | 10.2                             | 92.6 | 96.6 | 98.5 | 99.1 | 99.2 | 99.2 | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  |
| GE 1000               | 10.2                             | 92.6 | 96.6 | 98.5 | 99.1 | 99.2 | 99.2 | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  |
| GE 900                | 10.2                             | 92.6 | 96.6 | 98.5 | 99.1 | 99.2 | 99.2 | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  |
| GE 800                | 10.2                             | 92.6 | 96.6 | 98.5 | 99.1 | 99.2 | 99.2 | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  |
| GE 700                | 10.2                             | 92.9 | 96.9 | 98.9 | 99.4 | 99.5 | 99.5 | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  |
| GE 600                | 10.2                             | 92.9 | 96.9 | 98.9 | 99.4 | 99.5 | 99.5 | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  |
| GE 500                | 10.2                             | 92.9 | 96.9 | 98.9 | 99.4 | 99.5 | 99.5 | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  |
| GE 400                | 10.2                             | 92.9 | 96.9 | 98.9 | 99.4 | 99.5 | 99.5 | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  |
| GE 300                | 10.2                             | 92.9 | 96.9 | 98.9 | 99.4 | 99.5 | 99.5 | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  |
| GE 200                | 10.2                             | 92.9 | 96.9 | 98.9 | 99.4 | 99.5 | 99.5 | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  |
| GE 100                | 10.2                             | 93.1 | 97.0 | 99.0 | 99.5 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE                    | 10.2                             | 93.1 | 97.0 | 99.0 | 99.5 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 879

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87

MONTH: NOV HOURS (LST): 1200-1400

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GE<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 8.0                              | 38.2     | 38.6     | 38.6     | 38.8     | 38.8     | 38.8     | 38.8     | 38.8     | 38.8     | 38.8     | 38.8     | 38.8    | 38.8    | 38.8    | 38.8    |
| GE 2000               | 9.2                              | 46.8     | 47.5     | 47.5     | 47.6     | 47.6     | 47.6     | 47.6     | 47.6     | 47.6     | 47.6     | 47.6     | 47.6    | 47.6    | 47.6    | 47.6    |
| GE 1800               | 9.2                              | 48.2     | 48.9     | 48.9     | 49.0     | 49.0     | 49.0     | 49.0     | 49.0     | 49.0     | 49.0     | 49.0     | 49.0    | 49.0    | 49.0    | 49.0    |
| GE 1600               | 9.2                              | 48.2     | 48.9     | 48.9     | 49.0     | 49.0     | 49.0     | 49.0     | 49.0     | 49.0     | 49.0     | 49.0     | 49.0    | 49.0    | 49.0    | 49.0    |
| GE 1400               | 9.2                              | 48.2     | 48.9     | 48.9     | 49.0     | 49.0     | 49.0     | 49.0     | 49.0     | 49.0     | 49.0     | 49.0     | 49.0    | 49.0    | 49.0    | 49.0    |
| GE 1200               | 10.2                             | 53.1     | 54.2     | 54.2     | 54.4     | 54.4     | 54.4     | 54.4     | 54.4     | 54.4     | 54.4     | 54.4     | 54.4    | 54.4    | 54.4    | 54.4    |
| GE 1000               | 10.2                             | 57.3     | 58.5     | 58.5     | 58.6     | 58.6     | 58.6     | 58.6     | 58.6     | 58.6     | 58.6     | 58.6     | 58.6    | 58.6    | 58.6    | 58.6    |
| GE 900                | 10.3                             | 58.7     | 60.1     | 60.2     | 60.3     | 60.3     | 60.3     | 60.3     | 60.3     | 60.3     | 60.3     | 60.3     | 60.3    | 60.3    | 60.3    | 60.3    |
| GE 800                | 10.3                             | 59.9     | 61.2     | 61.4     | 61.5     | 61.5     | 61.5     | 61.5     | 61.5     | 61.5     | 61.5     | 61.5     | 61.5    | 61.5    | 61.5    | 61.5    |
| GE 700                | 10.3                             | 60.0     | 61.4     | 61.5     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6    | 61.6    | 61.6    | 61.6    |
| GE 600                | 10.3                             | 60.0     | 61.4     | 61.5     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6    | 61.6    | 61.6    | 61.6    |
| GE 500                | 10.3                             | 71.2     | 72.6     | 72.7     | 72.8     | 72.8     | 72.8     | 72.8     | 72.8     | 72.8     | 72.8     | 72.8     | 72.8    | 72.8    | 72.8    | 72.8    |
| GE 450                | 10.3                             | 72.0     | 73.4     | 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    |
| GE 400                | 12.2                             | 83.6     | 85.0     | 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    |
| GE 350                | 12.5                             | 88.3     | 89.9     | 90.3     | 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 300                | 12.6                             | 91.4     | 93.0     | 93.7     | 93.9     | 93.9     | 93.9     | 93.9     | 93.9     | 93.9     | 93.9     | 93.9     | 93.9    | 93.9    | 93.9    | 93.9    |
| GE 250                | 13.0                             | 93.5     | 95.3     | 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    |
| GE 200                | 13.1                             | 95.0     | 97.2     | 98.1     | 98.3     | 98.5     | 98.5     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6    | 98.6    | 98.6    | 98.6    |
| GE 180                | 13.1                             | 95.2     | 97.5     | 98.3     | 98.5     | 98.7     | 98.7     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9    | 98.9    | 98.9    | 98.9    |
| GE 150                | 13.1                             | 95.3     | 97.6     | 98.5     | 98.7     | 99.0     | 99.0     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1    | 99.1    | 99.1    | 99.1    |
| GE 120                | 13.2                             | 95.6     | 98.1     | 99.0     | 99.2     | 99.4     | 99.4     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5    | 99.5    | 99.5    | 99.5    |
| GE 100                | 13.2                             | 95.6     | 98.1     | 99.0     | 99.2     | 99.4     | 99.4     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5    | 99.5    | 99.5    | 99.5    |
| GE 90                 | 13.2                             | 95.6     | 98.1     | 99.0     | 99.2     | 99.4     | 99.4     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5    | 99.5    | 99.5    | 99.5    |
| GE 80                 | 13.2                             | 95.6     | 98.1     | 99.0     | 99.2     | 99.4     | 99.4     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5    | 99.5    | 99.5    | 99.5    |
| GE 70                 | 13.2                             | 95.6     | 98.1     | 99.1     | 99.3     | 99.5     | 99.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 60                 | 13.2                             | 95.6     | 98.1     | 99.1     | 99.3     | 99.5     | 99.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 50                 | 13.2                             | 95.6     | 98.1     | 99.1     | 99.3     | 99.5     | 99.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 40                 | 13.2                             | 95.6     | 98.1     | 99.3     | 99.5     | 99.8     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 30                 | 13.2                             | 95.6     | 98.1     | 99.3     | 99.5     | 99.8     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 20                 | 13.2                             | 95.6     | 98.1     | 99.3     | 99.5     | 99.8     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 10                 | 13.2                             | 95.6     | 98.1     | 99.3     | 99.5     | 99.8     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 0                  | 13.2                             | 95.6     | 98.1     | 99.3     | 99.5     | 99.8     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 872

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VFRSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GT<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 7.0                              | 37.8     | 38.0     | 38.2     | 38.2     | 38.2     | 38.2     | 38.2     | 38.2     | 38.2     | 38.2     | 38.2     | 38.2    | 38.2    | 38.2    | 38.2    |
| GE 2000               | 8.3                              | 46.3     | 46.8     | 46.9     | 46.9     | 46.9     | 46.9     | 46.9     | 46.9     | 46.9     | 46.9     | 46.9     | 46.9    | 46.9    | 46.9    | 46.9    |
| GE 1800               | 8.3                              | 47.2     | 47.7     | 47.8     | 47.8     | 47.8     | 47.8     | 47.8     | 47.8     | 47.8     | 47.8     | 47.8     | 47.8    | 47.8    | 47.8    | 47.8    |
| GE 1600               | 8.3                              | 47.4     | 47.8     | 47.9     | 47.9     | 47.9     | 47.9     | 47.9     | 47.9     | 47.9     | 47.9     | 47.9     | 47.9    | 47.9    | 47.9    | 47.9    |
| GE 1400               | 8.3                              | 47.7     | 48.2     | 48.3     | 48.3     | 48.3     | 48.3     | 48.3     | 48.3     | 48.3     | 48.3     | 48.3     | 48.3    | 48.3    | 48.3    | 48.3    |
| GE 1200               | 9.9                              | 53.4     | 53.9     | 54.0     | 54.0     | 54.0     | 54.0     | 54.0     | 54.0     | 54.0     | 54.0     | 54.0     | 54.0    | 54.0    | 54.0    | 54.0    |
| GE 1000               | 9.9                              | 57.9     | 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    |
| GE 900                | 10.0                             | 59.9     | 60.5     | 60.8     | 60.8     | 60.8     | 60.8     | 60.8     | 60.8     | 60.8     | 60.8     | 60.8     | 60.8    | 60.8    | 60.8    | 60.8    |
| GE 800                | 10.1                             | 60.6     | 61.1     | 61.5     | 61.5     | 61.5     | 61.5     | 61.5     | 61.5     | 61.5     | 61.5     | 61.5     | 61.5    | 61.5    | 61.5    | 61.5    |
| GE 700                | 10.1                             | 60.6     | 61.1     | 61.5     | 61.5     | 61.5     | 61.5     | 61.5     | 61.5     | 61.5     | 61.5     | 61.5     | 61.5    | 61.5    | 61.5    | 61.5    |
| GE 600                | 10.1                             | 60.6     | 61.1     | 61.5     | 61.5     | 61.5     | 61.5     | 61.5     | 61.5     | 61.5     | 61.5     | 61.5     | 61.5    | 61.5    | 61.5    | 61.5    |
| GE 500                | 10.1                             | 71.7     | 72.3     | 72.6     | 72.6     | 72.6     | 72.6     | 72.6     | 72.6     | 72.6     | 72.6     | 72.6     | 72.6    | 72.6    | 72.6    | 72.6    |
| GE 450                | 10.1                             | 72.2     | 72.8     | 73.1     | 73.1     | 73.1     | 73.1     | 73.1     | 73.1     | 73.1     | 73.1     | 73.1     | 73.1    | 73.1    | 73.1    | 73.1    |
| GE 400                | 11.3                             | 82.9     | 83.7     | 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    |
| GE 350                | 11.4                             | 88.4     | 89.3     | 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    |
| GE 300                | 11.5                             | 93.0     | 94.6     | 94.9     | 94.9     | 95.1     | 95.1     | 95.1     | 95.1     | 95.1     | 95.1     | 95.1     | 95.1    | 95.1    | 95.1    | 95.1    |
| GE 250                | 11.7                             | 95.3     | 97.0     | 97.4     | 97.4     | 97.5     | 97.5     | 97.5     | 97.5     | 97.5     | 97.5     | 97.6     | 97.6    | 97.6    | 97.6    | 97.6    |
| GE 200                | 11.7                             | 96.0     | 97.7     | 98.4     | 98.5     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.7     | 98.7    | 98.7    | 98.7    | 98.7    |
| GE 180                | 11.7                             | 96.1     | 97.8     | 98.6     | 98.7     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 99.0     | 99.0     | 99.0    | 99.0    | 99.0    | 99.0    |
| GE 150                | 11.7                             | 96.1     | 97.8     | 98.7     | 98.9     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.1     | 99.1     | 99.1    | 99.1    | 99.1    | 99.1    |
| GE 120                | 11.7                             | 96.6     | 98.3     | 99.2     | 99.3     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.5     | 99.5     | 99.5    | 99.5    | 99.5    | 99.5    |
| GE 100                | 11.7                             | 96.6     | 98.3     | 99.2     | 99.3     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.5     | 99.5     | 99.5    | 99.5    | 99.5    | 99.5    |
| GE 90                 | 11.7                             | 96.6     | 98.3     | 99.2     | 99.3     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.5     | 99.5     | 99.5    | 99.5    | 99.5    | 99.5    |
| GE 80                 | 11.7                             | 96.6     | 98.3     | 99.2     | 99.3     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.5     | 99.5     | 99.5    | 99.5    | 99.5    | 99.5    |
| GE 70                 | 11.7                             | 96.7     | 98.5     | 99.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 60                 | 11.7                             | 96.7     | 98.5     | 99.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 50                 | 11.7                             | 96.7     | 98.5     | 99.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 40                 | 11.7                             | 96.7     | 98.5     | 99.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 30                 | 11.7                             | 96.7     | 98.5     | 99.7     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 20                 | 11.7                             | 96.7     | 98.5     | 99.7     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 10                 | 11.7                             | 96.7     | 98.5     | 99.7     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE CL                 | 11.7                             | 96.7     | 98.5     | 99.7     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 870

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
MONTH: NOV HOURS(LST): 1800-2400

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |       |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|-------|
|                       | GT<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |       |
| NO CEIL               | 6.6                              | 36.5     | 37.1     | 37.3     | 37.4     | 37.4     | 37.6     | 37.6     | 37.6     | 37.6     | 37.6     | 37.6     | 37.6    | 37.6    | 37.6    | 37.6    | 37.6  |
| GE 2000               | 6.9                              | 42.0     | 42.5     | 42.8     | 42.9     | 42.9     | 43.0     | 43.0     | 43.0     | 43.0     | 43.0     | 43.0     | 43.0    | 43.0    | 43.0    | 43.0    | 43.0  |
| GE 1800               | 6.9                              | 43.8     | 44.3     | 44.6     | 44.7     | 44.7     | 44.8     | 44.8     | 44.8     | 44.8     | 44.8     | 44.8     | 44.8    | 44.8    | 44.8    | 44.8    | 44.8  |
| GE 1600               | 6.9                              | 43.9     | 44.5     | 44.7     | 44.8     | 44.8     | 44.9     | 44.9     | 44.9     | 44.9     | 44.9     | 44.9     | 44.9    | 44.9    | 44.9    | 44.9    | 44.9  |
| GE 1400               | 6.9                              | 44.3     | 44.9     | 45.1     | 45.2     | 45.2     | 45.4     | 45.4     | 45.4     | 45.4     | 45.4     | 45.4     | 45.4    | 45.4    | 45.4    | 45.4    | 45.4  |
| GE 1200               | 7.8                              | 49.8     | 50.3     | 50.6     | 50.7     | 50.7     | 50.8     | 50.8     | 50.8     | 50.8     | 50.8     | 50.8     | 50.8    | 50.8    | 50.8    | 50.8    | 50.8  |
| GE 1000               | 7.8                              | 54.5     | 55.2     | 55.4     | 55.5     | 55.5     | 55.7     | 55.7     | 55.7     | 55.7     | 55.7     | 55.7     | 55.7    | 55.7    | 55.7    | 55.7    | 55.7  |
| GE 9700               | 8.0                              | 56.7     | 57.4     | 57.6     | 57.7     | 57.7     | 57.8     | 57.8     | 57.8     | 57.8     | 57.8     | 57.8     | 57.8    | 57.8    | 57.8    | 57.8    | 57.8  |
| GE 8000               | 8.0                              | 57.7     | 58.4     | 58.6     | 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  |
| GE 7000               | 8.0                              | 57.7     | 58.4     | 58.6     | 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  |
| GE 6000               | 8.0                              | 57.7     | 58.4     | 58.6     | 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  |
| GE 5000               | 8.0                              | 75.2     | 75.9     | 76.1     | 76.2     | 76.2     | 76.4     | 76.4     | 76.4     | 76.4     | 76.4     | 76.4     | 76.4    | 76.4    | 76.4    | 76.4    | 76.4  |
| GE 4500               | 8.0                              | 75.6     | 76.2     | 76.5     | 76.6     | 76.6     | 76.7     | 76.7     | 76.7     | 76.7     | 76.7     | 76.7     | 76.7    | 76.7    | 76.7    | 76.7    | 76.7  |
| GE 4000               | 8.7                              | 83.3     | 83.9     | 84.2     | 84.3     | 84.3     | 84.4     | 84.4     | 84.4     | 84.4     | 84.4     | 84.4     | 84.4    | 84.4    | 84.4    | 84.4    | 84.4  |
| GE 3500               | 8.7                              | 88.5     | 89.1     | 89.4     | 89.5     | 89.5     | 89.6     | 89.6     | 89.6     | 89.6     | 89.6     | 89.6     | 89.6    | 89.6    | 89.6    | 89.6    | 89.6  |
| GE 3000               | 8.7                              | 93.0     | 93.9     | 94.2     | 94.5     | 94.5     | 94.6     | 94.6     | 94.6     | 94.6     | 94.6     | 94.6     | 94.6    | 94.6    | 94.6    | 94.6    | 94.6  |
| GE 2500               | 8.7                              | 95.0     | 96.4     | 96.7     | 96.9     | 96.9     | 97.1     | 97.1     | 97.1     | 97.1     | 97.1     | 97.1     | 97.1    | 97.1    | 97.1    | 97.1    | 97.1  |
| GE 2000               | 8.7                              | 95.9     | 97.5     | 98.2     | 98.5     | 98.5     | 98.6     | 98.8     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9    | 98.9    | 98.9    | 98.9    | 98.9  |
| GE 1800               | 8.7                              | 95.9     | 97.5     | 98.2     | 98.5     | 98.5     | 98.6     | 98.8     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9    | 98.9    | 98.9    | 98.9    | 98.9  |
| GE 1500               | 8.7                              | 95.9     | 97.5     | 98.2     | 98.5     | 98.5     | 98.6     | 98.8     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9    | 98.9    | 98.9    | 98.9    | 98.9  |
| GE 1200               | 8.7                              | 96.5     | 98.3     | 99.0     | 99.4     | 99.4     | 99.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    | 99.8  |
| GE 1000               | 8.7                              | 96.5     | 98.3     | 99.0     | 99.4     | 99.4     | 99.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    | 99.8  |
| GE 9000               | 8.7                              | 96.5     | 98.3     | 99.0     | 99.4     | 99.4     | 99.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    | 99.8  |
| GE 8000               | 8.7                              | 96.5     | 98.3     | 99.0     | 99.4     | 99.4     | 99.5     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    | 99.8  |
| GE 7000               | 8.7                              | 96.6     | 98.4     | 99.2     | 99.7     | 99.7     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 6000               | 8.7                              | 96.6     | 98.4     | 99.2     | 99.7     | 99.7     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 5000               | 8.7                              | 96.6     | 98.4     | 99.2     | 99.7     | 99.7     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 4000               | 8.7                              | 96.6     | 98.4     | 99.2     | 99.7     | 99.7     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 3000               | 8.7                              | 96.6     | 98.4     | 99.2     | 99.7     | 99.7     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 2000               | 8.7                              | 96.6     | 98.4     | 99.2     | 99.7     | 99.7     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE 1000               | 8.7                              | 96.6     | 98.4     | 99.2     | 99.7     | 99.7     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |
| GE                    | 8.7                              | 96.6     | 98.4     | 99.2     | 99.7     | 99.7     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 884

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GE<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 5.4                              | 36.2     | 36.4     | 36.4     | 36.5     | 36.5     | 36.5     | 36.5     | 36.7     | 36.7     | 36.7     | 36.7     | 36.7    | 36.7    | 36.7    | 36.7    |
| GE 20000              | 5.4                              | 38.8     | 39.0     | 39.0     | 39.1     | 39.1     | 39.1     | 39.1     | 39.2     | 39.2     | 39.2     | 39.2     | 39.2    | 39.2    | 39.2    | 39.2    |
| GE 18000              | 5.4                              | 39.2     | 39.5     | 39.5     | 39.6     | 39.6     | 39.6     | 39.6     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7    | 39.7    | 39.7    | 39.7    |
| GE 16000              | 5.4                              | 39.2     | 39.5     | 39.5     | 39.6     | 39.6     | 39.6     | 39.6     | 39.7     | 39.7     | 39.7     | 39.7     | 39.7    | 39.7    | 39.7    | 39.7    |
| GE 14000              | 5.4                              | 39.3     | 39.6     | 39.6     | 39.7     | 39.7     | 39.7     | 39.7     | 39.8     | 39.8     | 39.8     | 39.8     | 39.8    | 39.8    | 39.8    | 39.8    |
| GE 12000              | 5.7                              | 44.5     | 44.7     | 44.7     | 44.8     | 44.8     | 44.8     | 44.8     | 45.0     | 45.0     | 45.0     | 45.0     | 45.0    | 45.0    | 45.0    | 45.0    |
| GE 10000              | 5.8                              | 51.7     | 51.9     | 51.9     | 52.0     | 52.0     | 52.0     | 52.0     | 52.1     | 52.1     | 52.1     | 52.1     | 52.1    | 52.1    | 52.1    | 52.1    |
| GE 9000               | 5.8                              | 55.0     | 55.4     | 55.4     | 55.5     | 55.5     | 55.5     | 55.5     | 55.6     | 55.6     | 55.6     | 55.6     | 55.6    | 55.6    | 55.6    | 55.6    |
| GE 8000               | 5.8                              | 56.1     | 56.7     | 56.7     | 56.8     | 56.8     | 56.8     | 56.8     | 57.0     | 57.0     | 57.0     | 57.0     | 57.0    | 57.0    | 57.0    | 57.0    |
| GE 7000               | 5.8                              | 56.3     | 57.0     | 57.0     | 57.1     | 57.1     | 57.1     | 57.1     | 57.2     | 57.2     | 57.2     | 57.2     | 57.2    | 57.2    | 57.2    | 57.2    |
| GE 6000               | 5.8                              | 56.3     | 57.0     | 57.0     | 57.1     | 57.1     | 57.1     | 57.1     | 57.2     | 57.2     | 57.2     | 57.2     | 57.2    | 57.2    | 57.2    | 57.2    |
| GE 5000               | 5.8                              | 78.7     | 79.4     | 79.4     | 79.5     | 79.5     | 79.5     | 79.5     | 79.6     | 79.6     | 79.6     | 79.6     | 79.6    | 79.6    | 79.6    | 79.6    |
| GE 4500               | 5.9                              | 79.1     | 79.8     | 79.8     | 79.9     | 79.9     | 79.9     | 79.9     | 80.0     | 80.0     | 80.0     | 80.0     | 80.0    | 80.0    | 80.0    | 80.0    |
| GE 4000               | 6.1                              | 85.8     | 86.5     | 86.5     | 86.7     | 86.7     | 86.7     | 86.7     | 86.8     | 86.8     | 86.8     | 86.8     | 86.8    | 86.8    | 86.8    | 86.8    |
| GE 3500               | 6.1                              | 90.5     | 91.3     | 91.3     | 91.4     | 91.4     | 91.4     | 91.4     | 91.5     | 91.5     | 91.5     | 91.5     | 91.5    | 91.5    | 91.5    | 91.5    |
| GE 3000               | 6.1                              | 94.7     | 95.6     | 95.6     | 95.7     | 95.7     | 95.7     | 95.7     | 95.9     | 95.9     | 95.9     | 95.9     | 95.9    | 95.9    | 95.9    | 95.9    |
| GE 2500               | 6.2                              | 96.3     | 97.4     | 97.6     | 97.8     | 97.8     | 97.8     | 97.8     | 97.9     | 97.9     | 97.9     | 97.9     | 97.9    | 97.9    | 97.9    | 97.9    |
| GE 2000               | 6.2                              | 96.9     | 98.2     | 98.7     | 98.8     | 98.8     | 98.8     | 98.8     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9    | 98.9    | 98.9    | 98.9    |
| GE 1800               | 6.2                              | 96.9     | 98.2     | 98.7     | 98.8     | 98.8     | 98.8     | 98.8     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9    | 98.9    | 98.9    | 98.9    |
| GE 1500               | 6.2                              | 97.0     | 98.3     | 98.8     | 98.9     | 98.9     | 98.9     | 98.9     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0    | 99.0    | 99.0    | 99.0    |
| GE 1200               | 6.2                              | 97.3     | 98.8     | 99.4     | 99.6     | 99.6     | 99.6     | 99.6     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.7    | 99.7    |
| GE 1000               | 6.2                              | 97.3     | 98.8     | 99.4     | 99.6     | 99.6     | 99.6     | 99.6     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.7    | 99.7    |
| GE 900                | 6.2                              | 97.3     | 98.8     | 99.4     | 99.6     | 99.6     | 99.6     | 99.6     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.7    | 99.7    |
| GE 800                | 6.2                              | 97.3     | 98.8     | 99.4     | 99.6     | 99.6     | 99.6     | 99.6     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.7    | 99.7    |
| GE 700                | 6.2                              | 97.5     | 99.0     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 600                | 6.2                              | 97.5     | 99.0     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 500                | 6.2                              | 97.5     | 99.0     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 400                | 6.2                              | 97.5     | 99.0     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 300                | 6.2                              | 97.5     | 99.0     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 200                | 6.2                              | 97.5     | 99.0     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 100                | 6.2                              | 97.5     | 99.0     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 0                  | 6.2                              | 97.5     | 99.0     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 892



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GE<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 5.9                              | 37.0     | 37.8     | 38.0     | 38.0     | 38.0     | 38.0     | 38.0     | 38.0     | 38.0     | 38.0     | 38.0     | 38.0    | 38.1    | 38.1    | 38.1    |
| GE 2000               | 6.4                              | 42.1     | 43.3     | 43.5     | 43.5     | 43.5     | 43.5     | 43.5     | 43.6     | 43.6     | 43.6     | 43.6     | 43.6    | 43.6    | 43.6    | 43.6    |
| GE 1800               | 6.4                              | 42.9     | 44.0     | 44.3     | 44.3     | 44.3     | 44.3     | 44.3     | 44.3     | 44.3     | 44.3     | 44.3     | 44.3    | 44.3    | 44.4    | 44.4    |
| GE 1600               | 6.4                              | 42.9     | 44.1     | 44.3     | 44.3     | 44.3     | 44.3     | 44.4     | 44.4     | 44.4     | 44.4     | 44.4     | 44.4    | 44.4    | 44.4    | 44.4    |
| GE 1400               | 6.4                              | 43.1     | 44.2     | 44.4     | 44.5     | 44.5     | 44.5     | 44.5     | 44.5     | 44.5     | 44.5     | 44.5     | 44.5    | 44.5    | 44.5    | 44.6    |
| GE 1200               | 7.4                              | 48.2     | 49.4     | 49.7     | 49.7     | 49.7     | 49.7     | 49.7     | 49.7     | 49.7     | 49.7     | 49.7     | 49.7    | 49.7    | 49.8    | 49.8    |
| GE 1000               | 7.4                              | 53.1     | 54.4     | 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    |
| GE 900                | 7.5                              | 55.9     | 57.2     | 57.5     | 57.5     | 57.5     | 57.5     | 57.6     | 57.6     | 57.6     | 57.6     | 57.6     | 57.6    | 57.6    | 57.6    | 57.6    |
| GE 800                | 7.5                              | 57.1     | 58.5     | 58.8     | 58.8     | 58.8     | 58.8     | 58.8     | 58.9     | 58.9     | 58.9     | 58.9     | 58.9    | 58.9    | 58.9    | 58.9    |
| GE 700                | 7.5                              | 57.3     | 58.7     | 59.0     | 59.0     | 59.0     | 59.0     | 59.0     | 59.1     | 59.1     | 59.1     | 59.1     | 59.1    | 59.1    | 59.1    | 59.1    |
| GE 600                | 7.5                              | 57.3     | 58.7     | 59.0     | 59.0     | 59.0     | 59.0     | 59.0     | 59.1     | 59.1     | 59.1     | 59.1     | 59.1    | 59.1    | 59.1    | 59.1    |
| GE 500                | 7.5                              | 74.9     | 76.3     | 76.6     | 76.6     | 76.6     | 76.6     | 76.6     | 76.7     | 76.7     | 76.7     | 76.7     | 76.7    | 76.7    | 76.7    | 76.7    |
| GE 450                | 7.6                              | 75.5     | 76.9     | 77.2     | 77.2     | 77.2     | 77.2     | 77.2     | 77.3     | 77.3     | 77.3     | 77.3     | 77.3    | 77.3    | 77.3    | 77.3    |
| GE 400                | 8.3                              | 84.0     | 85.4     | 85.7     | 85.8     | 85.8     | 85.8     | 85.8     | 85.8     | 85.8     | 85.8     | 85.8     | 85.8    | 85.8    | 85.9    | 85.9    |
| GE 350                | 8.4                              | 88.3     | 89.8     | 90.1     | 90.2     | 90.2     | 90.2     | 90.2     | 90.2     | 90.2     | 90.2     | 90.2     | 90.2    | 90.2    | 90.2    | 90.3    |
| GE 300                | 9.5                              | 92.5     | 94.3     | 94.8     | 94.9     | 94.9     | 94.9     | 95.0     | 95.0     | 95.0     | 95.0     | 95.0     | 95.0    | 95.0    | 95.0    | 95.0    |
| GE 250                | 8.7                              | 94.4     | 96.3     | 96.9     | 97.1     | 97.1     | 97.1     | 97.2     | 97.2     | 97.2     | 97.2     | 97.2     | 97.2    | 97.2    | 97.2    | 97.3    |
| GE 200                | 8.7                              | 95.5     | 97.5     | 98.3     | 98.5     | 98.5     | 98.6     | 98.6     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7    | 98.7    | 98.7    | 98.7    |
| GE 180                | 8.7                              | 95.5     | 97.6     | 98.4     | 98.6     | 98.6     | 98.6     | 98.7     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8    | 98.8    | 98.8    | 98.8    |
| GE 150                | 8.7                              | 95.6     | 97.7     | 98.5     | 98.7     | 98.8     | 98.8     | 98.9     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0    | 99.0    | 99.0    | 99.0    |
| GE 120                | 8.7                              | 96.1     | 98.2     | 99.1     | 99.4     | 99.5     | 99.5     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.7    | 99.7    | 99.7    |
| GE 100                | 8.7                              | 96.1     | 98.2     | 99.1     | 99.4     | 99.5     | 99.5     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.7    | 99.7    | 99.7    |
| GE 90                 | 8.7                              | 96.1     | 98.2     | 99.1     | 99.4     | 99.5     | 99.5     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.7    | 99.7    | 99.7    |
| GE 80                 | 8.7                              | 96.1     | 98.2     | 99.1     | 99.4     | 99.5     | 99.5     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.7    | 99.7    | 99.7    |
| GE 70                 | 8.7                              | 96.3     | 98.4     | 99.3     | 99.6     | 99.7     | 99.7     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 60                 | 8.7                              | 96.3     | 98.4     | 99.3     | 99.6     | 99.7     | 99.7     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 50                 | 8.7                              | 96.3     | 98.4     | 99.3     | 99.6     | 99.7     | 99.7     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 40                 | 8.7                              | 96.3     | 98.4     | 99.4     | 99.6     | 99.7     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 30                 | 8.7                              | 96.3     | 98.4     | 99.4     | 99.6     | 99.7     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 20                 | 8.7                              | 96.3     | 98.4     | 99.4     | 99.6     | 99.7     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 10                 | 8.7                              | 96.3     | 98.4     | 99.4     | 99.7     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 0                  | 8.7                              | 96.3     | 98.4     | 99.4     | 99.7     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 7011

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM FOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GE<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 3.6                              | 36.0     | 36.4     | 36.4     | 36.5     | 36.5     | 36.5     | 36.5     | 36.5     | 36.5     | 36.5     | 36.5     | 36.5    | 36.5    | 36.5    | 36.5    |
| GE 20000              | 3.9                              | 38.8     | 39.1     | 39.1     | 39.2     | 39.2     | 39.2     | 39.2     | 39.2     | 39.2     | 39.2     | 39.2     | 39.2    | 39.2    | 39.2    | 39.2    |
| GE 18000              | 3.9                              | 39.5     | 39.9     | 40.0     | 40.1     | 40.1     | 40.1     | 40.1     | 40.1     | 40.1     | 40.1     | 40.1     | 40.1    | 40.1    | 40.1    | 40.1    |
| GE 16000              | 3.9                              | 39.5     | 39.9     | 40.0     | 40.1     | 40.1     | 40.1     | 40.1     | 40.1     | 40.1     | 40.1     | 40.1     | 40.1    | 40.1    | 40.1    | 40.1    |
| GE 14000              | 3.9                              | 39.5     | 39.9     | 40.0     | 40.1     | 40.1     | 40.1     | 40.1     | 40.1     | 40.1     | 40.1     | 40.1     | 40.1    | 40.1    | 40.1    | 40.1    |
| GE 12000              | 4.5                              | 45.2     | 45.6     | 45.7     | 45.8     | 45.8     | 45.8     | 45.8     | 45.8     | 45.8     | 45.8     | 45.8     | 45.8    | 45.8    | 45.8    | 45.8    |
| GE 10000              | 4.5                              | 50.1     | 50.4     | 50.5     | 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 9000               | 4.5                              | 55.3     | 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    |
| GE 8000               | 4.5                              | 56.6     | 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    |
| GE 7000               | 4.5                              | 56.6     | 57.1     | 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    |
| GE 6000               | 4.5                              | 56.6     | 57.1     | 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    |
| GE 5000               | 4.5                              | 77.0     | 77.4     | 77.7     | 77.8     | 77.8     | 77.8     | 77.8     | 77.8     | 77.6     | 77.8     | 77.8     | 77.8    | 77.8    | 77.8    | 77.8    |
| GE 4500               | 4.5                              | 77.2     | 77.7     | 77.9     | 78.0     | 78.0     | 78.0     | 78.0     | 78.0     | 78.0     | 78.0     | 78.0     | 78.0    | 78.0    | 78.0    | 78.0    |
| GE 4000               | 5.3                              | 86.0     | 86.5     | 86.9     | 87.1     | 87.1     | 87.1     | 87.1     | 87.1     | 87.1     | 87.1     | 87.1     | 87.1    | 87.1    | 87.1    | 87.1    |
| GE 3500               | 5.3                              | 90.3     | 91.2     | 91.6     | 91.8     | 91.8     | 91.8     | 91.8     | 91.8     | 91.8     | 91.8     | 91.8     | 91.8    | 91.8    | 91.8    | 91.8    |
| GE 3000               | 5.3                              | 94.4     | 95.5     | 95.8     | 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 2500               | 5.3                              | 95.2     | 96.6     | 97.4     | 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 2000               | 5.3                              | 95.9     | 97.6     | 98.4     | 98.6     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7    | 98.7    | 98.7    | 98.7    |
| GE 1800               | 5.3                              | 96.2     | 97.8     | 98.6     | 98.8     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9    | 98.9    | 98.9    | 98.9    |
| GE 1500               | 5.3                              | 96.5     | 98.1     | 98.9     | 99.1     | 99.2     | 99.2     | 99.2     | 99.2     | 99.2     | 99.2     | 99.2     | 99.2    | 99.2    | 99.2    | 99.2    |
| GE 1200               | 5.3                              | 96.9     | 98.7     | 99.6     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 1000               | 5.3                              | 97.0     | 98.8     | 99.7     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 900                | 5.3                              | 97.0     | 98.8     | 99.7     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 800                | 5.3                              | 97.0     | 98.8     | 99.7     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 700                | 5.3                              | 97.0     | 98.8     | 99.7     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 600                | 5.3                              | 97.0     | 98.8     | 99.7     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 500                | 5.3                              | 97.0     | 98.8     | 99.7     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 400                | 5.3                              | 97.0     | 98.8     | 99.7     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 300                | 5.3                              | 97.0     | 98.8     | 99.7     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 200                | 5.3                              | 97.0     | 98.8     | 99.7     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 100                | 5.3                              | 97.0     | 98.8     | 99.7     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 0                  | 5.3                              | 97.0     | 98.8     | 99.7     | 99.9     | 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: 913

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: DEC HOURS(LOCAL): 0300-0500

| NO       | CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|----------|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|          |                       | GT<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
|          |                       | 3.2                              | 35.9     | 36.2     | 36.2     | 36.2     | 36.2     | 36.2     | 36.2     | 36.2     | 36.2     | 36.2     | 36.2     | 36.2    | 36.2    | 36.2    | 36.2    |
| GE 20000 | 3.5                   | 40.3                             | 40.8     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8     | 40.8    | 40.8    | 40.8    | 40.6    |
| GE 18000 | 3.5                   | 40.7                             | 41.1     | 41.1     | 41.1     | 41.1     | 41.1     | 41.1     | 41.1     | 41.1     | 41.1     | 41.1     | 41.1     | 41.1    | 41.1    | 41.1    | 41.1    |
| GE 16000 | 3.5                   | 40.7                             | 41.1     | 41.1     | 41.1     | 41.1     | 41.1     | 41.1     | 41.1     | 41.1     | 41.1     | 41.1     | 41.1     | 41.1    | 41.1    | 41.1    | 41.1    |
| GE 14000 | 3.5                   | 40.7                             | 41.1     | 41.1     | 41.1     | 41.1     | 41.1     | 41.1     | 41.1     | 41.1     | 41.1     | 41.1     | 41.1     | 41.1    | 41.1    | 41.1    | 41.1    |
| GE 12000 | 4.3                   | 46.1                             | 46.5     | 46.5     | 46.5     | 46.5     | 46.5     | 46.5     | 46.5     | 46.5     | 46.5     | 46.5     | 46.5     | 46.5    | 46.5    | 46.5    | 46.5    |
| GE 10000 | 4.4                   | 52.6                             | 53.0     | 53.0     | 53.0     | 53.0     | 53.0     | 53.0     | 53.0     | 53.0     | 53.0     | 53.0     | 53.0     | 53.0    | 53.0    | 53.0    | 53.0    |
| GE 9000  | 4.4                   | 56.8                             | 57.2     | 57.2     | 57.2     | 57.2     | 57.2     | 57.2     | 57.2     | 57.2     | 57.2     | 57.2     | 57.2     | 57.2    | 57.2    | 57.2    | 57.2    |
| GE 8000  | 4.4                   | 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    |
| GE 7000  | 4.4                   | 58.3                             | 58.8     | 58.8     | 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    |
| GE 6000  | 4.4                   | 58.3                             | 58.8     | 58.8     | 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    |
| GE 5000  | 4.4                   | 77.9                             | 78.3     | 78.3     | 78.3     | 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 4500  | 4.4                   | 77.9                             | 78.3     | 78.3     | 78.3     | 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 4000  | 4.5                   | 85.3                             | 85.9     | 86.0     | 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    |
| GE 3500  | 4.5                   | 89.8                             | 90.4     | 90.7     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8    | 90.8    | 90.8    | 90.8    |
| GE 3000  | 4.5                   | 94.9                             | 96.2     | 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 2500  | 4.5                   | 95.4                             | 97.1     | 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    | 98.0    |
| GE 2000  | 4.5                   | 95.8                             | 97.6     | 98.3     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7    | 98.7    | 98.7    | 98.7    |
| GE 1800  | 4.5                   | 95.8                             | 97.6     | 98.3     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7    | 98.7    | 98.7    | 98.7    |
| GE 1500  | 4.5                   | 95.8                             | 97.6     | 98.3     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7    | 98.7    | 98.7    | 98.7    |
| GE 1200  | 4.5                   | 96.4                             | 98.3     | 99.1     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4    | 99.4    | 99.4    | 99.4    |
| GE 1000  | 4.5                   | 96.5                             | 98.5     | 99.2     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.6    |
| GE 900   | 4.5                   | 96.5                             | 98.5     | 99.2     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.6    |
| GE 800   | 4.5                   | 96.5                             | 98.5     | 99.2     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.6    |
| GE 700   | 4.5                   | 96.7                             | 98.8     | 99.6     | 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    |
| GE 600   | 4.5                   | 96.7                             | 98.8     | 99.6     | 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    |
| GE 500   | 4.5                   | 96.7                             | 98.8     | 99.6     | 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    |
| GE 400   | 4.5                   | 96.8                             | 98.9     | 99.7     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 300   | 4.5                   | 96.8                             | 98.9     | 99.7     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 200   | 4.5                   | 96.8                             | 98.9     | 99.7     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 100   | 4.5                   | 96.8                             | 98.9     | 99.7     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 0     | 4.5                   | 96.8                             | 98.9     | 99.7     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 905

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | GT<br>160 | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|-----------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       |           | GE<br>90                         | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 4.4       | 33.7                             | 34.3     | 34.6     | 34.6     | 34.6     | 34.6     | 34.6     | 34.6     | 34.6     | 34.6     | 34.6     | 34.6    | 34.6    | 34.6    | 34.6    |
| GE 2000               | 5.4       | 39.5                             | 40.2     | 40.5     | 40.5     | 40.5     | 40.5     | 40.5     | 40.5     | 40.5     | 40.5     | 40.5     | 40.5    | 40.5    | 40.5    | 40.5    |
| GE 1800               | 5.4       | 40.2                             | 40.8     | 41.2     | 41.2     | 41.2     | 41.2     | 41.2     | 41.2     | 41.2     | 41.2     | 41.2     | 41.2    | 41.2    | 41.2    | 41.2    |
| GE 1600               | 5.4       | 40.2                             | 40.8     | 41.2     | 41.2     | 41.2     | 41.2     | 41.2     | 41.2     | 41.2     | 41.2     | 41.2     | 41.2    | 41.2    | 41.2    | 41.2    |
| GE 1400               | 5.4       | 40.3                             | 41.0     | 41.3     | 41.3     | 41.3     | 41.3     | 41.3     | 41.3     | 41.3     | 41.3     | 41.3     | 41.3    | 41.3    | 41.3    | 41.3    |
| GE 1200               | 6.3       | 44.5                             | 45.5     | 45.8     | 45.8     | 45.8     | 45.8     | 45.8     | 45.8     | 45.8     | 45.8     | 45.8     | 45.8    | 45.8    | 45.8    | 45.8    |
| GE 1000               | 6.7       | 52.8                             | 53.8     | 54.2     | 54.2     | 54.2     | 54.2     | 54.2     | 54.2     | 54.2     | 54.2     | 54.2     | 54.2    | 54.2    | 54.2    | 54.2    |
| GE 900                | 7.0       | 58.6                             | 59.6     | 59.9     | 59.9     | 59.9     | 59.9     | 59.9     | 59.9     | 59.9     | 59.9     | 59.9     | 59.9    | 59.9    | 59.9    | 59.9    |
| GE 800                | 7.2       | 60.2                             | 61.3     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6    | 61.6    | 61.6    | 61.6    |
| GE 700                | 7.3       | 60.3                             | 61.4     | 61.7     | 61.7     | 61.7     | 61.7     | 61.7     | 61.7     | 61.7     | 61.7     | 61.7     | 61.7    | 61.7    | 61.7    | 61.7    |
| GE 600                | 7.3       | 60.3                             | 61.4     | 61.7     | 61.7     | 61.7     | 61.7     | 61.7     | 61.7     | 61.7     | 61.7     | 61.7     | 61.7    | 61.7    | 61.7    | 61.7    |
| GE 500                | 7.3       | 77.9                             | 79.0     | 79.4     | 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 450                | 7.3       | 77.9                             | 79.0     | 79.4     | 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 400                | 7.7       | 84.7                             | 85.8     | 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 350                | 7.9       | 87.9                             | 89.0     | 89.8     | 89.9     | 89.9     | 89.9     | 89.9     | 89.9     | 89.9     | 89.9     | 89.9     | 89.9    | 89.9    | 89.9    | 89.9    |
| GE 300                | 8.0       | 92.9                             | 94.5     | 95.4     | 95.6     | 95.6     | 95.6     | 95.6     | 95.6     | 95.6     | 95.6     | 95.6     | 95.6    | 95.6    | 95.6    | 95.6    |
| GE 250                | 8.2       | 94.6                             | 96.2     | 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    |
| GE 200                | 8.2       | 95.3                             | 97.1     | 98.2     | 98.4     | 98.4     | 98.4     | 98.4     | 98.4     | 98.4     | 98.4     | 98.4     | 98.4    | 98.4    | 98.4    | 98.4    |
| GE 180                | 8.2       | 95.3                             | 97.1     | 98.2     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6    | 98.6    | 98.6    | 98.6    |
| GE 160                | 8.2       | 95.4                             | 97.2     | 98.3     | 98.7     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8    | 98.8    | 98.8    | 98.8    |
| GE 120                | 8.2       | 95.7                             | 97.6     | 98.9     | 99.2     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.3    |
| GE 100                | 8.2       | 95.7                             | 97.6     | 98.9     | 99.2     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.3    |
| GE 80                 | 8.2       | 95.7                             | 97.6     | 98.9     | 99.2     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.3    |
| GE 70                 | 8.2       | 96.1                             | 98.0     | 99.3     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 60                 | 9.2       | 96.1                             | 98.0     | 99.3     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 50                 | 8.3       | 96.2                             | 98.1     | 99.4     | 99.8     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 40                 | 8.3       | 96.2                             | 98.1     | 99.4     | 99.8     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 30                 | 8.3       | 96.2                             | 98.1     | 99.4     | 99.8     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 20                 | 8.3       | 96.2                             | 98.1     | 99.4     | 99.8     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 10                 | 8.3       | 96.2                             | 98.1     | 99.4     | 99.8     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 0                  | 8.3       | 96.2                             | 98.1     | 99.4     | 99.8     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 901

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | GT<br>160 | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |         |         |         |         |  |
|-----------------------|-----------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|--|
|                       |           | GE<br>90                         | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |  |
| NO CEIL               | 6.8       | 34.2                             | 35.3     | 35.9     | 35.9     | 35.9     | 35.9     | 35.9     | 35.9     | 35.9     | 35.9     | 35.9     | 35.9    | 35.9    | 35.9    | 35.9    |  |
| GE 2000               | 8.1       | 43.2                             | 44.7     | 45.4     | 45.4     | 45.4     | 45.4     | 45.4     | 45.4     | 45.4     | 45.4     | 45.4     | 45.4    | 45.4    | 45.4    | 45.4    |  |
| GE 1800               | 8.1       | 44.4                             | 46.4     | 47.0     | 47.0     | 47.0     | 47.0     | 47.0     | 47.0     | 47.0     | 47.0     | 47.0     | 47.0    | 47.0    | 47.0    | 47.0    |  |
| GE 1600               | 8.1       | 44.4                             | 46.4     | 47.0     | 47.0     | 47.0     | 47.0     | 47.0     | 47.0     | 47.0     | 47.0     | 47.0     | 47.0    | 47.0    | 47.0    | 47.0    |  |
| GE 1400               | 8.1       | 44.6                             | 46.6     | 47.2     | 47.2     | 47.2     | 47.2     | 47.2     | 47.2     | 47.2     | 47.2     | 47.2     | 47.2    | 47.2    | 47.2    | 47.2    |  |
| GE 1200               | 9.6       | 50.3                             | 52.6     | 53.8     | 53.8     | 53.8     | 53.8     | 53.8     | 53.8     | 53.8     | 53.8     | 53.8     | 53.8    | 53.8    | 53.8    | 53.8    |  |
| GE 1000               | 10.0      | 54.5                             | 57.1     | 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    |  |
| GE 900                | 10.3      | 58.7                             | 61.5     | 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    |  |
| GE 800                | 10.5      | 61.3                             | 64.1     | 65.6     | 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 700                | 10.5      | 61.3                             | 64.1     | 65.6     | 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 600                | 10.5      | 61.3                             | 64.1     | 65.6     | 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                | 10.5      | 73.3                             | 76.2     | 77.6     | 77.6     | 77.6     | 77.6     | 77.6     | 77.6     | 77.6     | 77.6     | 77.6     | 77.6    | 77.6    | 77.6    | 77.6    |  |
| GE 450                | 10.5      | 73.7                             | 76.7     | 78.1     | 78.1     | 78.1     | 78.1     | 78.1     | 78.1     | 78.1     | 78.1     | 78.1     | 78.1    | 78.1    | 78.1    | 78.1    |  |
| GE 400                | 11.6      | 80.5                             | 83.6     | 85.0     | 85.1     | 85.1     | 85.1     | 85.1     | 85.1     | 85.1     | 85.1     | 85.1     | 85.1    | 85.1    | 85.1    | 85.1    |  |
| GE 350                | 11.7      | 83.9                             | 87.0     | 88.4     | 88.5     | 88.5     | 88.5     | 88.5     | 88.5     | 88.5     | 88.5     | 88.5     | 88.5    | 88.5    | 88.5    | 88.5    |  |
| GE 300                | 11.9      | 88.2                             | 91.9     | 93.7     | 93.8     | 93.8     | 93.8     | 93.8     | 93.8     | 93.8     | 93.8     | 93.8     | 93.8    | 93.8    | 93.8    | 93.8    |  |
| GE 250                | 12.0      | 90.9                             | 95.0     | 96.8     | 96.9     | 97.0     | 97.0     | 97.1     | 97.1     | 97.1     | 97.1     | 97.1     | 97.1    | 97.1    | 97.1    | 97.1    |  |
| GE 200                | 12.0      | 91.7                             | 95.9     | 98.2     | 98.5     | 98.6     | 98.6     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7    | 98.7    | 98.7    | 98.7    |  |
| GE 180                | 12.0      | 91.8                             | 96.0     | 98.3     | 98.6     | 98.7     | 98.7     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8    | 98.8    | 98.8    | 98.8    |  |
| GE 150                | 12.0      | 91.9                             | 96.1     | 98.5     | 98.8     | 98.9     | 98.9     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0    | 99.0    | 99.0    | 99.0    |  |
| GE 120                | 12.1      | 92.4                             | 96.6     | 98.9     | 99.2     | 99.3     | 99.3     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4    | 99.4    | 99.4    | 99.4    |  |
| GE 100                | 12.1      | 92.4                             | 96.6     | 98.9     | 99.2     | 99.3     | 99.3     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4    | 99.4    | 99.4    | 99.4    |  |
| GE 90                 | 12.1      | 92.4                             | 96.6     | 98.9     | 99.2     | 99.3     | 99.3     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4    | 99.4    | 99.4    | 99.4    |  |
| GE 80                 | 12.1      | 92.4                             | 96.6     | 98.9     | 99.2     | 99.3     | 99.3     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4    | 99.4    | 99.4    | 99.4    |  |
| GE 70                 | 12.1      | 92.7                             | 96.9     | 99.2     | 99.6     | 99.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |  |
| GE 60                 | 12.1      | 92.7                             | 96.9     | 99.2     | 99.6     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |  |
| GE 50                 | 12.1      | 92.7                             | 96.9     | 99.2     | 99.6     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |  |
| GE 40                 | 12.1      | 92.7                             | 96.9     | 99.2     | 99.6     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |  |
| GE 30                 | 12.1      | 92.7                             | 96.9     | 99.2     | 99.6     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |  |
| GE 20                 | 12.1      | 92.7                             | 96.9     | 99.2     | 99.6     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |  |
| GE 10                 | 12.1      | 92.7                             | 96.9     | 99.2     | 99.6     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |  |
| GE 0                  | 12.1      | 92.7                             | 96.9     | 99.2     | 99.6     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |  |

TOTAL NUMBER OF OBSERVATIONS: 906

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87

MONTH: DEC

HOURS(LST): 1200-1400

| CEILING<br>IN<br>FEET | GT   | VISIBILITY IN HUNDREDS OF METERS |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-----------------------|------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                       |      | GE 160                           | GE 90 | GE 80 | GE 60 | GE 48 | GE 40 | GE 32 | GE 24 | GE 20 | GE 16 | GE 12 | GE 10 | GE 8  | GE 5  | GE 4  | GE 0  |
| NO CEIL               | 8.9  | 36.0                             | 36.5  | 36.7  | 36.9  | 36.9  | 36.9  | 36.9  | 36.9  | 36.9  | 36.9  | 36.9  | 36.9  | 36.9  | 36.9  | 36.9  | 36.9  |
| GE 2000               | 10.2 | 44.9                             | 45.3  | 45.7  | 46.0  | 46.0  | 46.0  | 46.0  | 46.0  | 46.0  | 46.0  | 46.0  | 46.0  | 46.0  | 46.0  | 46.0  | 46.0  |
| GE 1800               | 10.2 | 46.1                             | 46.8  | 47.2  | 47.4  | 47.4  | 47.4  | 47.4  | 47.4  | 47.4  | 47.4  | 47.4  | 47.4  | 47.4  | 47.4  | 47.4  | 47.4  |
| GE 1600               | 10.2 | 46.2                             | 46.9  | 47.3  | 47.5  | 47.5  | 47.5  | 47.5  | 47.5  | 47.5  | 47.5  | 47.5  | 47.5  | 47.5  | 47.5  | 47.5  | 47.5  |
| GE 1400               | 10.2 | 46.6                             | 47.3  | 47.8  | 48.0  | 48.0  | 48.0  | 48.0  | 48.0  | 48.0  | 48.0  | 48.0  | 48.0  | 48.0  | 48.0  | 48.0  | 48.0  |
| GE 1200               | 13.1 | 53.8                             | 54.5  | 55.0  | 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  |
| GE 1000               | 13.6 | 59.1                             | 59.7  | 60.5  | 60.7  | 60.7  | 60.7  | 60.7  | 60.7  | 60.7  | 60.7  | 60.7  | 60.7  | 60.7  | 60.7  | 60.7  | 60.7  |
| GE 900                | 14.0 | 63.6                             | 64.5  | 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  |
| GE 800                | 14.0 | 65.0                             | 65.9  | 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  | 66.9  |
| GE 700                | 14.0 | 65.1                             | 66.0  | 66.8  | 67.0  | 67.1  | 67.1  | 67.1  | 67.1  | 67.1  | 67.1  | 67.1  | 67.1  | 67.1  | 67.1  | 67.1  | 67.1  |
| GE 600                | 14.0 | 65.1                             | 66.0  | 66.8  | 67.0  | 67.1  | 67.1  | 67.1  | 67.1  | 67.1  | 67.1  | 67.1  | 67.1  | 67.1  | 67.1  | 67.1  | 67.1  |
| GE 500                | 14.0 | 73.3                             | 74.2  | 74.9  | 75.2  | 75.3  | 75.3  | 75.3  | 75.3  | 75.3  | 75.3  | 75.3  | 75.3  | 75.3  | 75.3  | 75.3  | 75.3  |
| GE 450                | 14.1 | 74.0                             | 74.9  | 75.7  | 76.0  | 76.1  | 76.1  | 76.1  | 76.1  | 76.1  | 76.1  | 76.1  | 76.1  | 76.1  | 76.1  | 76.1  | 76.1  |
| GE 400                | 15.8 | 82.2                             | 83.3  | 84.1  | 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  |
| GE 350                | 16.0 | 86.0                             | 87.1  | 88.0  | 88.3  | 88.4  | 88.4  | 88.4  | 88.4  | 88.4  | 88.4  | 88.4  | 88.4  | 88.4  | 88.4  | 88.4  | 88.4  |
| GE 300                | 16.0 | 90.8                             | 92.5  | 94.1  | 94.4  | 94.5  | 94.5  | 94.5  | 94.5  | 94.6  | 94.6  | 94.6  | 94.6  | 94.6  | 94.6  | 94.6  | 94.6  |
| GE 250                | 16.1 | 92.8                             | 95.1  | 96.8  | 97.2  | 97.4  | 97.4  | 97.4  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  |
| GE 200                | 16.1 | 93.5                             | 95.7  | 97.8  | 98.2  | 98.5  | 98.5  | 98.5  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  |
| GE 180                | 16.1 | 93.5                             | 95.7  | 97.8  | 98.2  | 98.5  | 98.5  | 98.5  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  |
| GE 150                | 16.1 | 93.5                             | 95.7  | 97.8  | 98.2  | 98.5  | 98.5  | 98.5  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  |
| GE 120                | 16.1 | 94.0                             | 96.3  | 98.4  | 98.9  | 99.2  | 99.2  | 99.2  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  |
| GE 100                | 16.1 | 94.0                             | 96.3  | 98.4  | 98.9  | 99.2  | 99.2  | 99.2  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  |
| GE 90                 | 16.1 | 94.0                             | 96.3  | 98.4  | 98.9  | 99.2  | 99.2  | 99.2  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  |
| GE 80                 | 16.1 | 94.2                             | 96.5  | 98.7  | 99.2  | 99.6  | 99.6  | 99.6  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  |
| GE 60                 | 16.1 | 94.2                             | 96.5  | 98.7  | 99.3  | 99.8  | 99.8  | 99.8  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  |
| GE 50                 | 16.1 | 94.2                             | 96.5  | 98.7  | 99.3  | 99.8  | 99.8  | 99.8  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  |
| GE 40                 | 16.1 | 94.3                             | 96.6  | 98.8  | 99.4  | 99.9  | 99.9  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 30                 | 16.1 | 94.3                             | 96.6  | 98.8  | 99.4  | 99.9  | 99.9  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 20                 | 16.1 | 94.3                             | 96.6  | 98.8  | 99.4  | 99.9  | 99.9  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 10                 | 16.1 | 94.3                             | 96.6  | 98.8  | 99.4  | 99.9  | 99.9  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0                  | 16.1 | 94.3                             | 96.6  | 98.8  | 99.4  | 99.9  | 99.9  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 894

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: DEC HOURS(UT): 1500-1700

| CEILING<br>IN<br>FEET | GT<br>160 | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|-----------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       |           | GE<br>90                         | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 8.2       | 33.9                             | 33.9     | 34.2     | 34.2     | 34.2     | 34.2     | 34.2     | 34.2     | 34.2     | 34.2     | 34.2     | 34.2    | 34.2    | 34.2    | 34.2    |
| GE 2000               | 9.8       | 42.3                             | 42.3     | 42.6     | 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 1800               | 9.8       | 43.5                             | 43.5     | 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 1600               | 9.8       | 43.6                             | 43.6     | 44.0     | 44.0     | 44.0     | 44.0     | 44.0     | 44.0     | 44.0     | 44.0     | 44.0     | 44.0    | 44.0    | 44.0    | 44.0    |
| GE 1400               | 9.8       | 44.0                             | 44.0     | 44.3     | 44.3     | 44.3     | 44.3     | 44.3     | 44.3     | 44.3     | 44.3     | 44.3     | 44.3    | 44.3    | 44.3    | 44.3    |
| GE 1200               | 12.9      | 51.0                             | 51.0     | 51.3     | 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 1000               | 12.9      | 55.3                             | 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    |
| GE 900                | 12.9      | 58.9                             | 58.9     | 59.3     | 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 800                | 13.0      | 61.2                             | 61.2     | 61.5     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6    | 61.6    | 61.6    | 61.6    |
| GE 700                | 13.0      | 61.2                             | 61.2     | 61.5     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6    | 61.6    | 61.6    | 61.6    |
| GE 600                | 13.0      | 61.2                             | 61.2     | 61.5     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6    | 61.6    | 61.6    | 61.6    |
| GE 500                | 13.0      | 71.0                             | 71.0     | 71.4     | 71.5     | 71.5     | 71.5     | 71.5     | 71.5     | 71.5     | 71.5     | 71.5     | 71.5    | 71.5    | 71.5    | 71.5    |
| GE 450                | 13.0      | 71.9                             | 71.9     | 72.3     | 72.4     | 72.4     | 72.4     | 72.4     | 72.4     | 72.4     | 72.4     | 72.4     | 72.4    | 72.4    | 72.4    | 72.4    |
| GE 400                | 15.1      | 81.3                             | 81.3     | 81.7     | 81.8     | 81.8     | 81.8     | 81.8     | 81.8     | 81.8     | 81.8     | 81.8     | 81.8    | 81.8    | 81.8    | 81.8    |
| GE 350                | 15.4      | 86.6                             | 86.7     | 87.0     | 87.1     | 87.1     | 87.1     | 87.1     | 87.1     | 87.1     | 87.1     | 87.1     | 87.1    | 87.1    | 87.1    | 87.1    |
| GE 300                | 15.5      | 92.8                             | 93.2     | 94.1     | 94.2     | 94.2     | 94.2     | 94.3     | 94.3     | 94.3     | 94.3     | 94.3     | 94.3    | 94.3    | 94.3    | 94.3    |
| GE 250                | 15.8      | 94.7                             | 95.5     | 96.9     | 97.2     | 97.2     | 97.2     | 97.3     | 97.4     | 97.4     | 97.4     | 97.4     | 97.4    | 97.4    | 97.4    | 97.4    |
| GE 200                | 15.8      | 95.2                             | 96.0     | 97.5     | 98.1     | 98.1     | 98.1     | 98.2     | 98.3     | 98.3     | 98.3     | 98.3     | 98.3    | 98.3    | 98.3    | 98.3    |
| GE 180                | 15.8      | 95.4                             | 96.2     | 97.8     | 98.3     | 98.3     | 98.3     | 98.4     | 98.5     | 98.5     | 98.5     | 98.5     | 98.5    | 98.5    | 98.5    | 98.5    |
| GE 150                | 15.8      | 95.5                             | 96.3     | 97.9     | 98.4     | 98.7     | 98.7     | 98.8     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9    | 98.9    | 98.9    | 98.9    |
| GE 120                | 16.0      | 96.2                             | 97.0     | 98.5     | 99.2     | 99.4     | 99.4     | 99.6     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.7    | 99.7    |
| GE 100                | 16.0      | 96.2                             | 97.0     | 98.5     | 99.2     | 99.4     | 99.4     | 99.6     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.7    | 99.7    |
| GE 90                 | 16.0      | 96.2                             | 97.0     | 98.5     | 99.2     | 99.4     | 99.4     | 99.6     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.7    | 99.7    |
| GE 80                 | 16.0      | 96.3                             | 97.1     | 98.7     | 99.3     | 99.6     | 99.6     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 70                 | 16.0      | 96.4                             | 97.2     | 98.8     | 99.6     | 99.8     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 60                 | 16.0      | 96.4                             | 97.2     | 98.8     | 99.6     | 99.8     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 50                 | 16.0      | 96.4                             | 97.2     | 98.8     | 99.6     | 99.8     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 40                 | 16.0      | 96.4                             | 97.2     | 98.8     | 99.6     | 99.8     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 30                 | 16.0      | 96.4                             | 97.2     | 98.8     | 99.6     | 99.8     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 20                 | 16.0      | 96.4                             | 97.2     | 98.8     | 99.6     | 99.8     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 10                 | 16.0      | 96.4                             | 97.2     | 98.8     | 99.6     | 99.8     | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 894

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 16716C STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: DEC HOURS (LST): 1800-2400

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GT<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 7.5                              | 37.4     | 37.5     | 37.8     | 37.8     | 37.6     | 37.8     | 37.8     | 37.8     | 37.8     | 37.8     | 37.8     | 37.8    | 37.8    | 37.8    | 37.8    |
| GE 20000              | 7.7                              | 43.4     | 43.5     | 43.9     | 43.9     | 43.9     | 43.9     | 43.9     | 43.9     | 43.9     | 43.9     | 43.9     | 43.9    | 43.9    | 43.9    | 43.9    |
| GE 18000              | 7.7                              | 44.2     | 44.3     | 44.6     | 44.6     | 44.6     | 44.6     | 44.6     | 44.6     | 44.6     | 44.6     | 44.6     | 44.6    | 44.6    | 44.6    | 44.6    |
| GE 16000              | 7.7                              | 44.3     | 44.4     | 44.7     | 44.7     | 44.7     | 44.7     | 44.7     | 44.7     | 44.7     | 44.7     | 44.7     | 44.7    | 44.7    | 44.7    | 44.7    |
| GE 14000              | 7.7                              | 44.4     | 44.5     | 44.8     | 44.8     | 44.8     | 44.8     | 44.8     | 44.8     | 44.8     | 44.8     | 44.8     | 44.8    | 44.8    | 44.8    | 44.8    |
| GE 12000              | 9.0                              | 51.3     | 51.4     | 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 10000              | 9.1                              | 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    | 56.6    |
| GE 9000               | 9.2                              | 60.3     | 60.4     | 60.7     | 60.7     | 60.7     | 60.7     | 60.7     | 60.7     | 60.7     | 60.7     | 60.7     | 60.7    | 60.7    | 60.7    | 60.7    |
| GE 8000               | 9.3                              | 61.8     | 62.0     | 62.3     | 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 7000               | 9.3                              | 62.0     | 62.1     | 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    |
| GE 6000               | 9.3                              | 62.0     | 62.1     | 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    |
| GE 5000               | 9.3                              | 75.3     | 75.4     | 75.8     | 75.8     | 75.8     | 75.8     | 75.8     | 75.8     | 75.8     | 75.8     | 75.8     | 75.8    | 75.8    | 75.8    | 75.8    |
| GE 4500               | 9.3                              | 75.3     | 75.4     | 75.8     | 75.8     | 75.8     | 75.8     | 75.8     | 75.8     | 75.8     | 75.8     | 75.8     | 75.8    | 75.8    | 75.8    | 75.8    |
| GE 4000               | 10.1                             | 83.1     | 83.2     | 83.6     | 83.6     | 83.6     | 83.6     | 83.6     | 83.6     | 83.6     | 83.6     | 83.6     | 83.6    | 83.6    | 83.6    | 83.6    |
| GE 3500               | 10.3                             | 87.6     | 87.7     | 88.0     | 88.0     | 88.0     | 88.0     | 88.0     | 88.0     | 88.0     | 88.0     | 88.0     | 88.0    | 88.0    | 88.0    | 88.0    |
| GE 3000               | 10.4                             | 93.3     | 93.6     | 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    |
| GE 2500               | 10.4                             | 95.4     | 96.3     | 96.9     | 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 2000               | 10.4                             | 96.8     | 98.0     | 98.8     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0    | 99.0    | 99.0    | 99.0    |
| GE 1800               | 10.4                             | 96.9     | 98.1     | 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    |
| GE 1500               | 10.4                             | 97.3     | 98.5     | 99.3     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.6    |
| GE 1200               | 10.4                             | 97.5     | 98.8     | 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    |
| GE 1000               | 10.4                             | 97.5     | 98.8     | 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    |
| GE 900                | 10.4                             | 97.5     | 98.8     | 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    |
| GE 800                | 10.4                             | 97.5     | 98.8     | 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    |
| GE 700                | 10.4                             | 97.5     | 98.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 600                | 10.4                             | 97.5     | 98.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 500                | 10.4                             | 97.5     | 98.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 400                | 10.4                             | 97.5     | 98.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 300                | 10.4                             | 97.5     | 98.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 200                | 10.4                             | 97.5     | 98.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE 100                | 10.4                             | 97.5     | 98.8     | 99.8     | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |
| GE                    | 0                                | 10.4     | 97.5     | 98.8     | 99.8     | 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: 942



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: PELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87

MONTH: DEC HOURS(LST): 2100-2300

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GE<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 4.7                              | 36.1     | 36.3     | 36.4     | 36.5     | 36.6     | 36.6     | 36.6     | 36.6     | 36.6     | 36.6     | 36.6     | 36.6    | 36.6    | 36.6    | 36.7    |
| GE 20000              | 4.8                              | 39.5     | 39.7     | 39.8     | 40.1     | 40.2     | 40.2     | 40.2     | 40.2     | 40.2     | 40.2     | 40.2     | 40.2    | 40.2    | 40.2    | 40.4    |
| GE 18000              | 4.8                              | 39.9     | 40.1     | 40.2     | 40.6     | 40.7     | 40.7     | 40.7     | 40.7     | 40.7     | 40.7     | 40.7     | 40.7    | 40.7    | 40.7    | 40.8    |
| GE 16000              | 4.8                              | 39.9     | 40.1     | 40.2     | 40.6     | 40.7     | 40.7     | 40.7     | 40.7     | 40.7     | 40.7     | 40.7     | 40.7    | 40.7    | 40.7    | 40.8    |
| GE 14000              | 4.8                              | 39.9     | 40.1     | 40.2     | 40.6     | 40.7     | 40.7     | 40.7     | 40.7     | 40.7     | 40.7     | 40.7     | 40.7    | 40.7    | 40.7    | 40.8    |
| GE 12000              | 5.6                              | 45.8     | 46.1     | 46.2     | 46.5     | 46.6     | 46.6     | 46.6     | 46.6     | 46.6     | 46.6     | 46.6     | 46.6    | 46.6    | 46.6    | 46.7    |
| GE 10000              | 5.7                              | 50.8     | 51.0     | 51.1     | 51.4     | 51.5     | 51.5     | 51.5     | 51.5     | 51.5     | 51.5     | 51.5     | 51.5    | 51.5    | 51.5    | 51.6    |
| GE 9000               | 5.8                              | 54.9     | 55.4     | 55.5     | 55.8     | 55.9     | 55.9     | 55.9     | 55.9     | 55.9     | 55.9     | 55.9     | 55.9    | 55.9    | 55.9    | 56.0    |
| GE 8000               | 6.0                              | 57.0     | 57.5     | 57.6     | 57.9     | 58.0     | 58.0     | 58.0     | 58.0     | 58.0     | 58.0     | 58.0     | 58.0    | 58.0    | 58.0    | 58.1    |
| GE 7000               | 6.0                              | 57.3     | 57.8     | 58.0     | 58.3     | 58.4     | 58.4     | 58.4     | 58.4     | 58.4     | 58.4     | 58.4     | 58.4    | 58.4    | 58.4    | 58.6    |
| GE 6000               | 6.0                              | 57.3     | 57.8     | 58.0     | 58.3     | 58.4     | 58.4     | 58.4     | 58.4     | 58.4     | 58.4     | 58.4     | 58.4    | 58.4    | 58.4    | 58.6    |
| GE 5000               | 6.0                              | 76.3     | 76.8     | 77.0     | 77.3     | 77.4     | 77.4     | 77.4     | 77.4     | 77.4     | 77.4     | 77.4     | 77.4    | 77.4    | 77.4    | 77.5    |
| GE 4500               | 6.0                              | 76.5     | 77.0     | 77.2     | 77.5     | 77.6     | 77.6     | 77.6     | 77.6     | 77.6     | 77.6     | 77.6     | 77.6    | 77.6    | 77.6    | 77.7    |
| GE 4000               | 6.7                              | 83.9     | 84.4     | 84.6     | 85.0     | 85.1     | 85.1     | 85.1     | 85.1     | 85.1     | 85.1     | 85.1     | 85.1    | 85.1    | 85.1    | 85.2    |
| GE 3500               | 6.9                              | 89.1     | 89.7     | 90.0     | 90.4     | 90.5     | 90.5     | 90.5     | 90.5     | 90.5     | 90.5     | 90.5     | 90.5    | 90.5    | 90.5    | 90.6    |
| GE 3000               | 7.1                              | 94.3     | 95.2     | 95.5     | 95.8     | 95.9     | 95.9     | 95.9     | 95.9     | 95.9     | 95.9     | 95.9     | 95.9    | 95.9    | 95.9    | 96.1    |
| GE 2500               | 7.2                              | 96.1     | 97.1     | 97.6     | 98.0     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1    | 98.1    | 98.1    | 98.2    |
| GE 2000               | 7.2                              | 96.6     | 97.7     | 98.1     | 98.7     | 98.8     | 98.8     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9    | 98.9    | 98.9    | 99.0    |
| GE 1800               | 7.2                              | 96.6     | 97.7     | 98.1     | 98.7     | 98.8     | 98.8     | 98.9     | 98.9     | 99.0     | 99.0     | 99.0     | 99.0    | 99.0    | 99.0    | 99.1    |
| GE 1500               | 7.2                              | 96.7     | 97.9     | 98.4     | 98.9     | 99.0     | 99.0     | 99.1     | 99.1     | 99.2     | 99.2     | 99.2     | 99.2    | 99.2    | 99.2    | 99.3    |
| GE 1200               | 7.2                              | 96.8     | 98.1     | 98.6     | 99.2     | 99.3     | 99.3     | 99.5     | 99.5     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.7    |
| GE 1000               | 7.2                              | 96.8     | 98.1     | 98.6     | 99.2     | 99.3     | 99.3     | 99.5     | 99.5     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.7    |
| GE 900                | 7.2                              | 97.0     | 98.4     | 98.8     | 99.5     | 99.6     | 99.6     | 99.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8    | 99.8    | 99.8    | 99.9    |
| GE 800                | 7.2                              | 97.0     | 98.5     | 98.9     | 99.6     | 99.7     | 99.7     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 700                | 7.2                              | 97.0     | 98.5     | 98.9     | 99.6     | 99.7     | 99.7     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 600                | 7.2                              | 97.0     | 98.5     | 98.9     | 99.6     | 99.7     | 99.7     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 500                | 7.2                              | 97.0     | 98.5     | 98.9     | 99.6     | 99.7     | 99.7     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 400                | 7.2                              | 97.0     | 98.5     | 98.9     | 99.6     | 99.7     | 99.7     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 300                | 7.2                              | 97.0     | 98.5     | 98.9     | 99.6     | 99.7     | 99.7     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 200                | 7.2                              | 97.0     | 98.5     | 98.9     | 99.6     | 99.7     | 99.7     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 100                | 7.2                              | 97.0     | 98.5     | 98.9     | 99.6     | 99.7     | 99.7     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |
| GE 0                  | 7.2                              | 97.0     | 98.5     | 98.9     | 99.6     | 99.7     | 99.7     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 912

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM FOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | GT<br>160 | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |         |         |         |         |  |
|-----------------------|-----------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|--|
|                       |           | GE<br>90                         | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |  |
| NO CEIL               | 5.9       | 35.4                             | 35.8     | 36.0     | 36.1     | 36.1     | 36.1     | 36.1     | 36.1     | 36.1     | 36.1     | 36.1     | 36.1    | 36.1    | 36.1    | 36.1    |  |
| GE 2000               | 6.7       | 41.5                             | 41.9     | 42.2     | 42.3     | 42.3     | 42.3     | 42.3     | 42.3     | 42.3     | 42.3     | 42.3     | 42.3    | 42.3    | 42.3    | 42.3    |  |
| GE 1800               | 6.7       | 42.3                             | 42.8     | 43.1     | 43.2     | 43.2     | 43.2     | 43.2     | 43.2     | 43.2     | 43.2     | 43.2     | 43.2    | 43.2    | 43.2    | 43.2    |  |
| GE 1600               | 6.7       | 42.3                             | 42.9     | 43.2     | 43.3     | 43.3     | 43.3     | 43.3     | 43.3     | 43.3     | 43.3     | 43.3     | 43.3    | 43.3    | 43.3    | 43.3    |  |
| GE 1400               | 6.7       | 42.5                             | 43.0     | 43.3     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4     | 43.4    | 43.4    | 43.4    | 43.4    |  |
| GE 1200               | 8.1       | 48.5                             | 49.1     | 49.5     | 49.6     | 49.6     | 49.6     | 49.6     | 49.6     | 49.6     | 49.6     | 49.6     | 49.6    | 49.6    | 49.6    | 49.6    |  |
| GE 1000               | 8.3       | 53.9                             | 54.6     | 54.9     | 55.0     | 55.1     | 55.1     | 55.1     | 55.1     | 55.1     | 55.1     | 55.1     | 55.1    | 55.1    | 55.1    | 55.1    |  |
| GE 900                | 8.5       | 58.4                             | 59.2     | 59.5     | 59.6     | 59.7     | 59.7     | 59.7     | 59.7     | 59.7     | 59.7     | 59.7     | 59.7    | 59.7    | 59.7    | 59.7    |  |
| GE 800                | 8.6       | 60.1                             | 60.9     | 61.4     | 61.5     | 61.5     | 61.5     | 61.5     | 61.5     | 61.5     | 61.5     | 61.5     | 61.5    | 61.5    | 61.5    | 61.5    |  |
| GE 700                | 8.6       | 60.2                             | 61.0     | 61.5     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6    | 61.6    | 61.6    | 61.6    |  |
| GE 600                | 8.6       | 60.2                             | 61.0     | 61.5     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6    | 61.6    | 61.6    | 61.6    |  |
| GE 500                | 8.6       | 75.3                             | 76.1     | 76.5     | 76.6     | 76.6     | 76.6     | 76.6     | 76.6     | 76.6     | 76.6     | 76.6     | 76.6    | 76.6    | 76.6    | 76.7    |  |
| GE 450                | 8.6       | 75.6                             | 76.4     | 76.8     | 77.0     | 77.0     | 77.0     | 77.0     | 77.0     | 77.0     | 77.0     | 77.0     | 77.0    | 77.0    | 77.0    | 77.0    |  |
| GE 400                | 9.6       | 83.4                             | 84.3     | 84.8     | 84.9     | 84.9     | 84.9     | 84.9     | 84.9     | 84.9     | 84.9     | 84.9     | 84.9    | 84.9    | 84.9    | 85.0    |  |
| GE 350                | 9.7       | 87.7                             | 88.6     | 89.2     | 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 300                | 9.8       | 92.7                             | 94.1     | 95.0     | 95.1     | 95.2     | 95.2     | 95.2     | 95.2     | 95.2     | 95.2     | 95.2     | 95.2    | 95.2    | 95.2    | 95.2    |  |
| GE 250                | 9.9       | 94.4                             | 96.1     | 97.2     | 97.4     | 97.5     | 97.5     | 97.5     | 97.6     | 97.6     | 97.6     | 97.6     | 97.6    | 97.6    | 97.6    | 97.6    |  |
| GE 200                | 9.9       | 95.1                             | 97.0     | 98.2     | 98.5     | 98.6     | 98.6     | 98.6     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7    | 98.7    | 98.7    | 98.7    |  |
| GE 180                | 9.9       | 95.2                             | 97.0     | 98.3     | 98.6     | 98.7     | 98.7     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8    | 98.8    | 98.8    | 98.8    |  |
| GE 150                | 9.9       | 95.3                             | 97.2     | 98.4     | 98.8     | 98.9     | 98.9     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0    | 99.0    | 99.0    | 99.0    |  |
| GE 120                | 10.0      | 95.7                             | 97.7     | 99.0     | 99.4     | 99.5     | 99.5     | 99.5     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.6    |  |
| GE 100                | 10.0      | 95.8                             | 97.7     | 99.0     | 99.4     | 99.5     | 99.5     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.6    |  |
| GE 900                | 10.0      | 95.8                             | 97.7     | 99.0     | 99.4     | 99.5     | 99.5     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.6    |  |
| GE 800                | 10.0      | 95.8                             | 97.7     | 99.0     | 99.4     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6    | 99.6    | 99.6    | 99.7    |  |
| GE 700                | 10.0      | 96.0                             | 97.9     | 99.2     | 99.7     | 99.8     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |  |
| GE 600                | 10.0      | 96.0                             | 97.9     | 99.2     | 99.7     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 100.0   |  |
| GE 500                | 10.0      | 96.0                             | 98.0     | 99.3     | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |  |
| GE 400                | 10.0      | 96.0                             | 98.0     | 99.3     | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |  |
| GE 300                | 10.0      | 96.0                             | 98.0     | 99.3     | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |  |
| GE 200                | 10.0      | 96.0                             | 98.0     | 99.3     | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |  |
| GE 100                | 10.0      | 96.0                             | 98.0     | 99.3     | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |  |
| GE                    | 10.0      | 96.0                             | 98.0     | 99.3     | 99.7     | 99.9     | 99.9     | 99.9     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0   | 100.0   | 100.0   | 100.0   |  |

TOTAL NUMBER OF OBSERVATIONS: 7237

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIXON ABS/ATHENS GR

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

| CEILING<br>IN<br>FEET | VISIBILITY IN HUNDREDS OF METERS |          |          |          |          |          |          |          |          |          |          |          |         |         |         |         |
|-----------------------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|                       | GE<br>160                        | GE<br>90 | GE<br>80 | GE<br>60 | GE<br>48 | GE<br>40 | GE<br>32 | GE<br>24 | GE<br>20 | GE<br>16 | GE<br>12 | GE<br>10 | GE<br>8 | GE<br>5 | GE<br>4 | GE<br>0 |
| NO CEIL               | 4.9                              | 38.8     | 39.7     | 40.0     | 40.0     | 40.1     | 40.1     | 40.1     | 40.1     | 40.1     | 40.1     | 40.1     | 40.1    | 40.1    | 40.1    | 40.1    |
| GE 2000               | 5.2                              | 43.5     | 44.5     | 44.9     | 44.9     | 45.0     | 45.0     | 45.0     | 45.0     | 45.0     | 45.0     | 45.0     | 45.0    | 45.0    | 45.0    | 45.0    |
| GE 1800               | 5.3                              | 44.1     | 45.1     | 45.5     | 45.6     | 45.6     | 45.6     | 45.6     | 45.6     | 45.6     | 45.6     | 45.6     | 45.6    | 45.6    | 45.7    | 45.7    |
| GE 1600               | 5.3                              | 44.2     | 45.2     | 45.6     | 45.7     | 45.7     | 45.7     | 45.7     | 45.7     | 45.7     | 45.7     | 45.7     | 45.7    | 45.7    | 45.7    | 45.8    |
| GE 1400               | 5.3                              | 44.2     | 45.3     | 45.7     | 45.8     | 45.8     | 45.8     | 45.8     | 45.8     | 45.8     | 45.8     | 45.8     | 45.8    | 45.8    | 45.8    | 45.8    |
| GE 1200               | 6.0                              | 48.4     | 49.5     | 49.9     | 50.0     | 50.1     | 50.1     | 50.1     | 50.1     | 50.1     | 50.1     | 50.1     | 50.1    | 50.1    | 50.1    | 50.1    |
| GE 1000               | 6.1                              | 52.2     | 53.4     | 53.8     | 53.9     | 54.0     | 54.0     | 54.0     | 54.0     | 54.0     | 54.0     | 54.0     | 54.0    | 54.0    | 54.0    | 54.0    |
| GE 900                | 6.1                              | 54.6     | 55.9     | 56.4     | 56.5     | 56.5     | 56.5     | 56.6     | 56.6     | 56.6     | 56.6     | 56.6     | 56.6    | 56.6    | 56.6    | 56.6    |
| GE 800                | 6.1                              | 55.5     | 56.8     | 57.3     | 57.4     | 57.4     | 57.4     | 57.5     | 57.5     | 57.5     | 57.5     | 57.5     | 57.5    | 57.5    | 57.5    | 57.5    |
| GE 700                | 6.1                              | 55.5     | 56.9     | 57.4     | 57.5     | 57.5     | 57.5     | 57.5     | 57.5     | 57.5     | 57.5     | 57.6     | 57.6    | 57.6    | 57.6    | 57.6    |
| GE 600                | 6.1                              | 55.5     | 56.9     | 57.4     | 57.5     | 57.5     | 57.5     | 57.5     | 57.5     | 57.5     | 57.6     | 57.6     | 57.6    | 57.6    | 57.6    | 57.6    |
| GE 500                | 6.1                              | 84.4     | 85.7     | 86.2     | 86.3     | 86.4     | 86.4     | 86.4     | 86.4     | 86.4     | 86.4     | 86.4     | 86.4    | 86.4    | 86.4    | 86.5    |
| GE 450                | 6.1                              | 84.6     | 86.0     | 86.5     | 86.6     | 86.6     | 86.6     | 86.6     | 86.7     | 86.7     | 86.7     | 86.7     | 86.7    | 86.7    | 86.7    | 86.7    |
| GE 400                | 6.6                              | 89.2     | 90.7     | 91.2     | 91.4     | 91.4     | 91.4     | 91.4     | 91.5     | 91.5     | 91.5     | 91.5     | 91.5    | 91.5    | 91.5    | 91.5    |
| GE 350                | 6.6                              | 92.0     | 93.5     | 94.1     | 94.2     | 94.3     | 94.3     | 94.3     | 94.3     | 94.3     | 94.3     | 94.3     | 94.3    | 94.3    | 94.3    | 94.4    |
| GE 300                | 6.7                              | 94.6     | 96.3     | 97.0     | 97.2     | 97.2     | 97.3     | 97.3     | 97.3     | 97.3     | 97.3     | 97.3     | 97.3    | 97.3    | 97.3    | 97.4    |
| GE 250                | 6.7                              | 95.5     | 97.3     | 98.2     | 98.4     | 98.5     | 98.5     | 98.5     | 98.5     | 98.5     | 98.5     | 98.6     | 98.6    | 98.6    | 98.6    | 98.6    |
| GE 200                | 6.7                              | 95.8     | 97.8     | 98.7     | 98.9     | 99.0     | 99.0     | 99.1     | 99.1     | 99.1     | 99.1     | 99.2     | 99.2    | 99.2    | 99.2    | 99.2    |
| GE 180                | 6.7                              | 95.9     | 97.8     | 98.7     | 99.0     | 99.1     | 99.1     | 99.2     | 99.2     | 99.2     | 99.2     | 99.2     | 99.2    | 99.2    | 99.2    | 99.2    |
| GE 150                | 6.7                              | 95.9     | 97.8     | 98.8     | 99.1     | 99.2     | 99.2     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3    | 99.3    | 99.3    | 99.3    |
| GE 120                | 6.7                              | 96.2     | 98.2     | 99.2     | 99.5     | 99.6     | 99.6     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.7    | 99.8    |
| GE 100                | 6.7                              | 96.2     | 98.2     | 99.2     | 99.5     | 99.6     | 99.6     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.7    | 99.8    | 99.8    |
| GE 90                 | 6.7                              | 96.2     | 98.2     | 99.2     | 99.5     | 99.6     | 99.6     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7    | 99.8    | 99.8    | 99.8    |
| GE 80                 | 6.7                              | 96.2     | 98.2     | 99.2     | 99.5     | 99.6     | 99.6     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.8    | 99.8    | 99.8    | 99.8    |
| GE 70                 | 6.7                              | 96.3     | 98.3     | 99.3     | 99.6     | 99.7     | 99.7     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 60                 | 6.7                              | 96.3     | 98.3     | 99.3     | 99.6     | 99.7     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 50                 | 6.7                              | 96.3     | 98.3     | 99.3     | 99.6     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 99.9    | 99.9    |
| GE 40                 | 6.7                              | 96.3     | 98.3     | 99.4     | 99.7     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 100.0   | 100.0   |
| GE 30                 | 6.7                              | 96.3     | 98.3     | 99.4     | 99.7     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 100.0   | 100.0   |
| GE 20                 | 6.7                              | 96.3     | 98.3     | 99.4     | 99.7     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 99.9    | 100.0   | 100.0   |
| GE 10                 | 6.7                              | 96.3     | 98.3     | 99.4     | 99.7     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 100.0   | 100.0   | 100.0   |
| GE 0                  | 6.7                              | 96.3     | 98.3     | 99.4     | 99.7     | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9    | 100.0   | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 85296

GLOBAL CLIMATOLOGY BRANCH  
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PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR PERIOD OF RECORD: 78-87  
 MONTH: JAN

| HOURS  <br>(LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |      |   |      |     |     |     |   |      |      | MEAN | TOTAL<br>OBS |      |
|------------------|---|------|---|------|-----|-----|-----|---|------|------|------|--------------|------|
|                  | 0   | 1    | 2 | 3    | 4   | 5   | 6   | 7 | 8    | 9    |      |              | 10   |
| 00-02            | 18.4  | 8.9  |   | 5.9  | 8.9 | 3.9 | 7.9 |   | 6.9  | 24.3 | 14.8 | 5.5          | 304  |
| 03-05            | 20.7  | 9.4  |   | 6.8  | 4.2 | 3.2 | 7.4 |   | 12.0 | 21.0 | 15.2 | 5.4          | 309  |
| 06-08            | 5.5   | 13.9 |   | 6.8  | 7.8 | 6.8 | 8.1 |   | 9.4  | 31.1 | 10.7 | 6.1          | 309  |
| 09-11            | 4.9   | 15.3 |   | 7.8  | 8.4 | 5.8 | 7.8 |   | 7.8  | 31.2 | 11.0 | 6.2          | 308  |
| 12-14            | 2.6   | 14.6 |   | 7.1  | 8.4 | 2.6 | 9.1 |   | 15.5 | 26.9 | 13.3 | 6.4          | 309  |
| 15-17            | 4.9   | 10.8 |   | 11.1 | 7.5 | 3.6 | 6.9 |   | 12.8 | 29.2 | 13.1 | 6.3          | 305  |
| 18-20            | 12.8  | 13.2 |   | 5.6  | 6.3 | 4.9 | 5.3 |   | 8.6  | 29.6 | 13.8 | 5.8          | 304  |
| 21-23            | 19.5  | 10.1 |   | 7.7  | 6.1 | 5.1 | 6.7 |   | 7.4  | 22.2 | 15.2 | 5.3          | 297  |
| TOTALS           | 11.2  | 12.0 |   | 7.4  | 7.2 | 4.5 | 7.4 |   | 10.1 | 26.9 | 13.4 | 5.9          | 2445 |

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR PERIOD OF RECORD: 78-87  
 MONTH: FEB

| HOURS  <br>(LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |      |   |     |     |     |     |   |      |      | MEAN | TOTAL<br>OBS |      |
|------------------|---|------|---|-----|-----|-----|-----|---|------|------|------|--------------|------|
|                  | 0   | 1    | 2 | 3   | 4   | 5   | 6   | 7 | 8    | 9    |      |              | 10   |
| 00-02            | 17.9  | 9.3  |   | 5.7 | 5.0 | 5.7 | 5.0 |   | 6.8  | 26.5 | 17.9 | 5.6          | 279  |
| 03-05            | 15.6  | 8.7  |   | 7.2 | 5.1 | 4.7 | 6.2 |   | 9.8  | 26.1 | 16.7 | 5.9          | 276  |
| 06-08            | 6.1   | 8.9  |   | 6.1 | 5.0 | 5.7 | 5.7 |   | 8.9  | 35.7 | 17.9 | 6.8          | 280  |
| 09-11            | 5.8   | 11.3 |   | 6.5 | 5.8 | 4.4 | 8.0 |   | 11.6 | 27.6 | 18.9 | 6.5          | 275  |
| 12-14            | 3.6   | 9.3  |   | 6.0 | 7.1 | 5.7 | 7.5 |   | 11.4 | 29.5 | 19.9 | 6.4          | 281  |
| 15-17            | 4.4   | 10.6 |   | 6.2 | 5.1 | 3.7 | 5.5 |   | 12.8 | 35.2 | 16.5 | 6.6          | 273  |
| 18-20            | 10.8  | 8.3  |   | 4.7 | 4.7 | 3.2 | 7.9 |   | 14.1 | 22.4 | 18.8 | 6.3          | 277  |
| 21-23            | 13.4  | 9.4  |   | 5.4 | 6.9 | 4.3 | 8.3 |   | 8.3  | 25.6 | 18.4 | 6.2          | 277  |
| TOTALS           | 9.7   | 9.5  |   | 6.2 | 6.2 | 4.7 | 6.8 |   | 10.5 | 28.6 | 18.1 | 6.4          | 2218 |

GLOBAL CLIMATOLOGY BRANCH  
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PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR PERIOD OF RECORD: 78-87  
 MONTH: MAR

| HOURS  <br>(LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |      |   |     |     |     |      |   |      |      | MEAN | TOTAL<br>OBS |      |
|------------------|---|------|---|-----|-----|-----|------|---|------|------|------|--------------|------|
|                  | 0   | 1    | 2 | 3   | 4   | 5   | 6    | 7 | 8    | 9    |      |              | 10   |
| 00-02            | 26.1  | 9.2  |   | 7.8 | 5.2 | 3.6 | 6.9  |   | 6.9  | 18.3 | 16.0 | 4.9          | 306  |
| 03-05            | 23.3  | 8.1  |   | 4.5 | 6.8 | 5.8 | 7.8  |   | 10.4 | 19.4 | 13.9 | 5.2          | 309  |
| 06-08            | 10.9  | 10.6 |   | 6.4 | 7.4 | 5.5 | 7.1  |   | 6.8  | 32.8 | 12.5 | 6.2          | 311  |
| 09-11            | 7.4   | 13.6 |   | 6.5 | 6.5 | 5.2 | 7.8  |   | 12.6 | 24.6 | 15.9 | 6.1          | 309  |
| 12-14            | 4.8   | 11.5 |   | 6.7 | 8.6 | 5.1 | 6.1  |   | 12.1 | 32.9 | 12.1 | 6.4          | 313  |
| 15-17            | 6.6   | 13.5 |   | 7.6 | 5.9 | 4.3 | 10.2 |   | 13.5 | 22.4 | 15.8 | 6.1          | 303  |
| 18-20            | 12.3  | 13.3 |   | 8.4 | 4.9 | 9.7 | 7.1  |   | 7.8  | 22.7 | 13.6 | 5.5          | 308  |
| 21-23            | 26.0  | 9.9  |   | 5.6 | 7.9 | 2.3 | 4.9  |   | 7.6  | 17.4 | 18.4 | 5.0          | 304  |
| TOTALS           | 14.7  | 11.2 |   | 6.7 | 6.7 | 5.2 | 7.2  |   | 9.7  | 23.8 | 14.8 | 5.7          | 2463 |

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR PERIOD OF RECORD: 78-87  
 MONTH: APR

| HOURS  <br>(LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |      |   |      |     |     |     |   |      |      | MEAN | TOTAL<br>OBS |      |
|------------------|---|------|---|------|-----|-----|-----|---|------|------|------|--------------|------|
|                  | 0   | 1    | 2 | 3    | 4   | 5   | 6   | 7 | 8    | 9    |      |              | 10   |
| 00-02            | 36.1  | 6.2  |   | 8.5  | 6.8 | 3.4 | 7.8 |   | 7.5  | 10.5 | 11.2 | 3.9          | 294  |
| 03-05            | 32.3  | 6.4  |   | 5.7  | 8.8 | 5.4 | 6.1 |   | 8.1  | 16.5 | 8.8  | 4.2          | 297  |
| 06-08            | 18.1  | 16.1 |   | 7.7  | 7.0 | 3.7 | 4.4 |   | 8.4  | 25.2 | 9.4  | 5.2          | 298  |
| 09-11            | 13.5  | 18.5 |   | 10.1 | 7.1 | 4.0 | 6.1 |   | 9.1  | 21.2 | 10.4 | 5.2          | 297  |
| 12-14            | 7.3   | 20.0 |   | 9.0  | 7.7 | 5.7 | 6.3 |   | 11.7 | 21.0 | 11.3 | 5.4          | 300  |
| 15-17            | 8.5   | 18.4 |   | 5.2  | 7.1 | 6.5 | 5.4 |   | 9.9  | 23.5 | 11.6 | 5.5          | 294  |
| 18-20            | 14.0  | 14.0 |   | 10.6 | 6.7 | 6.4 | 6.0 |   | 8.0  | 19.7 | 15.1 | 5.3          | 299  |
| 21-23            | 34.8  | 9.9  |   | 5.2  | 7.2 | 4.8 | 4.4 |   | 5.5  | 12.3 | 11.9 | 3.9          | 293  |
| TOTALS           | 20.6  | 14.2 |   | 6.7  | 7.3 | 5.0 | 5.6 |   | 8.5  | 18.7 | 11.2 | 4.8          | 2372 |

GLOBAL CLIMATOLOGY BRANCH  
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PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR PERIOD OF RECORD: 7A-87  
 MONTH: MAY

| HOURS  <br>(LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |      |   |      |     |     |     |   |      |      | MEAN | TOTAL<br>OBS |      |
|------------------|---|------|---|------|-----|-----|-----|---|------|------|------|--------------|------|
|                  | 0   | 1    | 2 | 3    | 4   | 5   | 6   | 7 | 8    | 9    |      |              | 10   |
| 00-02            | 44.3  | 9.2  |   | 6.9  | 6.9 | 5.6 | 3.3 |   | 6.2  | 12.5 | 5.2  | 3.2          | 305  |
| 03-05            | 31.6  | 12.6 |   | 10.3 | 5.5 | 3.5 | 7.4 |   | 10.0 | 14.8 | 4.2  | 3.8          | 310  |
| 06-08            | 23.1  | 19.2 |   | 10.3 | 4.8 | 3.8 | 6.4 |   | 10.6 | 15.1 | 6.7  | 4.1          | 312  |
| 09-11            | 14.4  | 24.6 |   | 12.8 | 7.5 | 5.9 | 6.9 |   | 10.2 | 13.1 | 4.6  | 4.1          | 305  |
| 12-14            | 6.9   | 24.5 |   | 10.6 | 9.2 | 6.2 | 5.9 |   | 14.1 | 17.3 | 5.2  | 4.6          | 306  |
| 15-17            | 9.8   | 25.5 |   | 7.8  | 5.6 | 7.5 | 8.8 |   | 9.2  | 20.9 | 4.9  | 4.7          | 306  |
| 18-20            | 15.1  | 17.1 |   | 10.9 | 4.9 | 6.3 | 7.9 |   | 10.2 | 17.1 | 5.6  | 4.6          | 304  |
| 21-23            | 40.8  | 7.6  |   | 8.2  | 9.9 | 3.3 | 5.9 |   | 6.3  | 12.8 | 5.3  | 3.4          | 304  |
| TOTALS           | 23.3  | 17.5 |   | 9.6  | 7.4 | 5.3 | 6.6 |   | 9.6  | 15.5 | 5.2  | 4.1          | 2452 |

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR PERIOD OF RECORD: 7A-87  
 MONTH: JUN

| HOURS  <br>(LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |      |   |      |     |     |     |   |     |     | MEAN | TOTAL<br>OBS |      |
|------------------|---|------|---|------|-----|-----|-----|---|-----|-----|------|--------------|------|
|                  | 0   | 1    | 2 | 3    | 4   | 5   | 6   | 7 | 8   | 9   |      |              | 10   |
| 00-02            | 68.5  | 10.2 |   | 7.5  | 3.4 | 2.4 | 2.4 |   | 1.0 | 2.7 | 2.0  | 1.3          | 295  |
| 03-05            | 55.3  | 17.5 |   | 8.3  | 4.0 | 2.3 | 4.3 |   | 3.6 | 3.3 | 1.3  | 1.7          | 302  |
| 06-08            | 53.0  | 17.2 |   | 7.6  | 7.3 | 2.3 | 2.6 |   | 3.3 | 5.6 | 1.0  | 1.6          | 302  |
| 09-11            | 30.6  | 30.3 |   | 13.9 | 4.4 | 4.4 | 4.4 |   | 6.1 | 5.4 | .3   | 2.4          | 294  |
| 12-14            | 23.5  | 32.7 |   | 14.3 | 7.5 | 4.4 | 5.8 |   | 5.8 | 5.8 | .3   | 2.6          | 294  |
| 15-17            | 31.9  | 29.5 |   | 10.2 | 7.0 | 4.2 | 3.9 |   | 4.6 | 7.0 | 1.8  | 2.5          | 285  |
| 18-20            | 36.2  | 24.5 |   | 11.4 | 5.9 | 3.1 | 5.2 |   | 6.6 | 6.2 | 1.0  | 2.5          | 290  |
| 21-23            | 65.6  | 10.7 |   | 6.2  | 5.5 | 2.7 | 2.4 |   | 2.7 | 2.7 | 1.4  | 1.4          | 291  |
| TOTALS           | 45.6  | 24.6 |   | 9.9  | 5.6 | 3.2 | 3.9 |   | 4.2 | 4.8 | 1.1  | 2.1          | 2353 |

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PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR PERIOD OF RECORD: 78-87  
 MONTH: JUL

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

| HOURS<br>(LST) | 0    | 1    | 2 | 3    | 4   | 5   | 6   | 7 | 8   | 9   | 10  | MEAN | TOTAL<br>OBS |
|----------------|------|------|---|------|-----|-----|-----|---|-----|-----|-----|------|--------------|
| 00-02          | 82.7 | 5.2  |   | 2.0  | 3.3 | 2.9 | .3  |   | 2.3 | 1.3 |     | .7   | 306          |
| 03-05          | 72.8 | 12.5 |   | 3.6  | 4.9 | 1.3 | 1.3 |   | 1.6 | 1.6 | .3  | .4   | 305          |
| 06-08          | 72.8 | 11.5 |   | 4.5  | 3.2 | 1.3 | 1.6 |   | 2.2 | 1.9 | 1.0 | 1.4  | 312          |
| 09-11          | 49.8 | 23.4 |   | 11.6 | 4.3 | 4.3 | 2.0 |   | 2.6 | 2.0 |     | 1.5  | 303          |
| 12-14          | 36.7 | 29.2 |   | 13.3 | 8.1 | 4.2 | 5.5 |   | 1.3 | 1.6 |     | 1.6  | 308          |
| 15-17          | 52.9 | 26.5 |   | 7.5  | 3.6 | 4.6 | 1.0 |   | 1.6 | 2.0 | .3  | 1.3  | 306          |
| 18-20          | 59.2 | 18.8 |   | 8.1  | 3.9 | 1.6 | 2.9 |   | 2.3 | 2.6 | .6  | 1.3  | 309          |
| 21-23          | 82.5 | 7.1  |   | 1.3  | 2.4 | 1.7 | 1.3 |   | 1.0 | 1.7 | 1.0 | .7   | 297          |
| TOTALS         | 63.7 | 16.8 |   | 6.5  | 4.2 | 2.7 | 2.0 |   | 1.9 | 1.8 | .4  | 1.2  | 2446         |

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR PERIOD OF RECORD: 78-87  
 MONTH: AUG

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

| HOURS<br>(LST) | 0    | 1    | 2 | 3    | 4   | 5   | 6   | 7 | 8   | 9   | 10  | MEAN | TOTAL<br>OBS |
|----------------|------|------|---|------|-----|-----|-----|---|-----|-----|-----|------|--------------|
| 00-02          | 81.3 | 4.6  |   | 3.9  | 1.3 | 1.0 | 3.0 |   | 2.0 | 2.0 | 1.0 | .4   | 305          |
| 03-05          | 81.4 | 4.2  |   | 5.1  | 1.6 | 1.0 | 1.9 |   | 3.2 | 1.6 |     | .6   | 312          |
| 06-08          | 74.2 | 11.9 |   | 5.6  | 2.0 | 1.0 | 1.7 |   | 1.0 | 2.6 |     | .6   | 302          |
| 09-11          | 54.8 | 22.6 |   | 10.3 | 4.7 | 2.0 | 2.7 |   | 1.7 | 1.3 |     | 1.2  | 301          |
| 12-14          | 35.0 | 34.7 |   | 9.3  | 4.5 | 5.8 | 4.5 |   | 2.9 | 2.9 | .3  | 1.5  | 311          |
| 15-17          | 51.2 | 26.6 |   | 6.6  | 5.3 | 1.7 | 1.3 |   | 2.3 | 4.3 | .7  | 1.5  | 301          |
| 18-20          | 57.6 | 17.4 |   | 7.2  | 5.3 | 2.0 | 2.6 |   | 2.3 | 4.6 | 1.0 | 1.6  | 304          |
| 21-23          | 79.1 | 8.1  |   | 4.7  | 1.7 | 1.0 | 1.7 |   | 2.0 | 1.4 | .3  | .7   | 296          |
| TOTALS         | 64.3 | 16.3 |   | 6.6  | 3.3 | 1.9 | 2.4 |   | 2.2 | 2.6 | .4  | 1.2  | 2432         |

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PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR PERIOD OF RECORD: 78-87  
 MONTH: SEP

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

| HOURS<br>(LST) | 0    | 1    | 2 | 3    | 4   | 5   | 6   | 7 | 8   | 9   | 10  | MEAN | TOTAL<br>OBS |
|----------------|------|------|---|------|-----|-----|-----|---|-----|-----|-----|------|--------------|
| 00-02          | 78.4 | 5.4  |   | 4.7  | 3.4 | 1.0 | 2.4 |   | 1.7 | 2.0 | 1.0 | 1.5  | 296          |
| 03-05          | 74.4 | 8.1  |   | 2.4  | 4.0 | 1.0 | 2.0 |   | 1.7 | 5.7 | .7  | 1.2  | 297          |
| 06-08          | 53.7 | 19.1 |   | 7.4  | 3.4 | 3.4 | 3.7 |   | 4.4 | 4.7 | .3  | 1.7  | 298          |
| 09-11          | 40.9 | 29.7 |   | 8.1  | 5.4 | 4.1 | 4.4 |   | 4.1 | 3.0 | .3  | 1.5  | 296          |
| 12-14          | 26.1 | 33.8 |   | 10.7 | 9.4 | 4.0 | 5.4 |   | 5.4 | 5.4 |     | 2.5  | 299          |
| 15-17          | 43.3 | 22.5 |   | 7.8  | 5.5 | 4.1 | 3.8 |   | 6.8 | 5.5 | .7  | 2.2  | 293          |
| 18-20          | 57.0 | 14.4 |   | 8.7  | 4.0 | 2.3 | 5.0 |   | 2.7 | 5.0 | .7  | 1.7  | 298          |
| 21-23          | 71.4 | 10.7 |   | 3.1  | 4.1 | 1.7 | 3.8 |   | .3  | 3.8 | 1.0 | 1.2  | 290          |
| TOTALS         | 55.7 | 18.0 |   | 6.6  | 4.9 | 2.7 | 3.8 |   | 3.4 | 4.4 | .6  | 1.7  | 2367         |

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR PERIOD OF RECORD: 78-87  
 MONTH: OCT

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

| HOURS<br>(LST) | 0    | 1    | 2 | 3    | 4    | 5   | 6   | 7 | 8    | 9    | 10   | MEAN | TOTAL<br>OBS |
|----------------|------|------|---|------|------|-----|-----|---|------|------|------|------|--------------|
| 00-02          | 47.1 | 6.1  |   | 7.5  | 5.8  | 2.9 | 5.5 |   | 2.9  | 13.0 | 7.1  | 3.1  | 308          |
| 03-05          | 40.6 | 13.2 |   | 5.2  | 4.8  | 5.8 | 5.2 |   | 7.1  | 9.0  | 9.0  | 3.4  | 310          |
| 06-08          | 20.1 | 18.2 |   | 11.4 | 5.2  | 4.2 | 6.2 |   | 9.7  | 17.9 | 7.1  | 4.4  | 308          |
| 09-11          | 14.2 | 22.7 |   | 12.0 | 6.8  | 6.5 | 5.5 |   | 9.1  | 14.6 | 8.7  | 4.4  | 309          |
| 12-14          | 11.6 | 22.3 |   | 8.4  | 10.6 | 5.2 | 6.5 |   | 10.3 | 14.8 | 10.3 | 4.7  | 310          |
| 15-17          | 17.8 | 15.2 |   | 10.9 | 9.9  | 4.6 | 4.6 |   | 10.6 | 18.8 | 7.6  | 4.7  | 303          |
| 18-20          | 28.9 | 18.0 |   | 7.5  | 7.9  | 7.5 | 4.6 |   | 4.6  | 13.1 | 7.9  | 3.7  | 305          |
| 21-23          | 38.5 | 11.2 |   | 7.9  | 6.6  | 3.6 | 3.6 |   | 6.9  | 13.2 | 8.6  | 3.6  | 304          |
| TOTALS         | 27.4 | 16.1 |   | 8.9  | 7.2  | 5.0 | 5.2 |   | 7.7  | 14.3 | 8.3  | 4.0  | 2457         |



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PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR PERIOD OF RECORD: 78-87  
 MONTH: NOV

| HOURS<br>(LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |      |   |      |     |     |     |   |      |      | MEAN | TOT<br>OBS |     |
|----------------|---|------|---|------|-----|-----|-----|---|------|------|------|------------|-----|
|                | 0   | 1    | 2 | 3    | 4   | 5   | 6   | 7 | 8    | 9    |      |            | 10  |
| 00-02          | 27.3  | 11.1 |   | 9.4  | 6.4 | 5.1 | 4.7 |   | 9.4  | 16.2 | 10.4 | 4.4        | 25  |
| 03-05          | 27.6  | 11.6 |   | 5.8  | 4.8 | 7.2 | 5.8 |   | 7.8  | 16.4 | 13.0 | 4.0        | 25  |
| 06-08          | 10.4  | 16.1 |   | 8.1  | 6.0 | 1.7 | 8.1 |   | 10.7 | 27.9 | 11.1 | 5.7        | 25  |
| 09-11          | 10.1  | 12.2 |   | 10.1 | 9.1 | 8.4 | 6.4 |   | 8.4  | 22.3 | 12.8 | 5.6        | 25  |
| 12-14          | 6.9   | 13.2 |   | 8.9  | 8.2 | 4.9 | 7.2 |   | 10.9 | 25.0 | 14.8 | 6.0        | 31  |
| 15-17          | 9.0   | 14.5 |   | 7.6  | 6.6 | 5.9 | 6.6 |   | 10.0 | 28.0 | 11.8 | 5.6        | 28  |
| 18-20          | 22.8  | 12.4 |   | 6.0  | 4.4 | 7.7 | 4.7 |   | 8.7  | 20.8 | 12.4 | 5.1        | 25  |
| 21-23          | 28.6  | 9.8  |   | 7.3  | 6.3 | 5.9 | 5.6 |   | 6.7  | 16.4 | 11.5 | 4.5        | 28  |
| TOTALS         | 17.8  | 12.6 |   | 7.9  | 6.5 | 5.9 | 6.1 |   | 9.3  | 21.6 | 12.2 | 5.1        | 238 |

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR PERIOD OF RECORD: 78-87  
 MONTH: DEC

| HOURS<br>(LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |      |   |      |     |     |      |   |      |      | MEAN | TOT<br>OBS |    |
|----------------|---|------|---|------|-----|-----|------|---|------|------|------|------------|----|
|                | 0   | 1    | 2 | 3    | 4   | 5   | 6    | 7 | 8    | 9    |      |            | 10 |
| 00-02          | 20.3  | 12.4 |   | 7.5  | 6.5 | 4.9 | 7.8  |   | 10.5 | 18.0 | 12.1 | 5.0        | 31 |
| 03-05          | 27.8  | 11.9 |   | 6.4  | 7.4 | 5.4 | 5.1  |   | 9.9  | 20.5 | 12.5 | 5.1        | 3  |
| 06-08          | 7.5   | 13.6 |   | 8.1  | 5.8 | 5.8 | 10.4 |   | 14.3 | 23.1 | 11.4 | 5.9        | 3  |
| 09-11          | 8.1   | 9.4  |   | 10.7 | 8.4 | 5.5 | 9.7  |   | 12.3 | 25.3 | 10.4 | 5.9        | 3  |
| 12-14          | 3.9   | 13.3 |   | 5.8  | 7.5 | 7.5 | 8.8  |   | 13.0 | 26.6 | 13.6 | 6.0        | 3  |
| 15-17          | 5.3   | 10.2 |   | 9.6  | 6.9 | 6.3 | 8.9  |   | 13.2 | 31.7 | 7.9  | 6.4        | 3  |
| 18-20          | 15.4  | 13.8 |   | 9.3  | 9.3 | 3.2 | 5.8  |   | 10.9 | 20.9 | 11.3 | 5.1        | 3  |
| 21-23          | 21.9  | 10.9 |   | 5.3  | 7.3 | 6.6 | 5.6  |   | 11.3 | 7.9  | 10.3 | 5.0        | 3  |
| TOTALS         | 12.9  | 11.9 |   | 7.6  | 7.4 | 5.7 | 7.8  |   | 11.9 | 23.4 | 11.2 | 5.6        | 24 |

GLOBAL CLIMATOLOGY BRANCH  
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PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR PERIOD OF RECORD: 78-87  
 MONTH: ALL

| HOURS<br>(LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |      |   |     |     |     |     |   |      |      |      | MEAN | TOTAL<br>OBS |
|----------------|---|------|---|-----|-----|-----|-----|---|------|------|------|------|--------------|
|                | 0   | 1    | 2 | 3   | 4   | 5   | 6   | 7 | 8    | 9    | 10   |      |              |
| JAN ALL        | 11.2  | 12.0 |   | 7.4 | 7.2 | 4.5 | 7.4 |   | 10.1 | 26.9 | 13.4 | 5.7  | 2445         |
| FEB            | 9.7   | 9.5  |   | 6.0 | 6.2 | 4.7 | 6.8 |   | 10.5 | 28.6 | 18.1 | 6.4  | 2218         |
| MAR            | 14.7  | 11.2 |   | 6.7 | 6.7 | 5.2 | 7.2 |   | 9.7  | 23.8 | 14.8 | 5.7  | 2463         |
| APR            | 20.6  | 14.2 |   | 8.7 | 7.3 | 5.0 | 5.8 |   | 8.5  | 18.7 | 11.2 | 4.6  | 2372         |
| MAY            | 23.3  | 17.5 |   | 9.6 | 7.4 | 5.3 | 6.6 |   | 9.6  | 15.5 | 5.2  | 4.1  | 2452         |
| JUN            | 45.6  | 21.6 |   | 9.9 | 5.6 | 3.2 | 3.9 |   | 4.2  | 4.8  | 1.1  | 2.0  | 2353         |
| JUL            | 63.7  | 16.8 |   | 6.5 | 4.2 | 2.7 | 2.0 |   | 1.9  | 1.8  | .4   | 1.0  | 2446         |
| AUG            | 64.3  | 16.3 |   | 6.6 | 3.3 | 1.9 | 2.4 |   | 2.2  | 2.6  | .4   | 1.0  | 2432         |
| SEP            | 55.7  | 18.0 |   | 6.6 | 4.9 | 2.7 | 3.8 |   | 3.4  | 4.4  | .6   | 1.7  | 2367         |
| OCT            | 27.4  | 16.1 |   | 8.9 | 7.2 | 5.0 | 5.2 |   | 7.7  | 14.3 | 8.3  | 4.0  | 2457         |
| NOV            | 17.8  | 12.6 |   | 7.9 | 6.5 | 5.9 | 6.1 |   | 9.3  | 21.6 | 12.2 | 5.2  | 2362         |
| DEC            | 12.9  | 11.9 |   | 7.8 | 7.4 | 5.7 | 7.8 |   | 11.9 | 23.4 | 11.2 | 5.6  | 2458         |
| TOTALS         | 30.6  | 14.8 |   | 7.7 | 6.2 | 4.3 | 5.4 |   | 7.4  | 15.5 | 8.1  | 4.0  | 28825        |

|          |           |          |           |           |
|----------|-----------|----------|-----------|-----------|
| PPPPPPP  | AAAAA     | RRRRRRR  | TTTTTTTTT | EEEEEEEEE |
| PPPPPPPP | AAAAAAAAA | RRRRRRRR | TTTTTTTTT | EEEEEEEEE |
| PP PP    | AA AA     | RR RR    | TT        | EE        |
| PP PP    | AA AA     | RR RR    | TT        | EE        |
| PPPPPPPP | AAAAAA    | RRRRRRR  | TTTTTTTTT | EEEEEE    |
| PPPPPPPP | AAAAAAAAA | RRRRRRR  | TTTTTTTTT | EEEEEE    |
| PP       | AAAAAAAAA | RR RR    | TT        | EE        |
| PP       | AA AA     | RR RR    | TT        | EE        |
| PP       | AA AA     | RR RR    | TT        | EEEEEEEEE |
| PP       | AA AA     | RR RR    | TT        | EEEEEEEEE |

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TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY MAXIMUM (MINIMUM AND MEAN) TEMPERATURES  
PERCENTAGE TABULATIONS PRESENTED BY 5-DEGREE FAHRENHEIT INCREMENTS PLUS THE MEAN, STAND DEV-  
IATIONS AND TOTAL OBSERVATION COUNT.

THE MINIMUM TABLE ALSO INCLUDES A 33 DEGREE FAHRENHEIT VALUE.

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

STATISTICS DO NOT INCLUDE INCOMPLETE MONTHS.

FOUR OR MORE COMPLETE MONTHS ARE REQUIRED FOR COMPUTING

EXTREME MAXIMUM AND MINIMUM VALUES

DATA DERIVED FROM EXTRACTING THE HIGH AND LOW TEMPERATURES FROM THE HOURLY OBSERVATIONS.

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.

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DRY-BULB TEMPERATURES DEG F FROM  
 HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 16716C STATION NAME: HELLENIKON ABS/ATHENS GR PERIOD OF RECORD: 78-87

| HOURS | STATS   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANN    |
|-------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 00-02 | MEAN    | 47.8  | 48.0  | 50.0  | 55.4  | 62.5  | 70.3  | 75.2  | 75.0  | 70.4  | 62.7  | 55.2  | 51.3  | 60.4   |
|       | SD      | 6.319 | 6.352 | 6.058 | 4.446 | 4.486 | 4.705 | 4.222 | 3.830 | 3.991 | 5.528 | 5.660 | 5.709 | 11.230 |
|       | TOT OBS | 899   | 828   | 903   | 872   | 912   | 874   | 904   | 897   | 864   | 911   | 869   | 901   | 10614  |
| 03-05 | MEAN    | 46.8  | 46.8  | 48.6  | 53.7  | 60.6  | 68.2  | 73.1  | 73.2  | 68.5  | 61.2  | 54.1  | 50.3  | 58.9   |
|       | SD      | 6.441 | 6.594 | 6.108 | 4.412 | 4.612 | 4.556 | 4.053 | 4.004 | 4.055 | 5.532 | 5.654 | 5.922 | 10.961 |
|       | TOT OBS | 886   | 809   | 890   | 873   | 912   | 870   | 904   | 897   | 864   | 906   | 861   | 893   | 10565  |
| 06-08 | MEAN    | 46.5  | 46.5  | 48.6  | 54.9  | 63.2  | 71.3  | 75.6  | 74.8  | 69.5  | 61.3  | 54.0  | 49.8  | 59.8   |
|       | SD      | 6.464 | 6.523 | 6.103 | 4.668 | 5.201 | 4.960 | 4.305 | 4.121 | 4.116 | 5.565 | 5.603 | 5.825 | 11.873 |
|       | TOT OBS | 897   | 801   | 897   | 875   | 912   | 876   | 907   | 906   | 865   | 913   | 865   | 885   | 10599  |
| 09-11 | MEAN    | 50.3  | 51.5  | 53.9  | 60.7  | 69.2  | 77.4  | 82.3  | 82.0  | 77.2  | 67.6  | 58.9  | 53.9  | 65.5   |
|       | SD      | 6.179 | 6.570 | 6.403 | 4.759 | 5.228 | 4.732 | 4.318 | 3.979 | 4.335 | 6.661 | 5.451 | 5.692 | 12.863 |
|       | TOT OBS | 893   | 802   | 893   | 882   | 916   | 866   | 900   | 902   | 882   | 913   | 869   | 901   | 10619  |
| 12-14 | MEAN    | 53.5  | 53.2  | 56.6  | 63.6  | 72.3  | 80.6  | 85.9  | 85.7  | 81.1  | 71.1  | 62.0  | 56.9  | 68.7   |
|       | SD      | 6.148 | 6.941 | 6.443 | 5.275 | 5.651 | 5.025 | 4.753 | 4.268 | 4.609 | 6.905 | 5.415 | 5.401 | 13.210 |
|       | TOT OBS | 892   | 801   | 897   | 878   | 901   | 873   | 905   | 907   | 886   | 906   | 866   | 890   | 10602  |
| 15-17 | MEAN    | 53.0  | 53.0  | 56.4  | 63.4  | 72.0  | 80.9  | 86.2  | 85.9  | 80.7  | 70.1  | 61.0  | 56.2  | 68.4   |
|       | SD      | 6.065 | 6.665 | 6.520 | 5.267 | 5.793 | 5.280 | 5.271 | 4.481 | 4.749 | 6.735 | 5.311 | 5.233 | 13.423 |
|       | TOT OBS | 901   | 804   | 896   | 877   | 902   | 865   | 907   | 909   | 880   | 905   | 862   | 896   | 10604  |
| 18-20 | MEAN    | 50.1  | 50.4  | 53.6  | 59.8  | 68.1  | 77.0  | 82.0  | 81.2  | 75.7  | 65.8  | 57.7  | 53.4  | 64.7   |
|       | SD      | 6.001 | 6.208 | 6.230 | 4.962 | 5.206 | 5.370 | 5.093 | 4.641 | 4.386 | 5.823 | 4.997 | 5.214 | 12.730 |
|       | TOT OBS | 894   | 799   | 902   | 878   | 910   | 865   | 909   | 905   | 879   | 907   | 880   | 900   | 10628  |
| 21-23 | MEAN    | 48.7  | 48.8  | 51.4  | 56.9  | 64.4  | 72.7  | 77.5  | 77.1  | 72.2  | 63.8  | 56.0  | 51.8  | 61.9   |
|       | SD      | 6.165 | 6.317 | 5.927 | 4.467 | 4.603 | 4.756 | 4.392 | 4.007 | 3.897 | 5.578 | 5.250 | 5.520 | 11.673 |
|       | TOT OBS | 895   | 804   | 895   | 877   | 907   | 870   | 911   | 902   | 872   | 918   | 880   | 912   | 10643  |
| ALL   | MEAN    | 49.6  | 49.6  | 52.5  | 58.6  | 66.5  | 74.8  | 79.7  | 79.4  | 74.5  | 65.4  | 57.4  | 53.0  | 63.5   |
|       | SD      | 6.692 | 6.953 | 6.967 | 6.020 | 6.606 | 6.682 | 6.566 | 6.272 | 6.316 | 7.057 | 6.128 | 6.091 | 12.795 |
| HOURS | TOT OBS | 7157  | 6428  | 7173  | 7012  | 7272  | 6959  | 7247  | 7225  | 6992  | 7279  | 6952  | 7178  | 84874  |

GLOBAL CLIMATOLOGY BRANCH  
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WET-BULB TEMPERATURES DEG F FROM  
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87

| HOURS<br>LST | STATS   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANN   |
|--------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 00-02        | MEAN    | 44.2  | 44.3  | 46.2  | 50.8  | 56.7  | 62.5  | 65.0  | 64.8  | 61.5  | 56.5  | 51.0  | 47.4  | 54.3  |
|              | SD      | 6.411 | 6.562 | 6.183 | 4.232 | 4.028 | 4.389 | 4.047 | 4.200 | 4.292 | 5.402 | 6.269 | 6.006 | 4.236 |
|              | TOT OBS | 899   | 806   | 901   | 870   | 911   | 874   | 902   | 896   | 862   | 911   | 868   | 900   | 10600 |
| 03-05        | MEAN    | 43.4  | 43.3  | 45.2  | 49.5  | 55.5  | 61.2  | 63.7  | 63.6  | 60.4  | 55.7  | 50.2  | 46.6  | 53.3  |
|              | SD      | 6.525 | 6.720 | 6.137 | 4.160 | 4.144 | 4.264 | 3.796 | 3.980 | 4.109 | 5.379 | 6.150 | 6.035 | 4.102 |
|              | TOT OBS | 884   | 805   | 890   | 870   | 912   | 870   | 902   | 894   | 860   | 905   | 858   | 890   | 10540 |
| 06-08        | MEAN    | 43.1  | 43.1  | 45.1  | 50.1  | 56.9  | 62.8  | 64.8  | 64.2  | 60.9  | 55.8  | 50.1  | 46.2  | 53.7  |
|              | SD      | 6.545 | 6.656 | 6.149 | 4.308 | 4.302 | 4.270 | 3.858 | 3.848 | 4.030 | 5.392 | 6.188 | 5.964 | 4.506 |
|              | TOT OBS | 895   | 799   | 895   | 873   | 911   | 874   | 905   | 905   | 862   | 908   | 864   | 883   | 10574 |
| 09-11        | MEAN    | 45.5  | 45.6  | 48.4  | 53.7  | 60.1  | 65.6  | 67.8  | 67.4  | 64.3  | 58.9  | 52.9  | 48.8  | 56.7  |
|              | SD      | 6.294 | 6.513 | 6.221 | 4.226 | 4.094 | 3.985 | 3.683 | 3.786 | 3.993 | 5.622 | 5.924 | 5.759 | 4.588 |
|              | TOT OBS | 892   | 796   | 889   | 881   | 915   | 864   | 897   | 901   | 881   | 908   | 865   | 895   | 10584 |
| 12-14        | MEAN    | 47.3  | 47.1  | 50.1  | 55.3  | 61.5  | 66.8  | 69.3  | 69.4  | 66.3  | 60.5  | 54.5  | 50.5  | 58.3  |
|              | SD      | 6.159 | 6.675 | 6.194 | 4.218 | 3.854 | 3.928 | 3.707 | 3.769 | 4.114 | 5.653 | 5.692 | 5.676 | 4.568 |
|              | TOT OBS | 889   | 798   | 896   | 875   | 899   | 870   | 904   | 904   | 884   | 904   | 864   | 888   | 10575 |
| 15-17        | MEAN    | 47.0  | 46.9  | 50.2  | 55.1  | 61.3  | 66.7  | 69.1  | 68.9  | 66.1  | 60.1  | 54.0  | 50.0  | 58.1  |
|              | SD      | 6.205 | 6.532 | 6.237 | 4.212 | 3.840 | 3.939 | 3.624 | 3.682 | 4.069 | 5.663 | 5.825 | 5.654 | 4.553 |
|              | TOT OBS | 898   | 802   | 892   | 874   | 901   | 862   | 903   | 906   | 878   | 901   | 856   | 891   | 10564 |
| 18-20        | MEAN    | 45.5  | 45.6  | 48.4  | 53.1  | 59.2  | 64.7  | 67.3  | 66.9  | 63.9  | 58.3  | 52.2  | 48.6  | 56.2  |
|              | SD      | 6.297 | 6.459 | 6.294 | 4.146 | 3.798 | 4.051 | 3.882 | 3.970 | 4.087 | 5.610 | 5.913 | 5.764 | 4.412 |
|              | TOT OBS | 892   | 797   | 904   | 876   | 907   | 864   | 907   | 903   | 877   | 906   | 878   | 898   | 10606 |
| 21-23        | MEAN    | 44.6  | 44.7  | 47.2  | 51.5  | 57.4  | 63.4  | 65.7  | 65.5  | 62.3  | 57.1  | 51.3  | 47.6  | 54.9  |
|              | SD      | 6.314 | 6.563 | 6.093 | 4.061 | 3.794 | 4.274 | 4.116 | 4.239 | 4.196 | 5.425 | 6.028 | 5.883 | 4.267 |
|              | TOT OBS | 892   | 800   | 893   | 877   | 906   | 869   | 910   | 900   | 868   | 917   | 876   | 908   | 10616 |
| ALL<br>HOURS | MEAN    | 45.1  | 45.1  | 47.6  | 52.4  | 58.6  | 64.2  | 66.6  | 66.4  | 63.2  | 57.9  | 52.0  | 48.2  | 55.7  |
|              | SD      | 6.495 | 6.727 | 6.475 | 4.685 | 4.518 | 4.570 | 4.306 | 4.422 | 4.638 | 5.789 | 6.197 | 6.014 | 4.578 |
|              | TOT OBS | 7141  | 6403  | 7157  | 6996  | 7262  | 6947  | 7230  | 7209  | 6972  | 7267  | 6929  | 7153  | 84659 |

GLOBAL CLIMATOLOGY BRANCH  
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DEW-POINT TEMPERATURES DEG F FROM  
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 16716C STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87

| HOURS<br>LST | STATS   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANN    |
|--------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 00-02        | MEAN    | 39.7  | 39.7  | 42.0  | 46.4  | 51.9  | 57.0  | 58.4  | 58.0  | 54.9  | 51.5  | 46.7  | 43.1  | 49.2   |
|              | SD      | 8.131 | 8.427 | 7.916 | 5.992 | 5.923 | 6.720 | 6.810 | 7.109 | 6.799 | 7.145 | 8.334 | 7.879 | 9.943  |
|              | TOT OBS | 899   | 806   | 901   | 870   | 911   | 874   | 902   | 896   | 862   | 911   | 868   | 900   | 10600  |
| 03-05        | MEAN    | 39.2  | 39.0  | 41.0  | 45.3  | 51.3  | 56.2  | 57.3  | 57.0  | 54.2  | 51.1  | 46.2  | 42.6  | 48.5   |
|              | SD      | 8.291 | 8.491 | 7.761 | 5.705 | 5.688 | 6.200 | 6.166 | 6.333 | 6.281 | 7.024 | 8.136 | 7.701 | 9.710  |
|              | TOT OBS | 884   | 805   | 890   | 870   | 912   | 870   | 902   | 894   | 860   | 905   | 858   | 890   | 10540  |
| 06-08        | MEAN    | 38.8  | 38.9  | 41.1  | 45.5  | 51.8  | 56.9  | 57.6  | 57.1  | 54.5  | 51.1  | 46.1  | 42.1  | 48.5   |
|              | SD      | 8.366 | 8.425 | 7.751 | 5.854 | 5.706 | 6.081 | 6.023 | 5.982 | 6.016 | 6.998 | 8.098 | 7.645 | 9.820  |
|              | TOT OBS | 895   | 799   | 895   | 873   | 911   | 874   | 905   | 905   | 862   | 908   | 864   | 883   | 10574  |
| 09-11        | MEAN    | 39.9  | 39.9  | 42.6  | 47.4  | 53.4  | 58.0  | 58.9  | 58.4  | 55.6  | 52.2  | 47.3  | 43.3  | 49.8   |
|              | SD      | 8.468 | 8.496 | 8.081 | 6.025 | 6.235 | 6.477 | 6.414 | 6.627 | 6.460 | 7.274 | 8.251 | 7.766 | 10.013 |
|              | TOT OBS | 892   | 796   | 889   | 881   | 915   | 864   | 897   | 901   | 881   | 908   | 865   | 895   | 10584  |
| 12-14        | MEAN    | 40.3  | 40.2  | 43.4  | 48.0  | 53.7  | 58.0  | 59.6  | 59.6  | 56.7  | 52.5  | 47.6  | 43.9  | 50.4   |
|              | SD      | 8.691 | 8.738 | 8.304 | 6.126 | 6.314 | 7.022 | 6.910 | 7.248 | 7.347 | 7.716 | 8.272 | 8.227 | 10.344 |
|              | TOT OBS | 889   | 798   | 896   | 875   | 899   | 870   | 904   | 904   | 884   | 904   | 864   | 888   | 10575  |
| 15-17        | MEAN    | 40.3  | 40.0  | 43.4  | 48.0  | 53.4  | 57.7  | 58.9  | 58.7  | 56.5  | 52.4  | 47.5  | 43.8  | 50.1   |
|              | SD      | 8.829 | 8.727 | 8.349 | 6.241 | 6.196 | 7.156 | 6.880 | 7.338 | 7.264 | 7.888 | 8.461 | 8.223 | 10.259 |
|              | TOT OBS | 898   | 802   | 892   | 874   | 901   | 862   | 903   | 906   | 878   | 901   | 856   | 891   | 10564  |
| 18-20        | MEAN    | 40.1  | 40.1  | 43.0  | 46.9  | 52.3  | 56.5  | 58.2  | 57.6  | 55.7  | 52.3  | 46.9  | 43.5  | 49.5   |
|              | SD      | 8.377 | 8.676 | 8.380 | 6.337 | 6.497 | 7.197 | 7.166 | 7.400 | 7.193 | 7.626 | 8.384 | 8.034 | 10.027 |
|              | TOT OBS | 892   | 797   | 901   | 876   | 907   | 864   | 907   | 903   | 877   | 906   | 878   | 898   | 10606  |
| 21-23        | MEAN    | 39.7  | 39.7  | 42.5  | 46.5  | 51.7  | 56.8  | 57.9  | 57.8  | 55.2  | 51.6  | 46.6  | 43.1  | 49.2   |
|              | SD      | 8.322 | 8.631 | 7.998 | 6.054 | 6.287 | 7.278 | 7.515 | 7.571 | 7.144 | 7.297 | 8.329 | 7.925 | 10.051 |
|              | TOT OBS | 892   | 800   | 893   | 877   | 906   | 869   | 910   | 900   | 868   | 917   | 876   | 908   | 10616  |
| ALL<br>HOURS | MEAN    | 39.8  | 39.7  | 42.4  | 46.8  | 52.4  | 57.1  | 58.3  | 58.0  | 55.4  | 51.8  | 46.9  | 43.2  | 49.4   |
|              | SD      | 8.447 | 8.583 | 8.115 | 6.116 | 6.171 | 6.807 | 6.786 | 7.017 | 6.878 | 7.394 | 8.297 | 7.945 | 10.044 |
|              | TOT OBS | 7141  | 6403  | 7157  | 6996  | 7262  | 6947  | 7230  | 7209  | 6972  | 7260  | 6929  | 7153  | 84659  |

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 75-87  
 MONTH: JAN

| MONTH | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |      |      |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NUM<br>OBS |
|-------|----------------|--|-------|-------|------|------|------|------|------|------|------------------------------|---------------------|
|       |                | 10%  | 20%   | 30%   | 40%  | 50%  | 60%  | 70%  | 80%  | 90%  |                              |                     |
| JAN   | 00-02          | 100.0  | 100.0 | 100.0 | 99.7 | 97.1 | 86.5 | 65.1 | 29.1 | 7.6  | 74.1                         | 899                 |
|       | 03-05          | 100.0  | 100.0 | 100.0 | 99.5 | 97.3 | 88.5 | 67.3 | 34.6 | 10.7 | 75.3                         | 884                 |
|       | 06-08          | 100.0  | 100.0 | 99.8  | 99.1 | 97.4 | 88.9 | 67.5 | 33.5 | 10.3 | 75.2                         | 895                 |
|       | 09-11          | 100.0  | 100.0 | 99.8  | 98.4 | 91.3 | 73.0 | 46.3 | 17.7 | 3.1  | 68.4                         | 892                 |
|       | 12-14          | 100.0  | 100.0 | 98.9  | 94.6 | 80.7 | 57.4 | 28.8 | 9.3  | 1.5  | 62.3                         | 889                 |
|       | 15-17          | 100.0  | 99.9  | 99.0  | 94.3 | 81.7 | 59.8 | 33.4 | 8.6  | 1.2  | 63.2                         | 898                 |
|       | 18-20          | 100.0  | 100.0 | 99.9  | 99.0 | 92.3 | 76.5 | 50.6 | 18.3 | 2.2  | 69.3                         | 892                 |
|       | 21-23          | 100.0  | 100.0 | 99.9  | 99.8 | 94.7 | 82.6 | 59.4 | 23.7 | 4.1  | 71.7                         | 892                 |
|       | TOTALS         | 100.0  | 100.0 | 99.7  | 98.1 | 91.6 | 76.7 | 52.3 | 21.9 | 5.1  | 69.9                         | 7141                |



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS SR

PERIOD OF RECORD: 79-87  
 MONTH: FEB

| MONTH | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |      |      |      |      |     | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NUM<br>OBS |
|-------|----------------|--|-------|-------|-------|------|------|------|------|-----|------------------------------|---------------------|
|       |                | 10%  | 20%   | 30%   | 40%   | 50%  | 60%  | 70%  | 80%  | 90% |                              |                     |
| FEB   | 00-02          | 100.0  | 100.0 | 100.0 | 100.0 | 96.5 | 85.7 | 61.2 | 28.3 | 7.1 | 73.5                         | 806                 |
|       | 03-05          | 100.0  | 100.0 | 100.0 | 100.0 | 97.5 | 86.8 | 64.6 | 32.4 | 8.7 | 74.8                         | 805                 |
|       | 06-08          | 100.0  | 100.0 | 100.0 | 100.0 | 97.9 | 87.9 | 67.2 | 36.0 | 8.1 | 75.2                         | 795                 |
|       | 09-11          | 100.0  | 100.0 | 99.9  | 99.2  | 91.5 | 73.1 | 44.0 | 14.8 | 1.5 | 67.9                         | 796                 |
|       | 12-14          | 100.0  | 100.0 | 99.7  | 96.5  | 82.3 | 56.0 | 24.1 | 8.8  | 1.6 | 62.3                         | 796                 |
|       | 15-17          | 100.0  | 100.0 | 99.5  | 96.8  | 83.7 | 55.5 | 26.7 | 7.1  | 1.2 | 62.4                         | 802                 |
|       | 18-20          | 100.0  | 100.0 | 99.9  | 98.9  | 93.5 | 74.3 | 46.7 | 16.4 | 2.3 | 68.5                         | 797                 |
|       | 21-23          | 100.0  | 100.0 | 100.0 | 99.9  | 96.4 | 80.9 | 55.0 | 22.8 | 4.5 | 71.5                         | 800                 |
|       | TOTALS         | 100.0  | 100.0 | 99.9  | 98.9  | 92.4 | 75.0 | 48.7 | 20.8 | 4.4 | 69.5                         | 6403                |

GLOBAL CLIMATOLOGY BRANCH  
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 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: MAR

| MONTH | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |      |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NUM<br>OBS |
|-------|----------------|--|-------|-------|-------|------|------|------|------|------|------------------------------|---------------------|
|       |                | 10%  | 20%   | 30%   | 40%   | 50%  | 60%  | 70%  | 80%  | 90%  |                              |                     |
| MAR   | 00-02          | 100.0  | 100.0 | 100.0 | 100.0 | 97.1 | 88.6 | 66.0 | 33.0 | 7.5  | 74.7                         | 901                 |
|       | 03-05          | 100.0  | 100.0 | 100.0 | 100.0 | 97.4 | 88.2 | 68.7 | 36.2 | 10.0 | 75.6                         | 890                 |
|       | 06-08          | 100.0  | 100.0 | 100.0 | 100.0 | 97.8 | 89.6 | 69.3 | 36.1 | 8.8  | 75.8                         | 895                 |
|       | 09-11          | 100.0  | 100.0 | 100.0 | 98.8  | 90.2 | 68.5 | 39.7 | 12.5 | 2.1  | 66.6                         | 889                 |
|       | 12-14          | 100.0  | 100.0 | 99.8  | 96.1  | 81.5 | 53.3 | 24.6 | 5.7  | 1.7  | 61.8                         | 896                 |
|       | 15-17          | 100.0  | 100.0 | 99.7  | 95.5  | 82.6 | 52.8 | 25.1 | 5.3  | 1.1  | 61.7                         | 892                 |
|       | 18-20          | 100.0  | 100.0 | 100.0 | 98.6  | 91.3 | 74.1 | 46.3 | 16.1 | 2.2  | 68.3                         | 901                 |
|       | 21-23          | 100.0  | 100.0 | 100.0 | 99.9  | 96.1 | 81.9 | 58.2 | 25.9 | 5.9  | 72.3                         | 893                 |
|       | TOTALS         | 100.0  | 100.0 | 99.9  | 98.6  | 91.8 | 74.6 | 49.7 | 21.4 | 4.9  | 69.6                         | 7157                |

GLOBAL CLIMATOLOGY BRANCH  
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 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: APR

| MONTH | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |      |      |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NUM<br>OBS |
|-------|----------------|--|-------|-------|------|------|------|------|------|------|------------------------------|---------------------|
|       |                | 10%  | 20%   | 30%   | 40%  | 50%  | 60%  | 70%  | 80%  | 90%  |                              |                     |
| APR   | 00-02          | 100.0  | 100.0 | 99.8  | 99.2 | 94.0 | 81.9 | 61.6 | 29.2 | 8.2  | 72.8                         | 870                 |
|       | 03-05          | 100.0  | 100.0 | 100.0 | 99.4 | 95.9 | 86.0 | 66.7 | 32.6 | 9.7  | 74.3                         | 871                 |
|       | 06-08          | 100.0  | 100.0 | 99.9  | 99.1 | 95.6 | 81.0 | 59.1 | 23.5 | 6.1  | 71.8                         | 873                 |
|       | 09-11          | 100.0  | 100.0 | 99.5  | 96.6 | 85.7 | 51.9 | 26.2 | 8.2  | 1.9  | 62.6                         | 881                 |
|       | 12-14          | 100.0  | 99.9  | 98.4  | 91.8 | 73.3 | 39.5 | 17.0 | 4.8  | .9   | 58.2                         | 875                 |
|       | 15-17          | 100.0  | 99.7  | 98.4  | 91.8 | 73.2 | 42.4 | 19.5 | 4.5  | .2   | 58.5                         | 874                 |
|       | 18-20          | 100.0  | 99.8  | 98.4  | 93.4 | 82.8 | 60.2 | 36.4 | 11.4 | 2.4  | 64.1                         | 876                 |
|       | 21-23          | 100.0  | 100.0 | 99.4  | 97.5 | 90.3 | 74.2 | 51.7 | 21.8 | 5.4  | 69.3                         | 877                 |
|       | TOTALS         |  | 100.0 | 99.9  | 99.2 | 96.1 | 86.4 | 64.6 | 42.3 | 17.0 | 4.4                          | 66.5                |

GLOBAL CLIMATOLOGY BRANCH  
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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: MAY

| MONTH | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |      |      |      |      |      |      |     | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NUM<br>OBS |
|-------|----------------|--|-------|------|------|------|------|------|------|-----|------------------------------|---------------------|
|       |                | 10%  | 20%   | 30%  | 40%  | 50%  | 60%  | 70%  | 80%  | 90% |                              |                     |
| MAY   | 00-02          | 100.0  | 100.0 | 99.7 | 95.6 | 90.3 | 74.4 | 54.2 | 22.5 | 3.4 | 69.8                         | 911                 |
|       | 03-05          | 100.0  | 100.0 | 99.9 | 97.7 | 93.2 | 79.7 | 62.1 | 28.0 | 4.9 | 72.5                         | 912                 |
|       | 06-08          | 100.0  | 100.0 | 99.5 | 97.1 | 89.8 | 73.3 | 45.0 | 13.1 | 3.0 | 67.6                         | 911                 |
|       | 09-11          | 100.0  | 99.8  | 96.8 | 89.4 | 76.3 | 47.4 | 17.2 | 3.1  |     | 58.6                         | 915                 |
|       | 12-14          | 100.0  | 98.8  | 93.4 | 84.5 | 62.2 | 33.7 | 9.2  | 2.2  | .4  | 54.0                         | 899                 |
|       | 15-17          | 100.0  | 99.1  | 94.3 | 83.6 | 60.3 | 33.3 | 11.4 | 2.3  | .2  | 54.0                         | 901                 |
|       | 18-20          | 100.0  | 99.2  | 95.7 | 86.8 | 70.5 | 50.8 | 25.7 | 5.2  |     | 59.1                         | 907                 |
|       | 21-23          | 100.0  | 99.9  | 98.0 | 93.0 | 81.9 | 63.6 | 43.5 | 14.6 | 2.1 | 65.3                         | 906                 |
|       | TOTALS         | 100.0  | 99.6  | 97.2 | 91.0 | 78.1 | 56.9 | 33.5 | 11.4 | 1.8 | 62.6                         | 7262                |

GLOBAL CLIMATOLOGY BRANCH  
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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 79-87  
 MONTH: JUN

| MONTH | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |      |      |      |      |      |     | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NUM<br>OBS |
|-------|----------------|--|-------|-------|------|------|------|------|------|-----|------------------------------|---------------------|
|       |                | 10%  | 20%   | 30%   | 40%  | 50%  | 60%  | 70%  | 80%  | 90% |                              |                     |
| JUN   | 00-02          | 100.0  | 100.0 | 99.4  | 94.1 | 79.7 | 61.2 | 37.6 | 14.4 | 1.3 | 64.4                         | 874                 |
|       | 03-05          | 100.0  | 100.0 | 100.0 | 97.0 | 86.7 | 67.2 | 41.4 | 17.9 | 2.4 | 66.8                         | 870                 |
|       | 06-08          | 100.0  | 100.0 | 99.5  | 95.4 | 77.6 | 55.1 | 24.9 | 5.5  | .6  | 61.4                         | 874                 |
|       | 09-11          | 100.0  | 100.0 | 96.1  | 81.7 | 59.5 | 27.1 | 6.3  | .2   |     | 52.6                         | 864                 |
|       | 12-14          | 100.0  | 98.6  | 88.2  | 73.7 | 43.7 | 13.1 | 1.6  |      |     | 47.7                         | 870                 |
|       | 15-17          | 100.0  | 97.9  | 66.3  | 67.3 | 42.8 | 14.6 | 1.6  |      |     | 46.9                         | 862                 |
|       | 18-20          | 100.0  | 99.0  | 91.1  | 75.0 | 50.8 | 28.1 | 10.0 | 1.4  | .1  | 51.1                         | 864                 |
|       | 21-23          | 100.0  | 99.5  | 96.2  | 87.5 | 70.1 | 49.9 | 28.7 | 7.6  | .1  | 59.4                         | 869                 |
|       | TOTALS         |  | 100.0 | 99.4  | 94.6 | 84.0 | 63.9 | 39.5 | 19.0 | 5.9 | .6                           | 56.3                |

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: JUL

| MONTH | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |      |      |      |      |      |     |     | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NUM<br>OBS |
|-------|----------------|--|-------|------|------|------|------|------|-----|-----|------------------------------|---------------------|
|       |                | 10%  | 20%   | 30%  | 40%  | 50%  | 60%  | 70%  | 80% | 90% |                              |                     |
| JUL   | 00-02          | 100.0  | 100.0 | 98.9 | 85.4 | 62.6 | 44.2 | 22.8 | 6.4 |     | 57.6                         | 902                 |
|       | 03-05          | 100.0  | 99.9  | 99.6 | 93.2 | 68.2 | 44.9 | 24.5 | 6.4 |     | 59.2                         | 902                 |
|       | 06-08          | 100.0  | 99.9  | 99.2 | 89.3 | 58.5 | 33.1 | 10.3 | 1.7 | .2  | 54.8                         | 905                 |
|       | 09-11          | 100.0  | 99.8  | 91.6 | 63.7 | 36.7 | 10.7 | 1.1  | .3  | .2  | 46.3                         | 897                 |
|       | 12-14          | 100.0  | 97.6  | 79.8 | 56.3 | 30.3 | 4.5  | .9   | .4  |     | 42.7                         | 904                 |
|       | 15-17          | 100.0  | 97.7  | 75.1 | 48.6 | 26.9 | 7.3  | 1.0  |     |     | 41.6                         | 903                 |
|       | 18-20          | 100.0  | 99.8  | 84.8 | 58.8 | 37.6 | 17.8 | 5.4  | .9  |     | 46.2                         | 927                 |
|       | 21-23          | 100.0  | 99.9  | 93.2 | 73.7 | 52.5 | 34.8 | 15.5 | 3.7 | .4  | 53.0                         | 910                 |
|       | TOTALS         | 100.0  | 99.3  | 90.3 | 71.1 | 46.7 | 24.7 | 10.2 | 2.5 | .1  | 50.2                         | 7230                |

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 7P-87  
 MONTH: AUG

| MONTH | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |      |      |      |      |     |     | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NUM<br>OBS |
|-------|----------------|--|-------|-------|------|------|------|------|-----|-----|------------------------------|---------------------|
|       |                | 10%  | 20%   | 30%   | 40%  | 50%  | 60%  | 70%  | 80% | 90% |                              |                     |
| AUG   | 00-02          | 100.0  | 100.0 | 98.5  | 87.1 | 60.9 | 41.9 | 20.3 | 5.8 | .9  | 57.0                         | 896                 |
|       | 03-05          | 100.0  | 100.0 | 100.0 | 91.4 | 66.8 | 42.6 | 20.1 | 5.8 | .9  | 58.2                         | 894                 |
|       | 06-08          | 100.0  | 100.0 | 99.8  | 88.7 | 61.2 | 31.9 | 10.7 | 2.4 | .3  | 55.1                         | 905                 |
|       | 09-11          | 100.0  | 99.7  | 91.9  | 62.4 | 32.6 | 11.1 | 2.8  |     |     | 46.0                         | 901                 |
|       | 12-14          | 100.0  | 98.9  | 79.0  | 57.2 | 31.1 | 7.7  | 1.7  |     |     | 43.1                         | 904                 |
|       | 15-17          | 100.0  | 98.1  | 76.6  | 48.8 | 25.4 | 9.5  | 2.2  | .2  |     | 41.8                         | 906                 |
|       | 18-20          | 100.0  | 99.7  | 86.4  | 58.8 | 37.1 | 19.7 | 7.1  | 1.1 | .3  | 46.7                         | 903                 |
|       | 21-23          | 100.0  | 100.0 | 96.2  | 75.2 | 52.8 | 32.9 | 16.4 | 4.4 | .9  | 53.3                         | 900                 |
|       | TOTALS         | 100.0  | 99.6  | 91.1  | 71.2 | 46.0 | 24.7 | 10.2 | 2.5 | .4  | 50.2                         | 7205                |

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: SEP

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |      |      |      |      |      |     |     | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NUM<br>OBS |
|--------|----------------|--|-------|------|------|------|------|------|-----|-----|------------------------------|---------------------|
|        |                | 10%  | 20%   | 30%  | 40%  | 50%  | 60%  | 70%  | 80% | 90% |                              |                     |
| SEP    | 00-02          | 100.0  | 100.0 | 99.0 | 92.9 | 71.1 | 43.5 | 21.9 | 7.4 | .3  | 59.2                         | 862                 |
|        | 03-05          | 100.0  | 100.0 | 99.4 | 95.3 | 81.0 | 49.1 | 25.8 | 8.3 | .2  | 61.3                         | 861                 |
|        | 06-08          | 100.0  | 100.0 | 99.5 | 94.7 | 81.4 | 44.9 | 19.5 | 5.0 |     | 59.8                         | 862                 |
|        | 09-11          | 100.0  | 100.0 | 97.2 | 72.9 | 38.8 | 15.3 | 3.2  | .3  |     | 48.5                         | 881                 |
|        | 12-14          | 100.0  | 98.5  | 67.2 | 60.2 | 32.4 | 10.6 | 2.0  | .1  | .1  | 44.9                         | 884                 |
|        | 15-17          | 100.0  | 98.4  | 87.7 | 60.6 | 32.0 | 12.2 | 2.7  | .1  |     | 45.2                         | 876                 |
|        | 18-20          | 100.0  | 99.7  | 95.3 | 74.9 | 47.2 | 29.0 | 13.3 | 2.1 |     | 51.6                         | 877                 |
|        | 21-23          | 100.0  | 100.0 | 97.8 | 66.9 | 62.0 | 39.2 | 21.9 | 5.0 | .2  | 56.7                         | 866                 |
| TOTALS |                | 100.0  | 99.6  | 95.4 | 79.8 | 55.7 | 30.5 | 13.8 | 3.5 | .1  | 53.4                         | 6972                |



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: OCT

| MONTH | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |      |      |      |      |      |      | MEAN<br>[RELATIVE<br>HUMIDITY] | TOTAL<br>NUM<br>OBS |
|-------|----------------|--|-------|-------|------|------|------|------|------|------|--------------------------------|---------------------|
|       |                | 10%  | 20%   | 30%   | 40%  | 50%  | 60%  | 70%  | 80%  | 90%  |                                |                     |
| OCT   | 00-02          | 100.0  | 100.0 | 99.9  | 97.7 | 90.6 | 70.8 | 46.2 | 16.1 | 3.0  | 67.9                           | 911                 |
|       | 03-05          | 100.0  | 100.0 | 99.9  | 98.5 | 92.6 | 76.2 | 54.7 | 22.1 | 3.9  | 70.4                           | 935                 |
|       | 06-08          | 100.0  | 100.0 | 100.0 | 98.6 | 93.7 | 75.6 | 49.1 | 21.8 | 5.5  | 70.0                           | 908                 |
|       | 09-11          | 100.0  | 99.9  | 99.1  | 93.2 | 73.2 | 41.2 | 20.8 | 6.5  | 1.2  | 59.1                           | 906                 |
|       | 12-14          | 100.0  | 100.0 | 96.9  | 82.1 | 57.7 | 26.0 | 10.4 | 3.7  | .8   | 53.3                           | 904                 |
|       | 15-17          | 100.0  | 100.0 | 97.0  | 86.5 | 60.9 | 33.2 | 13.9 | 4.2  | 1.0  | 55.0                           | 901                 |
|       | 18-20          | 100.0  | 100.0 | 99.1  | 95.9 | 82.9 | 53.9 | 31.7 | 9.3  | .8   | 62.9                           | 906                 |
|       | 21-23          | 100.0  | 100.0 | 99.5  | 97.4 | 87.7 | 63.9 | 40.0 | 12.6 | 1.4  | 65.6                           | 917                 |
|       | TOTALS         |  | 100.0 | 100.0 | 98.9 | 93.7 | 79.9 | 55.1 | 33.4 | 12.0 | 2.2                            | 63.0                |

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: NOV

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |      |      |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NUM<br>OBS |
|--------|----------------|--|-------|-------|------|------|------|------|------|------|------------------------------|---------------------|
|        |                | 10%  | 20%   | 30%   | 40%  | 50%  | 60%  | 70%  | 80%  | 90%  |                              |                     |
| NOV    | 00-02          | 100.0  | 100.0 | 100.0 | 99.3 | 95.4 | 85.8 | 65.1 | 31.1 | 6.1  | 73.8                         | 866                 |
|        | 03-05          | 100.0  | 100.0 | 100.0 | 99.5 | 96.9 | 87.5 | 69.3 | 37.4 | 10.5 | 75.4                         | 856                 |
|        | 06-08          | 100.0  | 100.0 | 100.0 | 99.8 | 97.6 | 88.9 | 67.2 | 32.3 | 9.3  | 75.0                         | 864                 |
|        | 09-11          | 100.0  | 100.0 | 99.8  | 97.8 | 88.6 | 65.7 | 39.7 | 12.6 | 2.2  | 66.2                         | 865                 |
|        | 12-14          | 100.0  | 100.0 | 99.2  | 94.9 | 75.7 | 48.3 | 24.5 | 6.6  | 1.6  | 60.5                         | 864                 |
|        | 15-17          | 100.0  | 100.0 | 98.7  | 95.9 | 79.4 | 52.9 | 29.7 | 8.6  | 2.0  | 62.3                         | 856                 |
|        | 18-20          | 100.0  | 100.0 | 100.0 | 98.5 | 91.6 | 69.9 | 46.8 | 16.7 | 3.9  | 68.1                         | 876                 |
|        | 21-23          | 100.0  | 100.0 | 100.0 | 99.3 | 93.9 | 80.0 | 55.9 | 24.1 | 4.5  | 71.4                         | 876                 |
| TOTALS |                | 100.0  | 100.0 | 99.7  | 98.1 | 89.9 | 72.4 | 49.8 | 21.2 | 5.0  | 69.1                         | 6924                |

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: DEC

| MONTH | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |      |      |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NUM<br>OBS |
|-------|----------------|--|-------|-------|------|------|------|------|------|------|------------------------------|---------------------|
|       |                | 10%  | 20%   | 30%   | 40%  | 50%  | 60%  | 70%  | 80%  | 90%  |                              |                     |
| DEC   | 00-02          | 100.0  | 100.0 | 100.0 | 99.9 | 95.9 | 85.8 | 65.3 | 30.1 | 6.9  | 74.1                         | 900                 |
|       | 03-05          | 100.0  | 100.0 | 100.0 | 99.9 | 96.7 | 89.0 | 69.1 | 35.7 | 10.8 | 75.5                         | 890                 |
|       | 06-08          | 100.0  | 100.0 | 100.0 | 99.5 | 97.6 | 88.3 | 66.9 | 33.7 | 8.9  | 75.2                         | 883                 |
|       | 09-11          | 100.0  | 100.0 | 99.7  | 98.9 | 92.7 | 73.1 | 47.5 | 15.2 | 1.9  | 68.2                         | 895                 |
|       | 12-14          | 100.0  | 100.0 | 99.4  | 95.4 | 82.9 | 57.3 | 30.1 | 7.7  | 2.1  | 62.9                         | 866                 |
|       | 15-17          | 100.0  | 100.0 | 99.7  | 96.0 | 85.0 | 62.0 | 34.5 | 8.5  | 1.3  | 64.3                         | 891                 |
|       | 18-20          | 100.0  | 100.0 | 100.0 | 98.7 | 93.0 | 79.8 | 52.7 | 19.4 | 3.2  | 70.0                         | 896                 |
|       | 21-23          | 100.0  | 100.0 | 100.0 | 99.6 | 95.3 | 83.9 | 60.7 | 27.8 | 5.5  | 72.7                         | 906                 |
|       | TOTALS         | 100.0  | 100.0 | 99.9  | 98.5 | 92.4 | 77.4 | 53.4 | 22.3 | 5.1  | 70.4                         | 7153                |

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87  
 MONTH: ALL

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |      |      |      |      |      |      |     | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NUM<br>OBS |
|--------|----------------|--|-------|------|------|------|------|------|------|-----|------------------------------|---------------------|
|        |                | 10%  | 20%   | 30%  | 40%  | 50%  | 60%  | 70%  | 80%  | 90% |                              |                     |
| JAN    | ALL            | 100.0  | 100.0 | 99.7 | 98.1 | 91.6 | 76.7 | 52.3 | 21.9 | 5.1 | 69.9                         | 7141                |
| FEB    |                | 100.0  | 100.0 | 99.9 | 98.9 | 92.4 | 75.0 | 48.7 | 20.8 | 4.4 | 69.5                         | 6403                |
| MAR    |                | 100.0  | 100.0 | 99.9 | 98.6 | 91.8 | 74.6 | 49.7 | 21.4 | 4.9 | 69.6                         | 7157                |
| APR    |                | 100.0  | 99.9  | 99.2 | 96.1 | 86.4 | 64.6 | 42.3 | 17.0 | 4.4 | 66.5                         | 6996                |
| MAY    |                | 100.0  | 99.6  | 97.2 | 91.0 | 78.1 | 56.9 | 33.5 | 11.4 | 1.8 | 62.6                         | 7261                |
| JUN    |                | 100.0  | 99.4  | 94.6 | 84.0 | 63.9 | 39.5 | 19.0 | 5.9  | .6  | 56.3                         | 6947                |
| JUL    |                | 100.0  | 99.3  | 90.3 | 71.1 | 46.7 | 24.7 | 10.2 | 2.5  | .1  | 50.2                         | 7231                |
| AUG    |                | 100.0  | 99.6  | 91.1 | 71.2 | 46.0 | 24.7 | 10.2 | 2.5  | .4  | 50.2                         | 7205                |
| SEP    |                | 100.0  | 99.6  | 95.4 | 79.8 | 55.7 | 30.5 | 13.8 | 3.5  | .1  | 53.4                         | 6972                |
| OCT    |                | 100.0  | 100.0 | 98.9 | 93.7 | 79.9 | 55.1 | 33.4 | 12.0 | 2.2 | 63.0                         | 7261                |
| NOV    |                | 100.0  | 100.0 | 99.7 | 98.1 | 89.9 | 72.4 | 49.8 | 21.2 | 5.0 | 69.1                         | 6925                |
| DEC    |                | 100.0  | 100.0 | 99.9 | 98.5 | 92.4 | 77.4 | 53.4 | 22.3 | 5.1 | 70.4                         | 7152                |
| TOTALS |                | 100.0  | 99.8  | 97.2 | 89.9 | 76.2 | 56.0 | 34.7 | 13.5 | 2.8 | 62.6                         | 84654               |

|          |             |          |           |           |
|----------|-------------|----------|-----------|-----------|
| PPPPPPp  | AAAAA       | RRRRRRR  | TTTTTTTTT | FFFFFFFFF |
| PPPPPPPP | AAAAAAA     | RRRRRRRR | TTTTTTTTT | FFFFFFFFF |
| PP PP    | AA AA       | RR RR    | TT        | FF        |
| PP PP    | AA AA       | RR RR    | TT        | FF        |
| PPPPPPPP | AA AA       | RRRRRRRR | TT        | FFFFFFF   |
| PPPPPPPP | AAAAAAA AAA | RRRRRRR  | TT        | FFFFFFF   |
| PP       | AAAAAAA AAA | RR RR    | TT        | FF        |
| PP       | AA AA       | RR RR    | TT        | FF        |
| PP       | AA AA       | RR RR    | TT        | FF        |
| PP       | AA AA       | RR RR    | TT        | FF        |

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  
USAFETAC  
AIR WEATHER SERVICE/MAC

STATION PRESSURE IN INCHES HG FROM  
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 16716C STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87

| HOURS<br>LST | STATS   | JAN    | FEB    | MAR    | APR    | MAY    | JUN    | JUL    | AUG    | SEP    | OCT    | NOV    | DEC    | ANN    |
|--------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 02           | MEAN    | 29.998 | 29.914 | 29.899 | 29.814 | 29.816 | 29.809 | 29.773 | 29.794 | 29.865 | 29.947 | 29.956 | 29.897 | 29.866 |
|              | SD      | .230   | .238   | .184   | .178   | .117   | .104   | .086   | .091   | .097   | .147   | .205   | .230   | .174   |
|              | TOT OBS | 55     | 57     | 68     | 62     | 83     | 80     | 90     | 90     | 79     | 76     | 77     | 63     | 880    |
| 05           | MEAN    | 29.944 | 29.889 | 29.840 | 29.818 | 29.797 | 29.792 | 29.762 | 29.788 | 29.862 | 29.956 | 29.951 | 29.895 | 29.855 |
|              | SD      | .232   | .237   | .208   | .157   | .118   | .094   | .076   | .083   | .101   | .131   | .201   | .244   | .173   |
|              | TOT OBS | 64     | 71     | 67     | 55     | 100    | 100    | 106    | 104    | 100    | 103    | 96     | 84     | 1050   |
| 08           | MEAN    | 29.939 | 29.908 | 29.865 | 29.830 | 29.809 | 29.807 | 29.783 | 29.808 | 29.881 | 29.956 | 29.979 | 29.916 | 29.872 |
|              | SD      | .259   | .233   | .181   | .146   | .113   | .104   | .090   | .085   | .097   | .139   | .210   | .244   | .175   |
|              | TOT OBS | 83     | 77     | 79     | 71     | 110    | 117    | 108    | 118    | 120    | 126    | 102    | 95     | 1206   |
| 11           | MEAN    | 30.008 | 29.929 | 29.895 | 29.813 | 29.826 | 29.825 | 29.787 | 29.809 | 29.879 | 29.980 | 29.985 | 29.949 | 29.890 |
|              | SD      | .241   | .240   | .178   | .174   | .126   | .093   | .088   | .089   | .108   | .154   | .204   | .251   | .184   |
|              | TOT OBS | 80     | 89     | 80     | 66     | 115    | 94     | 109    | 118    | 93     | 125    | 101    | 95     | 1165   |
| 14           | MEAN    | 29.919 | 29.907 | 29.872 | 29.815 | 29.807 | 29.795 | 29.776 | 29.789 | 29.866 | 29.954 | 29.973 | 29.872 | 29.860 |
|              | SD      | .238   | .218   | .181   | .162   | .126   | .119   | .079   | .090   | .091   | .139   | .199   | .228   | .171   |
|              | TOT OBS | 89     | 89     | 76     | 77     | 103    | 116    | 114    | 125    | 111    | 132    | 95     | 90     | 1217   |
| 17           | MEAN    | 29.885 | 29.895 | 29.835 | 29.791 | 29.781 | 29.788 | 29.755 | 29.768 | 29.846 | 29.936 | 29.966 | 29.878 | 29.842 |
|              | SD      | .269   | .242   | .167   | .160   | .133   | .099   | .075   | .090   | .086   | .136   | .205   | .239   | .174   |
|              | TOT OBS | 68     | 83     | 76     | 80     | 108    | 109    | 102    | 126    | 113    | 122    | 103    | 73     | 1163   |
| 20           | MEAN    | 29.925 | 29.921 | 29.845 | 29.804 | 29.793 | 29.789 | 29.761 | 29.776 | 29.878 | 29.951 | 29.998 | 29.899 | 29.859 |
|              | SD      | .228   | .202   | .168   | .153   | .118   | .100   | .087   | .094   | .093   | .144   | .161   | .253   | .172   |
|              | TOT OBS | 78     | 74     | 82     | 72     | 106    | 94     | 98     | 104    | 87     | 110    | 87     | 85     | 1077   |
| 23           | MEAN    | 29.915 | 29.911 | 29.854 | 29.825 | 29.820 | 29.812 | 29.783 | 29.799 | 29.880 | 29.978 | 29.993 | 29.915 | 29.874 |
|              | SD      | .252   | .202   | .164   | .149   | .119   | .106   | .084   | .092   | .095   | .138   | .195   | .243   | .172   |
|              | TOT OBS | 78     | 74     | 75     | 63     | 110    | 108    | 100    | 113    | 96     | 117    | 97     | 94     | 1125   |
| ALL<br>HOURS | MEAN    | 29.940 | 29.909 | 29.863 | 29.813 | 29.806 | 29.802 | 29.773 | 29.761 | 29.869 | 29.958 | 29.975 | 29.904 | 29.865 |
|              | SD      | .246   | .226   | .179   | .160   | .122   | .103   | .084   | .090   | .096   | .141   | .198   | .242   | .175   |
|              | TOT OBS | 595    | 614    | 603    | 546    | 835    | 818    | 827    | 898    | 799    | 911    | 758    | 679    | 8883   |

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

SEA LEVEL PRESSURE IN MBS FROM  
 HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 16716C STATION NAME: ELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 76-87

| HOURS<br>LST | STATS   | JAN    | FEB    | MAR    | APR    | MAY    | JUN    | JUL    | AUG    | SEP    | OCT    | NOV    | DEC    | ANN    |
|--------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 02           | MEAN    | 1016.0 | 1016.4 | 1015.7 | 1013.7 | 1013.6 | 1013.1 | 1012.6 | 1012.8 | 1015.8 | 1018.4 | 1018.7 | 1017.6 | 1015.4 |
|              | SD      | 8.315  | 7.787  | 6.536  | 5.063  | 3.846  | 3.552  | 3.065  | 3.183  | 3.468  | 4.611  | 7.106  | 7.509  | 5.989  |
|              | TOT OBS | 303    | 275    | 305    | 293    | 304    | 294    | 304    | 303    | 293    | 308    | 294    | 305    | 3581   |
| 05           | MEAN    | 1015.8 | 1015.8 | 1015.1 | 1013.2 | 1013.1 | 1012.8 | 1012.3 | 1012.5 | 1015.4 | 1017.9 | 1018.3 | 1017.1 | 1014.9 |
|              | SD      | 7.932  | 7.766  | 6.261  | 5.243  | 3.919  | 3.521  | 3.054  | 3.222  | 3.516  | 4.678  | 7.346  | 7.599  | 5.986  |
|              | TOT OBS | 305    | 271    | 303    | 293    | 305    | 299    | 300    | 303    | 292    | 306    | 285    | 307    | 3569   |
| 08           | MEAN    | 1016.2 | 1016.2 | 1015.5 | 1013.8 | 1013.9 | 1013.5 | 1012.9 | 1013.1 | 1016.0 | 1018.5 | 1018.7 | 1017.5 | 1015.5 |
|              | SD      | 8.073  | 7.672  | 6.564  | 5.310  | 3.985  | 3.539  | 3.053  | 3.193  | 3.526  | 4.725  | 7.382  | 7.655  | 6.617  |
|              | TOT OBS | 306    | 278    | 307    | 296    | 308    | 298    | 307    | 299    | 296    | 304    | 294    | 303    | 3596   |
| 11           | MEAN    | 1016.9 | 1016.8 | 1016.1 | 1014.3 | 1014.3 | 1013.8 | 1013.1 | 1013.4 | 1016.6 | 1019.1 | 1019.0 | 1018.3 | 1016.0 |
|              | SD      | 8.012  | 7.748  | 6.621  | 5.397  | 3.978  | 3.570  | 3.014  | 3.237  | 3.465  | 4.674  | 7.225  | 7.663  | 6.066  |
|              | TOT OBS | 305    | 274    | 308    | 297    | 302    | 292    | 301    | 299    | 295    | 308    | 295    | 306    | 3582   |
| 14           | MEAN    | 1015.5 | 1015.7 | 1015.2 | 1013.6 | 1013.7 | 1013.2 | 1012.5 | 1012.8 | 1015.6 | 1018.0 | 1018.1 | 1016.9 | 1015.1 |
|              | SD      | 8.030  | 7.697  | 6.571  | 5.249  | 4.078  | 3.539  | 3.046  | 3.197  | 3.353  | 4.548  | 7.197  | 7.563  | 5.941  |
|              | TOT OBS | 304    | 278    | 306    | 298    | 303    | 293    | 305    | 304    | 296    | 309    | 298    | 307    | 3600   |
| 17           | MEAN    | 1015.5 | 1015.6 | 1014.6 | 1012.9 | 1013.1 | 1012.5 | 1011.8 | 1011.9 | 1015.0 | 1017.6 | 1018.1 | 1016.8 | 1014.6 |
|              | SD      | 7.908  | 7.701  | 6.625  | 5.067  | 3.951  | 3.469  | 3.043  | 3.159  | 3.341  | 4.549  | 7.212  | 7.495  | 5.975  |
|              | TOT OBS | 300    | 271    | 296    | 287    | 304    | 280    | 301    | 293    | 287    | 297    | 287    | 301    | 3504   |
| 20           | MEAN    | 1016.2 | 1016.1 | 1015.2 | 1013.3 | 1013.4 | 1012.6 | 1012.2 | 1012.4 | 1015.5 | 1018.3 | 1018.6 | 1017.6 | 1015.1 |
|              | SD      | 7.990  | 7.808  | 6.506  | 4.992  | 3.981  | 3.470  | 3.080  | 3.205  | 3.330  | 4.642  | 7.162  | 7.411  | 6.029  |
|              | TOT OBS | 300    | 277    | 306    | 294    | 296    | 285    | 307    | 302    | 297    | 302    | 297    | 304    | 3567   |
| 23           | MEAN    | 1016.5 | 1016.5 | 1015.8 | 1014.1 | 1014.1 | 1013.4 | 1013.0 | 1013.1 | 1016.4 | 1018.8 | 1019.1 | 1017.8 | 1015.7 |
|              | SD      | 7.956  | 7.762  | 6.550  | 4.993  | 3.994  | 3.573  | 3.060  | 3.179  | 3.293  | 4.613  | 7.160  | 7.506  | 5.982  |
|              | TOT OBS | 292    | 274    | 298    | 290    | 302    | 290    | 294    | 289    | 284    | 301    | 285    | 302    | 3501   |
| ALL          | MEAN    | 1016.1 | 1016.2 | 1015.4 | 1013.6 | 1013.6 | 1013.1 | 1012.6 | 1012.8 | 1015.8 | 1018.3 | 1018.6 | 1017.4 | 1015.3 |
|              | SD      | 7.992  | 7.741  | 6.536  | 5.179  | 3.982  | 3.550  | 3.076  | 3.223  | 3.441  | 4.645  | 7.226  | 7.555  | 6.012  |
| HOURS        | TOT OBS | 2415   | 2198   | 2424   | 2348   | 2424   | 2331   | 2419   | 2392   | 2340   | 2434   | 2335   | 2435   | 28500  |



SUPPLEMENTAL DATA SECTION SPECIAL CAVEAT PAGE

1. GIVE PARTICULAR ATTENTION TO THE HOURS OF OPERATION PROVIDED AT BEGINNING OF THE LISOCs.
2. EXTREMES OCCURRING DURING NON-OPERATIONAL HOURS AND/OR DAYS WILL NOT REFLECT IN THESE SUMMARIES.
3. 24-HOUR PRECIPITATION (INCLUDING SNOWFALL AND SNOW DEPTH) VALUES MAY NOT REFLECT TRUE 24-HOUR AMOUNTS.
  - A. RECORDED PRECIPITATION AMOUNTS FOLLOWING WEEKENDS AND/OR HOLIDAYS FREQUENTLY REPRESENT AMOUNTS MEASURED FOR PERIODS GREATER THAN 24 HOURS.
  - B. PERIODS GREATER THAN 24 HOURS DO NOT TAKE INTO ACCOUNT EVAPORATION.
  - C. THIS 24-HOUR AMOUNT MAY, BUT MORE FREQUENTLY DOES NOT REPRESENT THE STANDARD CLIMATOLOGICAL 24-HOUR "MIDNIGHT TO MIDNIGHT" AMOUNT.
  - D. COMBINATIONS OF THE ABOVE LIMITATIONS TEND TO FURTHER EXAGGERATE THE QUESTIONABILITY OF THESE 24-HOUR AMOUNTS.
4. MONTHLY AMOUNTS OF PRECIPITATION (INCLUDING SNOWFALL) ARE NOT AS SERIOUSLY AFFECTED AS THE 24-HOUR VALUES. HOWEVER, EVAPORATION (SUBLIMATION) CAN CAUSE "BOGUS" AMOUNTS TO BE INCLUDED FOR NON-OPERATIONAL PERIODS WHERE THE VALUES ARE DEPENDENT ON THE LENGTH OF TIME OF THESE NON-OPERATIONAL PERIODS.
5. THE TEMPERATURES SUMMARIES REPRESENT THE "HIGH" AND "LOW" SUMMARIZED TEMPERATURES AND NOT THE ACTUAL MAXIMUM AND MINIMUM TEMPERATURES.

USAFETAC RECOMMENDS THAT COPIES OF FULL TIME PERIODS, WHEN AVAILABLE, BE ACCOMPANIED BY THE CAVEAT --EXTREMES OCCURRING OUTSIDE THE FULL TIME PERIOD SUMMARIZED ARE NOT REFLECTED IN THESE SUMMARIES.

USAFETAC ALSO RECOMMENDS LIMITED DISTRIBUTION OF THE LIMITED OR PART TIME PERIOD TO METEOROLOGIST (TECHNICIANS), AND BE ACCOMPANIED BY THIS CAVEAT PAGE.

SUPPLEMENTAL DATA SECTION--SUMMARY OF DAY DATA

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.

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 .05% 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 (HUNDRETHS)  
EXTREME DAILY SNOWFALL: ".0" EQUALS NONE FOR THE MONTH (TENTHS)  
EXTREME DAILY SNOW DEPTH: "0" EQUALS NONE FOR THE MONTH (WHOLE 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.

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.

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.

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

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

STATION NUMBER: 167160

STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-67

| TEMP(F)   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANNUA  |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| GE 105    |       |       |       |       |       |       | .3    |       |       |       |       |       | .0     |
| GE 100    |       |       |       |       |       | .3    | 1.3   |       |       |       |       |       | .2     |
| GE 95     |       |       |       |       |       | .7    | 11.3  | 8.1   | 1.7   |       |       |       | 1.8    |
| GE 90     |       |       |       |       |       | 12.3  | 45.8  | 38.1  | 7.7   | .6    |       |       | 8.8    |
| GE 85     |       |       |       |       | 2.9   | 32.0  | 72.9  | 75.5  | 30.3  | 3.2   |       |       | 18.3   |
| GE 80     |       |       |       | .3    | 16.5  | 72.7  | 97.7  | 99.0  | 76.7  | 13.9  |       |       | 31.6   |
| GE 75     |       |       |       | 2.3   | 49.7  | 94.7  | 99.7  | 100.0 | 97.3  | 42.3  | 1.3   |       | 40.9   |
| GE 70     | .3    |       | 1.6   | 23.4  | 84.5  | 99.7  | 100.0 |       | 99.7  | 75.2  | 16.7  |       | 50.4   |
| GE 65     | 2.3   | 3.2   | 12.9  | 55.9  | 96.5  | 100.0 |       |       | 100.0 | 88.7  | 41.5  | 7.4   | 59.4   |
| GE 60     | 22.9  | 28.7  | 52.1  | 87.6  | 100.0 |       |       |       |       | 95.5  | 80.3  | 48.7  | 76.5   |
| GE 55     | 60.3  | 59.5  | 78.6  | 98.3  |       |       |       |       |       | 98.7  | 95.7  | 81.9  | 89.6   |
| GE 50     | 84.8  | 77.4  | 91.9  | 100.0 |       |       |       |       |       | 100.0 | 100.0 | 54.5  | 95.6   |
| GE 45     | 95.2  | 95.3  | 97.4  |       |       |       |       |       |       |       |       | 58.7  | 98.9   |
| GE 40     | 99.0  | 98.9  | 98.7  |       |       |       |       |       |       |       |       | 59.7  | 99.7   |
| GE 35     | 100.0 | 99.6  | 100.0 |       |       |       |       |       |       |       |       | 100.0 | 100.0  |
| GE 30     |       | 100.0 |       |       |       |       |       |       |       |       |       |       | 100.0  |
| MEAN      | 55.4  | 55.1  | 56.9  | 65.6  | 74.4  | 82.7  | 88.4  | 88.0  | 82.9  | 72.9  | 63.7  | 58.9  | 70.6   |
| SD        | 5.818 | 6.564 | 6.265 | 4.988 | 5.504 | 5.112 | 4.964 | 4.265 | 4.550 | 6.679 | 5.281 | 5.092 | 13.278 |
| TOTAL OBS | 310   | 279   | 309   | 299   | 310   | 300   | 310   | 310   | 300   | 310   | 299   | 310   | 3646   |

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160

STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87

| TEMP(F)   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANNU.  |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| GE 80     |       |       |       |       |       |       | 1.6   | 1.6   |       |       |       |       | .3     |
| GE 75     |       |       |       |       |       | 4.0   | 21.6  | 21.3  |       |       |       |       | 4.2    |
| GE 70     |       |       |       |       | .6    | 31.0  | 78.1  | 77.1  | 24.3  | 1.6   |       |       | 17.9   |
| GE 65     |       |       |       |       | 6.5   | 63.3  | 92.9  | 93.9  | 65.7  | 9.7   |       |       | 27.9   |
| GE 60     |       |       | .3    | 3.3   | 41.9  | 92.3  | 100.0 | 99.4  | 95.3  | 47.7  | 7.0   | .3    | 40.9   |
| GE 55     | 3.5   | 5.7   | 7.8   | 26.1  | 86.1  | 99.7  |       | 99.7  | 100.0 | 80.6  | 29.8  | 6.7   | 54.3   |
| GE 50     | 18.7  | 21.1  | 35.3  | 70.2  | 98.4  | 100.0 |       | 100.0 |       | 96.5  | 64.9  | 37.4  | 70.5   |
| GE 45     | 50.6  | 50.2  | 70.2  | 97.7  | 100.0 |       |       |       |       | 100.0 | 95.0  | 73.9  | 86.6   |
| GE 40     | 71.3  | 76.7  | 84.8  | 99.7  |       |       |       |       |       |       | 99.0  | 90.0  | 93.5   |
| GE 35     | 93.2  | 93.9  | 95.8  | 100.0 |       |       |       |       |       |       | 100.0 | 99.0  | 98.5   |
| GE 30     | 96.8  | 95.3  | 97.7  |       |       |       |       |       |       |       |       | 100.0 | 99.2   |
| GE 25     | 99.4  | 98.6  | 99.7  |       |       |       |       |       |       |       |       |       | 99.8   |
| GE 20     | 100.0 | 100.0 | 100.0 |       |       |       |       |       |       |       |       |       | 100.0  |
| MEAN      | 43.8  | 44.0  | 46.4  | 51.8  | 58.9  | 66.7  | 71.5  | 71.5  | 66.5  | 59.1  | 51.7  | 47.3  | 56.6   |
| SD        | 6.004 | 6.267 | 5.978 | 4.202 | 4.353 | 4.540 | 3.888 | 4.020 | 3.793 | 5.157 | 5.344 | 5.441 | 11.224 |
| TOTAL OBS | 310   | 279   | 309   | 299   | 310   | 300   | 310   | 310   | 300   | 310   | 299   | 310   | 3646   |

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 167160

STATION NAME: HELLENIXON ABS/ATHENS GR

PERIOD OF RECORD: 78-87

| TEMP (F)  | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANNUAL |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| GE 90     |       |       |       |       |       |       | 1.6   | 1.0   |       |       |       |       | .2     |
| GE 85     |       |       |       |       |       | .7    | 11.6  | 10.3  | 1.3   |       |       |       | 2.0    |
| GE 80     |       |       |       |       |       | 18.7  | 59.4  | 56.1  | 9.7   | .3    |       |       | 12.2   |
| GE 75     |       |       |       |       | 4.8   | 51.0  | 91.0  | 92.6  | 52.3  | 5.2   |       |       | 25.0   |
| GE 70     |       |       |       | .3    | 28.1  | 87.0  | 99.4  | 99.7  | 94.7  | 29.0  |       |       | 36.8   |
| GE 65     |       |       |       | 11.4  | 70.3  | 99.3  | 100.0 | 100.0 | 99.7  | 65.2  | 10.7  |       | 46.7   |
| GE 60     | 2.9   | 4.7   | 11.0  | 45.2  | 95.2  | 100.0 |       |       | 100.0 | 88.1  | 37.8  | 8.4   | 58.1   |
| GE 55     | 21.0  | 23.7  | 41.1  | 84.3  | 100.0 |       |       |       |       | 97.1  | 72.9  | 43.2  | 73.9   |
| GE 50     | 52.6  | 54.5  | 76.1  | 99.7  |       |       |       |       |       | 100.0 | 97.7  | 79.7  | 88.5   |
| GE 45     | 83.2  | 79.2  | 91.3  | 100.0 |       |       |       |       |       |       | 100.0 | 95.5  | 95.9   |
| GE 40     | 96.1  | 96.1  | 97.1  |       |       |       |       |       |       |       |       | 99.0  | 99.0   |
| GE 35     | 99.7  | 98.9  | 99.4  |       |       |       |       |       |       |       |       | 100.0 | 99.8   |
| GE 30     | 100.0 | 100.0 | 100.0 |       |       |       |       |       |       |       |       |       | 100.0  |
| MEAN      | 49.9  | 49.8  | 52.9  | 58.9  | 66.9  | 74.9  | 80.1  | 79.9  | 74.9  | 66.3  | 58.0  | 53.3  | 63.8   |
| SD        | 5.515 | 6.062 | 5.832 | 4.191 | 4.492 | 4.464 | 4.028 | 3.749 | 3.736 | 5.557 | 4.846 | 4.877 | 12.058 |
| TOTAL OBS | 310   | 279   | 309   | 299   | 310   | 300   | 310   | 310   | 300   | 310   | 299   | 310   | 3646   |

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MAXIMUM TEMPERATURE  
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 167160 STATION NAME: HELLENIKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87

| YEAR      | WHOLE DEGREES FARENHEIT |       |       |       |       |       |       |       |       |       |       |       | ALL MONTHS |
|-----------|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|
|           | JAN                     | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   |            |
| 78        | 61                      | 66    | 68    | *72   | 82    | 93    | 100   | 91    | 88    | 81    | 66    | 66    | 100        |
| 79        | 68                      | 68    | 70    | 73    | 88    | 95    | 99    | 102   | 90    | 86    | 72    | 64    | 102        |
| 80        | 63                      | *63   | 66    | 70    | 82    | 91    | 99    | 99    | 86    | 82    | 73    | 66    | 99         |
| 81        | 61                      | 66    | 72    | 73    | 88    | 93    | 99    | 99    | 91    | 91    | *75   | 68    | 99         |
| 82        | 65                      | *61   | *68   | 73    | 82    | 100   | 99    | 97    | 93    | 84    | 73    | 67    | 100        |
| 83        | 62                      | 65    | 70    | 75    | 84    | 86    | 95    | 93    | 90    | 79    | 72    | 65    | 95         |
| 84        | 63                      | 65    | 68    | 68    | 84    | 91    | 95    | 91    | 90    | 90    | 72    | 64    | 95         |
| 85        | 65                      | 64    | 64    | 62    | 88    | 90    | 99    | 99    | 93    | 84    | 73    | 67    | 99         |
| 86        | 65                      | 64    | 68    | 79    | 86    | 91    | 95    | 97    | 95    | 79    | 75    | 64    | 97         |
| 87        | 70                      | 63    | 66    | 72    | 79    | 93    | 106   | 97    | 99    | 78    | 71    | 69    | 106        |
| MEAN      | 64.3                    | 65.1  | 68.0  | 73.9  | 84.3  | 92.3  | 98.6  | 96.5  | 91.5  | 83.4  | 71.9  | 65.9  | 99.0       |
| S.D.      | 2.946                   | 1.553 | 2.449 | 4.314 | 3.129 | 3.622 | 3.273 | 3.689 | 3.689 | 4.526 | 2.472 | 1.595 | 4.336      |
| TOTAL OBS | 310                     | 279   | 309   | 295   | 310   | 300   | 310   | 310   | 300   | 310   | 299   | 310   | 3646       |

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



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MINIMUM TEMPERATURE  
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 167160 STATION NAME: HFLIFNTKON ABS/ATHENS GR

PERIOD OF RECORD: 78-87

| YEAR      | WHOLE DEGREES FAHRENHEIT |       |       |       |       |       |       |       |       |       |       |       | ALL MONTHS |
|-----------|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|
|           | JAN                      | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   |            |
| 78        | 34                       | 41    | 37    | *46   | 52    | 59    | 66    | 57    | 57    | 45    | 41    | 41    | 34         |
| 79        | 28                       | 37    | 41    | 46    | 54    | 59    | 64    | 68    | 57    | 46    | 45    | 37    | 28         |
| 80        | 34                       | *36   | 32    | 45    | 54    | 59    | 64    | 63    | 61    | 54    | 43    | 34    | 32         |
| 81        | 30                       | 34    | 37    | 39    | 52    | 63    | 68    | 64    | 61    | 54    | *39   | 41    | 30         |
| 82        | 37                       | *30   | *34   | 43    | 46    | 55    | 61    | 63    | 61    | 54    | 39    | 34    | *30        |
| 83        | 28                       | 25    | 33    | 43    | 52    | 50    | 64    | 64    | 59    | 50    | 45    | 37    | 25         |
| 84        | 37                       | 39    | 37    | 43    | 52    | 57    | 60    | 50    | 59    | 50    | 43    | 35    | 35         |
| 85        | 36                       | 30    | 39    | 45    | 52    | 62    | 64    | 66    | 61    | 45    | 46    | 41    | 30         |
| 86        | 32                       | 41    | 38    | 49    | 54    | 55    | 69    | 68    | 59    | 50    | 41    | 34    | 32         |
| 87        | 32                       | 36    | 28    | 44    | 46    | 57    | 62    | 65    | 64    | 45    | 43    | 36    | 28         |
| MEAN      | 32.8                     | 35.4  | 35.8  | 44.1  | 51.6  | 57.6  | 64.2  | 62.8  | 59.9  | 49.3  | 42.9  | 37.0  | 29.7       |
| S.D.      | 3.393                    | 5.579 | 4.024 | 2.713 | 2.633 | 3.748 | 2.860 | 5.473 | 2.132 | 3.860 | 2.261 | 2.581 | 3.502      |
| TOTAL OBS | 310                      | 279   | 309   | 299   | 310   | 300   | 310   | 310   | 300   | 310   | 299   | 310   | 3646       |

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

END

DATE

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