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# **SURFACE OBSERVATION CLIMATIC SUMMARIES**

FOR  
**DAVIS-MONTHAN AFB, AZ**

Prepared by

OL-A, USAFETAC  
ASHEVILLE, NORTH CAROLINA  
28801-2723



MAY 1990

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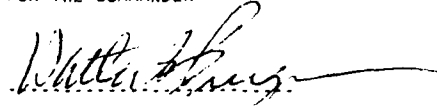
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## PREFACE

EFFECTIVE 1 JULY 1988, THE SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) REPLACED TWO OTHER USAFETAC PRODUCTS OF LONG STANDING: THE RUSSWO (REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS) AND LISOCs (LIMITED SURFACE OBSERVATION CLIMATIC SUMMARY). RUSSWOS AND LISOCs NOW IN EXISTENCE WILL CONTINUE TO BE USED UNTIL THEY ARE EVENTUALLY REPLACED BY SOCS.

THIS PRODUCT HAS BEEN ISSUED IN OTHER FORMS UNDER SEVERAL OTHER NAMES. IT WAS INTRODUCED IN THE EARLY 1940'S AS THE "SFCSUM," OR "SURFACE SUMMARY." THE ORIGINAL "USSWO," OR "UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS," DEBUTED IN 1946. THE USSWO GRADUALLY EVOLVED INTO THE "RUSSWO" AND THE "LISOCs." IT FINALLY BECAME THE NEW "SURFACE OBSERVATION CLIMATIC SUMMARIES" OR "SOCS" IN JULY 1988.

THE SOCS (LIKE ITS PREDECESSORS) IS PREPARED BY USAFETAC'S OPERATING LOCATION A AT ASHEVILLE, NC 28801-2723. HERE, CLIMATOLOGISTS USE STATE-OF-THE-ART COMPUTER TECHNOLOGY TO SUMMARIZE WEATHER OBSERVATIONS COLLECTED FROM SELECTED MILITARY, CIVILIAN, AND FOREIGN REPORTING STATIONS. SUMMARIES ARE PREPARED FROM DATA THAT HAS BEEN COLLECTED, QUALITY-CONTROLLED, AND STORED IN OL-A'S WORLDWIDE SURFACE WEATHER OBSERVATION DATABASE.

ALTHOUGH PREVIOUS VERSIONS OF THIS PRODUCT ONLY OFFERED SIX PARTS, SOCS PROVIDES EIGHT (A-H). THE ADDITIONS ARE THE CROSSWIND AND HEATING-COOLING DEGREE DAY SUMMARIES. PRECEDING EACH PART IS A BRIEF DISCUSSION OF THAT PARTICULAR PART, A DESCRIPTION OF THE DATA, AND AN EXPLANATION OF HOW THE DATA IS PRESENTED.



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## INTRODUCTION

### STATION PERIOD OF RECORD.

HOURLY OBSERVATIONS: MAY 79 - APR 89 (AIRWAYS).

SUMMARY OF DAY DATA: JUL 41 - JAN 46, JAN 48 - APR 89 (FULL TIME).

HOURS SUMMARIZED: 0000 LST THROUGH 2300 LST.

DATA SOURCES. THESE SUMMARIES ARE COMPILED FROM "HOURLY OBSERVATIONS" AND/OR SUMMARY OF DAY DATA," DEPENDING ON THE PHENOMENA OR OCCURRENCE BEING SUMMARIZED. THE TWO SOURCES ARE DEFINED IN "TERMS EXPLAINED."

### TERMS EXPLAINED:

BIVARIATE DISTRIBUTION: A BIVARIATE DISTRIBUTION GIVES THE JOINT DISTRIBUTIONS OF TWO RELATED VARIABLES. AN EXAMPLE IS THE BIVARIATE DISTRIBUTION OF CEILING AND VISIBILITIES IN PART D. EACH ROW AND EACH COLUMN OF A BIVARIATE DISTRIBUTION IS A FREQUENCY DISTRIBUTION. JOINT FREQUENCIES ARE FOUND AT THE ROW-COLUMN INTERSECTIONS.

HOURLY OBSERVATIONS: ALL RECORD OR RECORD-SPECIAL OBSERVATIONS ON AWS FORMS 10/10A (OR EQUIVALENT) AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY (SOD) DATA: DATA COMPILED FROM ALL AVAILABLE OBSERVATIONAL SOURCES, INCLUDING HOURLY OBSERVATIONS, SPECIAL OBSERVATIONS, REMARKS, AND ACTUAL "SUMMARY OF DAY" DATA RECORDED IN COLUMNS 44-73 OF AWS FORMS 10/10A (OR EQUIVALENT) FOR ANY GIVEN DAY.

MEAN: THE SUM OF ALL THE VALUES DIVIDED BY THE NUMBER OF VALUES.

MEASURABLE AMOUNT: ANY PRECIPITATION OR SNOWFALL AMOUNT GREATER THAN A TRACE.

MEDIAN: THE MIDDLE VALUE WHEN THE VALUES ARE IN ASCENDING ORDER. IF THE NUMBER OF VALUES IS EVEN, THE MEDIAN IS HALFWAY BETWEEN THE TWO MIDDLE VALUES.

PERCENT OCCURRENCE FREQUENCY (POF): IN STATISTICS, FREQUENCY IS THE NUMBER OF TIMES A GIVEN COUNT OR EVENT OCCURS. IN THE SOCS, THIS IS EXPRESSED AS THE PERCENT OCCURRENCE FREQUENCY (POF), WHERE THE FREQUENCY (NUMBER OF OCCURRENCES) IS GIVEN AS A PERCENT OF ALL POSSIBLE OCCURRENCES IN THE SAMPLE (PERIOD SUMMARIZED). FOR EXAMPLE, IF SNOW FELL ON 5 OUT OF 100 DAYS WE COULD EXPRESS THE "PERCENT OCCURRENCE FREQUENCY" OF SNOW AS 5 PERCENT OVER THE 100-DAY PERIOD. MAY BE USED INTERCHANGEABLY WITH "PERCENT FREQUENCY OF OCCURRENCE."

PERIOD OF RECORD: THE SIZE OF THE OBSERVATIONAL DATA SAMPLE, IN YEARS.

PRECIPITATION: A TERM THAT INCLUDES BOTH LIQUID PRECIPITATION AND WATER EQUIVALENT.

STANDARD DEVIATION: A MEASURE OF DISPERSION ON THE VARIABILITY OF THE QUANTITY CONCERNED ABOUT ITS ARITHMETIC MEAN. THE LARGER THE STANDARD DEVIATION, THE GREATER THE VARIABILITY.

TIME CONVENTIONS: ALL TIMES IN THE SOCS ARE EXPRESSED IN LOCAL STANDARD TIME (LST). USERS SHOULD MAKE ADJUSTMENTS FOR DAYLIGHT SAVING TIMES IN THEIR AREAS. IN SUMMARIES THAT SHOW DIURNAL VARIATIONS, THE DATA IS SUMMARIZED USING THE FOLLOWING STANDARD 3-HOUR PERIODS (ALL LST):

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

ABBREVIATIONS USED:

|      |                          |        |                              |
|------|--------------------------|--------|------------------------------|
| AMT  | AMOUNT                   | LT     | LESS THAN                    |
| ANN  | ANNUAL                   | M      | METER                        |
| BARO | BAROMETER                | MB     | MILLIBAR                     |
| C    | CENTIGRADE (CELSIUS)     | MPS    | METERS PER SECOND            |
| DEG  | DEGREE                   | MSL    | MEAN SEA LEVEL               |
| DB   | DRY BULB TEMPERATURE     | MEAS   | MEASURABLE                   |
| DP   | DEW POINT TEMPERATURE    | NO.    | NUMBER                       |
| EQ   | EQUAL                    | OBS    | OBSERVATION                  |
| F    | FAHRENHEIT               | OBST   | OBSTRUCTION                  |
| FRZG | FREEZING                 | POF    | PERCENT OCCURRENCE FREQUENCY |
| FT   | FEET                     | PRECIP | PRECIPITATION                |
| GE   | GREATER THAN OR EQUAL TO | SD     | STANDARD DEVIATION           |
| GMT  | GREENWICH MEAN TIME      | SOD    | SUMMARY OF DAY               |
| GT   | GREATER THAN             | TEMP   | TEMPERATURE                  |
| HG   | INCHES OF MERCURY        | TSTM   | THUNDERSTORM                 |
| HT   | HEIGHT                   | VSBY   | VISIBILITY                   |
| KTS  | KNOTS                    | VSN    | VISION                       |
| LE   | LESS THAN OR EQUAL TO    | WB     | WET BULB TEMPERATURE         |
| LST  | LOCAL STANDARD TIME      | WBAN   | AWS FORM 10/10A              |
|      |                          | UTC    | *COORDINATED UNIVERSAL TIME  |

SUMMARY DESCRIPTION: A BRIEF DESCRIPTION OF THE DATA PRECEDES EACH PART IN THE SOCS.

\* UTC REPLACED GMT ON 1 AUGUST 1988

| STATION NO.<br>ON SUMMARY<br>722745          |                              | STATION NAME<br>DAVIS-MONTHAN AFB AZ |                  | LATITUDE<br>N 32 10 |          | LONGITUDE<br>W 110 53 |                | FLD ELEV (FT)<br>2705 |                   | CALL SIGN<br>KDMA |  | WMO NMBR |  |
|----------------------------------------------|------------------------------|--------------------------------------|------------------|---------------------|----------|-----------------------|----------------|-----------------------|-------------------|-------------------|--|----------|--|
| STATION LOCATION AND INSTRUMENTATION HISTORY |                              |                                      |                  |                     |          |                       |                |                       |                   |                   |  |          |  |
| Nmb<br>of<br>Loc                             | GEOGRAPHICAL LOCATION & NAME | Type<br>of<br>Station                | At This Location |                     | LATITUDE | LONGITUDE             | Elev Above MSL |                       | OBS<br>PER<br>DAY |                   |  |          |  |
|                                              |                              |                                      | From             | To                  |          |                       | FLD (FT)       | BARO (FT)             |                   |                   |  |          |  |
| 1                                            | Davis-Monthan AFB AZ         | AFB                                  | Mar 49           | Mar 53              | N 32 11  | W 110 55              | 2565           | 2616                  | 24                |                   |  |          |  |
| 2                                            | Same                         | Same                                 | Apr 53           | May 53              | Same     | W 110 53              | 2626           | Same                  | 24                |                   |  |          |  |
| 3                                            | Same                         | Same                                 | May 53           | Oct 55              | Same     | Same                  | 2688           | Same                  | 24                |                   |  |          |  |
| 4                                            | Same                         | Same                                 | Oct 55           | Apr 68              | N 32 10  | Same                  | Same           | 2654                  | 24                |                   |  |          |  |
| 5                                            | Same                         | Same                                 | Apr 68           | Feb 79              | Same     | Same                  | 2705           | Same                  | 24                |                   |  |          |  |
| 6                                            | Same                         | Same                                 | Mar 79           | Jan 88              | N 32 10  | W 110 53              | 2705           | 2654                  | 24                |                   |  |          |  |

| Nmb<br>of<br>Loc | Date of<br>Change | SURFACE WIND EQUIPMENT INFORMATION                                                       |                        |                     |                    | REMARKS, ADDITIONAL EQUIP-<br>MENT, OR REASON FOR CHANGE |
|------------------|-------------------|------------------------------------------------------------------------------------------|------------------------|---------------------|--------------------|----------------------------------------------------------|
|                  |                   | LOCATION                                                                                 | TYPE OF<br>TRANSMITTER | TYPE OF<br>RECORDER | HT ABOVE<br>GROUND |                                                          |
| 1                | Mar 49            | On top of control tower                                                                  | Selsyn                 | ML-144A             | 66 ft              |                                                          |
| 2                | Apr 54            | On roof of weather stn                                                                   | GMQ-1                  | ML-144              | 35 ft              |                                                          |
| 3                | May 55            | On roof of bldg                                                                          | Same                   | Same                | 25 ft              |                                                          |
| 4                | Oct 55            | On top of weather stn                                                                    | Same                   | Same                | 40 ft              |                                                          |
| 5                | May 56            | Between active rnwy & ramp, 750<br>ft from centerline of rnwy,<br>opposite base ops bldg | GMQ-11                 | RO-2                | 13 ft              |                                                          |
| 6                | Aug 57            | 800 ft from end of rnwy 12, on<br>SW side                                                | Same                   | Same                | Same               |                                                          |
| 7                | Apr 58            | 800 ft along NE side of rnwy,<br>approximately center of rnwy                            | Same                   | Same                | Same               |                                                          |
| 8                | Apr 60            | 500 ft from centerline of rnwy<br>on SW side approximately midway<br>along the length    | Same                   | Same                | Same               |                                                          |
| 9                | Feb 69            | 1. 800 ft from centerline on SW<br>side, 1000 ft from end of rnwy<br>12                  | Same                   | RO-362              | Same               |                                                          |
|                  |                   | 2. 500 ft from centerline on SW<br>side, 1000 ft from end of rnwy<br>30                  | Same                   | Same                | Same               |                                                          |
| 10               | Jan 70            | 1. 500 ft from centerline on NE<br>side, 1000 ft from end of rnwy<br>12                  | GMQ-20                 | Same                | Same               |                                                          |
|                  |                   | 2. 500 ft from centerline on SW<br>side, 1000 ft from end of rnwy<br>30                  | Same                   | Same                | Same               |                                                          |
| 11               | Jan 88            | 1. Same                                                                                  | GMQ-20                 | RO-362              | 13 ft              |                                                          |
|                  |                   | 2. Same                                                                                  | Same                   | Same                | Same               |                                                          |

|          |         |          |            |         |
|----------|---------|----------|------------|---------|
| PPPPPPPP | AAAAAA  | RRRRRRRR | TTTTTTTTTT | AAAAAA  |
| PPPPPPPP | AAAAAAA | RRRRRRRR | TTTTTTTTTT | AAAAAAA |
| PP PP    | AA AA   | RR RR    | TT         | AA AA   |
| PP PP    | AA AA   | RR RR    | TT         | AA AA   |
| PPPPPPPP | AA AA   | RRRRRRRR | TT         | AA AA   |
| PPPPPPPP | AAAAAAA | RRRRRRRR | TT         | AAAAAAA |
| PP       | AAAAAAA | RR RR    | TT         | AAAAAAA |
| PP       | AA AA   | RR RR    | TT         | AA AA   |
| PP       | AA AA   | RR RR    | TT         | AA AA   |
| PP       | AA AA   | RR RR    | TT         | AA AA   |

PART A

ATMOSPHERIC PHENOMENA SUMMARIES

THIS PART SUMMARIZES SPECIFIED ATMOSPHERIC PHENOMENA IN CATEGORIES AS FOLLOWS:

THUNDERSTORMS: ALL REPORTED OCCURRENCES OF THUNDERSTORMS, TORNADOES, AND WATERSPOUTS.

LIQUID PRECIPITATION: RAIN OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING PRECIPITATION: FREEZING RAIN OR FREEZING DRIZZLE (GLAZE).

FROZEN PRECIPITATION: SNOW, SNOW PELLETS, SLEET, SNOW GRAINS, ICE CRYSTALS, ICE PELLETS. IN JANUARY 1968, SNOW PELLETS BECAME KNOWN AS SMALL HAIL.

HAIL: ALL OCCURRENCES OF HAIL.

ALL PRECIPITATION: INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY BE INCLUDED IN THE SAME OBSERVATION, THE SUM OF PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

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

SMOKE AND/OR HAZE: SMOKE, HAZE, OR COMBINATIONS OF THE TWO.

BLOWING SNOW: ALL REPORTS OF BLOWING SNOW, INCLUDING DRIFTING SNOW, WHEN REPORTED.

DUST AND/OR SAND: DUST, SAND, BLOWING DUST, BLOWING SAND, OR COMBINATIONS OF THESE.

BLOWING SPRAY: THE "ALL OBSTRUCTIONS TO VISION" CATEGORY ACCOUNTS FOR BLOWING SPRAY, IF AND AS REPORTED.

ALL OBSTRUCTIONS TO VISION: THIS CATEGORY INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION. SINCE THE OCCURRENCE OF MORE THAN ONE OBSTRUCTION TO VISION MAY BE REPORTED IN THE SAME OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY (POF) FOR THE ATMOSPHERIC PHENOMENA SHOWN. THE DATA WAS TAKEN FROM HOURLY OBSERVATIONS ONLY, AND IS SUMMARIZED AS FOLLOWS

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY (POF).

THIS TABLE IS THE ONLY ONE IN PART A THAT IS PRODUCED FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED MONTHLY AND ANNUALLY FOR ALL YEARS COMBINED.

THUNDERSTORMS--PERCENT OCCURRENCE FREQUENCY.

THIS TABLE GIVES THE PERCENT OCCURRENCE FREQUENCY OF THUNDERSTORMS REPORTED ON THE HOURLY OBSERVATION. DATA IS SUMMARIZED SAME AS FOR FIRST TABLE IN THIS PART.

SPECIFIED PHENOMENA VS WIND DIRECTION--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES INCLUDE SUMMARY OF MONTH FOR ALL HOURS AND YEARS COMBINED. WIND DIRECTION CATEGORIES ARE AS SPECIFIED BY THE LOCAL WEATHER STATION.

NOTE 1: REPORTING PRACTICES HAVE CHANGED WITH TIME. METAR AND SYNOPTIC REPORTING STATIONS RECORD (ON AWS FORMS 10/10A) AND TRANSMIT LONGLINE ONLY THE HIGHEST ORDER ATMOSPHERIC PHENOMENA THAT AFFECTS VISIBILITY. METAR STATIONS STARTED THIS PROCEDURE IN JANUARY 1968, BUT SYNOPTIC STATIONS ALWAYS DID IT THAT WAY. IN JANUARY 1970, METAR STATIONS STARTED RECORDING ALL ATMOSPHERIC PHENOMENA THAT AFFECTED VISIBILITY, BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE RECORDED OBSERVATION INCLUDED RAIN, FOG AND HAZE, ONLY THE RAIN WAS TRANSMITTED. BECAUSE OF THESE PROCEDURES, THE USAFETAC DATABASE WOULD SHOW ONLY RAIN AS AN OBSTRUCTION. THEREFORE, THE OBSTRUCTION TO VISION (AND TO A LESSER EXTENT, PRECIPITATION) SUMMARIES FOR METAR AND SYNOPTIC STATIONS ARE HIGHLY QUESTIONABLE.

NOTE 2: FOREIGN METAR REPORTING STATIONS FREQUENTLY DO NOT TRANSMIT OBSTRUCTIONS TO VISION WHEN VISIBILITIES EXCEED 1000 METERS.

NOTE 3: A VALUE OF ".0" IN ANY SUMMARY REPRESENTS ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JAN

| HOURS<br>(LST) | TSTMS | LIQUID<br>PRECIP | FREEZ<br>PRECIP | FROZEN<br>PRECIP | HAIL | ALL<br>PRECIP | FOG | SMOKE<br>&/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>&/OR<br>SAND | ALL<br>OBST<br>TO VSN | TOTAL<br>NO. OF<br>OBS |
|----------------|-------|------------------|-----------------|------------------|------|---------------|-----|-----------------------|-----------------|----------------------|-----------------------|------------------------|
| 00-02          |       | 3.3              |                 | .1               |      | 3.4           | .5  |                       |                 |                      | 4.0                   | 930                    |
| 03-05          |       | 2.6              |                 | .5               |      | 3.1           | .8  |                       |                 |                      | 3.9                   | 930                    |
| 06-08          | .2    | 3.8              |                 | .6               |      | 4.4           | 1.4 |                       |                 |                      | 5.8                   | 930                    |
| 09-11          |       | 3.4              |                 | .2               |      | 3.7           | 1.4 |                       |                 |                      | 5.1                   | 930                    |
| 12-14          | .2    | 3.1              |                 | .3               |      | 3.4           | .9  |                       |                 |                      | 4.3                   | 930                    |
| 15-17          | .2    | 4.6              |                 | .3               |      | 4.9           | .5  |                       |                 |                      | 5.5                   | 930                    |
| 18-20          | .2    | 5.8              |                 | .3               |      | 6.1           | .4  |                       |                 |                      | 6.6                   | 930                    |
| 21-23          |       | 4.8              |                 |                  |      | 4.8           | .3  | .2                    |                 |                      | 5.4                   | 930                    |
| ALL<br>HOURS   | .1    | 3.9              |                 | .3               |      | 4.2           | .8  | .0                    |                 |                      | 5.1                   | 7440                   |

MONTH: FEB

|              |    |     |  |    |  |     |     |  |  |    |     |      |
|--------------|----|-----|--|----|--|-----|-----|--|--|----|-----|------|
| 00-02        |    | 3.4 |  | .2 |  | 3.7 | .6  |  |  |    | 4.2 | 849  |
| 03-05        | .1 | 4.5 |  |    |  | 4.5 | 1.1 |  |  |    | 5.5 | 849  |
| 06-08        | .1 | 2.2 |  | .1 |  | 2.4 | .8  |  |  |    | 3.2 | 849  |
| 09-11        |    | 3.8 |  |    |  | 3.8 | .6  |  |  |    | 4.4 | 849  |
| 12-14        | .1 | 4.2 |  |    |  | 4.2 |     |  |  |    | 4.2 | 849  |
| 15-17        | .1 | 4.8 |  |    |  | 4.8 | .5  |  |  | .1 | 5.4 | 849  |
| 18-20        |    | 4.8 |  | .1 |  | 4.9 | .6  |  |  |    | 5.5 | 849  |
| 21-23        | .1 | 5.1 |  | .1 |  | 5.2 | .2  |  |  |    | 5.4 | 849  |
| ALL<br>HOURS | .1 | 4.1 |  | .1 |  | 4.2 | .5  |  |  | .0 | 4.7 | 6792 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAR

| HOURS<br>(LST) | TSTMS | LIQUID<br>PRECIP | FREEZ<br>PRECIP | FROZEN<br>PRECIP | HAIL | ALL<br>PRECIP | FOG | SMOKE<br>&/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>&/OR<br>SAND | ALL<br>OBST<br>TO VSN | TOTAL<br>NO. OF<br>OBS |
|----------------|-------|------------------|-----------------|------------------|------|---------------|-----|-----------------------|-----------------|----------------------|-----------------------|------------------------|
| 00-02          | .3    | 2.8              |                 |                  | .1   | 2.9           |     |                       |                 |                      | 2.9                   | 930                    |
| 03-05          | .3    | 3.8              |                 |                  |      | 3.8           |     |                       |                 |                      | 3.8                   | 930                    |
| 06-08          | .2    | 2.7              |                 |                  |      | 2.7           | .3  |                       |                 |                      | 3.0                   | 930                    |
| 09-11          | .1    | 2.8              |                 |                  |      | 2.8           | .1  |                       |                 |                      | 2.9                   | 930                    |
| 12-14          | .1    | 2.7              |                 |                  |      | 2.7           | .1  |                       |                 | .1                   | 2.9                   | 930                    |
| 15-17          | .1    | 4.3              |                 |                  |      | 4.3           | .2  |                       |                 | .3                   | 4.8                   | 930                    |
| 18-20          | .1    | 3.3              |                 |                  |      | 3.3           | .1  |                       |                 |                      | 3.4                   | 930                    |
| 21-23          | .3    | 2.6              |                 |                  |      | 2.6           | .1  |                       |                 |                      | 2.7                   | 930                    |
| ALL<br>HOURS   | .2    | 3.1              |                 |                  | .0   | 3.1           | .1  |                       |                 | .1                   | 3.3                   | 7440                   |

MONTH: APR

|              |    |     |  |  |    |     |  |  |  |  |     |      |
|--------------|----|-----|--|--|----|-----|--|--|--|--|-----|------|
| 00-02        | .1 | 1.9 |  |  | .1 | 2.0 |  |  |  |  | 2.0 | 900  |
| 03-05        |    | 2.1 |  |  |    | 2.1 |  |  |  |  | 2.1 | 900  |
| 06-08        |    | .9  |  |  |    | .9  |  |  |  |  | .9  | 900  |
| 09-11        | .1 | 1.8 |  |  |    | 1.8 |  |  |  |  | 1.8 | 900  |
| 12-14        | .3 | 1.8 |  |  |    | 1.8 |  |  |  |  | 1.8 | 900  |
| 15-17        | .7 | 2.3 |  |  |    | 2.3 |  |  |  |  | 2.3 | 899  |
| 18-20        | .7 | 2.9 |  |  |    | 2.9 |  |  |  |  | 2.9 | 897  |
| 21-23        | .1 | 1.8 |  |  |    | 1.8 |  |  |  |  | 1.8 | 897  |
| ALL<br>HOURS | .3 | 1.9 |  |  | .0 | 1.9 |  |  |  |  | 1.9 | 7193 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE C

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAY

| HOURS<br>(LST) | TSTMS | LIQUID<br>PRECIP | FREEZ<br>PRECIP | FROZEN<br>PRECIP | HAIL | ALL<br>PRECIP | FOG | SMOKE<br>&/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>&/OR<br>SAND | ALL<br>OBST<br>TO VSN | TOTAL<br>NO. OF<br>OBS |
|----------------|-------|------------------|-----------------|------------------|------|---------------|-----|-----------------------|-----------------|----------------------|-----------------------|------------------------|
| 00-02          | .6    | .2               |                 |                  |      | .2            |     |                       |                 |                      | .2                    | 930                    |
| 03-05          | .4    | .5               |                 |                  |      | .5            |     |                       |                 |                      | .5                    | 930                    |
| 06-08          | .2    | .2               |                 |                  |      | .2            |     |                       |                 |                      | .2                    | 930                    |
| 09-11          |       | .2               |                 |                  |      | .2            |     |                       |                 |                      | .2                    | 930                    |
| 12-14          | 2.3   | 1.5              |                 |                  |      | 1.5           |     |                       |                 |                      | 1.5                   | 930                    |
| 15-17          | 2.9   | 2.7              |                 |                  |      | 2.7           |     |                       |                 |                      | 2.7                   | 930                    |
| 18-20          | 2.3   | 2.2              |                 |                  |      | 2.2           |     |                       |                 |                      | 2.2                   | 930                    |
| 21-23          | 1.3   | 1.0              |                 |                  |      | 1.0           |     |                       |                 |                      | 1.0                   | 930                    |
| ALL<br>HOURS   | 1.3   | 1.1              |                 |                  |      | 1.1           |     |                       |                 |                      | 1.1                   | 7440                   |

MONTH: JUN

|              |     |     |  |  |  |     |  |  |  |    |     |      |
|--------------|-----|-----|--|--|--|-----|--|--|--|----|-----|------|
| 00-02        | .1  | .3  |  |  |  | .3  |  |  |  | .1 | .4  | 900  |
| 03-05        | .3  | .3  |  |  |  | .3  |  |  |  |    | .3  | 900  |
| 06-08        | .2  | .3  |  |  |  | .3  |  |  |  |    | .3  | 900  |
| 09-11        | .1  | .4  |  |  |  | .4  |  |  |  |    | .4  | 900  |
| 12-14        | 1.0 | 1.0 |  |  |  | 1.0 |  |  |  |    | 1.0 | 900  |
| 15-17        | 3.9 | 2.8 |  |  |  | 2.8 |  |  |  | .1 | 2.9 | 900  |
| 18-20        | 3.0 | 3.2 |  |  |  | 3.2 |  |  |  |    | 3.2 | 900  |
| 21-23        | .2  | .6  |  |  |  | .6  |  |  |  | .2 | .8  | 900  |
| ALL<br>HOURS | 1.1 | 1.1 |  |  |  | 1.1 |  |  |  | .1 | 1.2 | 7200 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUL

| HOURS<br>(LST) | TSTMS | LIQUID<br>PRECIP | FREEZ<br>PRECIP | FROZEN<br>PRECIP | HAIL | ALL<br>PRECIP | FOG | SMOKE<br>&/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>&/OR<br>SAND | ALL<br>OBST<br>TO VSN | TOTAL<br>NO. OF<br>OBS |
|----------------|-------|------------------|-----------------|------------------|------|---------------|-----|-----------------------|-----------------|----------------------|-----------------------|------------------------|
| 00-02          | 3.3   | 5.7              |                 |                  |      | 5.7           |     |                       |                 |                      | 5.7                   | 930                    |
| 03-05          | 1.2   | 1.9              |                 |                  |      | 1.9           |     |                       |                 |                      | 1.9                   | 930                    |
| 06-08          | 1.0   | 1.6              |                 |                  |      | 1.6           |     |                       |                 |                      | 1.6                   | 930                    |
| 09-11          | 1.0   | 1.6              |                 |                  |      | 1.6           |     |                       |                 |                      | 1.6                   | 930                    |
| 12-14          | 3.7   | 2.3              |                 |                  |      | 2.3           |     |                       |                 |                      | 2.3                   | 930                    |
| 15-17          | 10.6  | 6.8              |                 |                  |      | 6.8           |     |                       |                 | .2                   | 7.0                   | 930                    |
| 18-20          | 13.2  | 8.6              |                 |                  |      | 8.6           |     |                       |                 | .2                   | 8.8                   | 930                    |
| 21-23          | 8.7   | 10.5             |                 |                  |      | 10.5          |     |                       |                 | .2                   | 10.8                  | 930                    |
| ALL<br>HOURS   | 5.3   | 4.9              |                 |                  |      | 4.9           |     |                       |                 | .1                   | 5.0                   | 7440                   |

MONTH: AUG

|              |      |     |  |  |  |     |    |  |  |  |     |      |
|--------------|------|-----|--|--|--|-----|----|--|--|--|-----|------|
| 00-02        | 4.6  | 5.9 |  |  |  | 5.9 |    |  |  |  | 5.9 | 930  |
| 03-05        | 2.4  | 3.3 |  |  |  | 3.3 |    |  |  |  | 3.3 | 930  |
| 06-08        | .9   | 2.8 |  |  |  | 2.8 | .1 |  |  |  | 2.9 | 930  |
| 09-11        | .4   | 1.5 |  |  |  | 1.5 |    |  |  |  | 1.5 | 930  |
| 12-14        | 3.5  | 2.0 |  |  |  | 2.0 |    |  |  |  | 2.0 | 930  |
| 15-17        | 14.6 | 9.1 |  |  |  | 9.1 |    |  |  |  | 9.1 | 930  |
| 18-20        | 12.3 | 9.7 |  |  |  | 9.7 |    |  |  |  | 9.7 | 930  |
| 21-23        | 7.4  | 8.1 |  |  |  | 8.1 |    |  |  |  | 8.1 | 930  |
| ALL<br>HOURS | 5.8  | 5.3 |  |  |  | 5.3 | .0 |  |  |  | 5.3 | 7440 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: SEP

| HOURS<br>(LST) | TSTMS | LIQUID<br>PRECIP | FREEZ<br>PRECIP | FROZEN<br>PRECIP | HAIL | ALL<br>PRECIP | FOG | SMOKE<br>&/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>&/OR<br>SAND | ALL<br>OBST<br>TO VSN | TOTAL<br>NO. OF<br>OBS |
|----------------|-------|------------------|-----------------|------------------|------|---------------|-----|-----------------------|-----------------|----------------------|-----------------------|------------------------|
| 00-02          | .8    | 2.1              |                 |                  |      | 2.1           |     |                       |                 |                      | 2.1                   | 900                    |
| 03-05          | .6    | 1.6              |                 |                  |      | 1.6           |     |                       |                 |                      | 1.6                   | 900                    |
| 06-08          | .9    | .8               |                 |                  |      | .8            |     |                       |                 |                      | .8                    | 900                    |
| 09-11          | .3    | 1.1              |                 |                  |      | 1.1           |     |                       |                 |                      | 1.1                   | 900                    |
| 12-14          | 1.7   | 2.3              |                 |                  |      | 2.3           | .1  |                       |                 |                      | 2.4                   | 900                    |
| 15-17          | 5.2   | 4.9              |                 |                  |      | 4.9           |     |                       |                 |                      | 4.9                   | 900                    |
| 18-20          | 5.9   | 6.9              |                 |                  |      | 6.9           |     |                       |                 | .2                   | 7.1                   | 900                    |
| 21-23          | 3.1   | 4.0              |                 |                  |      | 4.0           |     |                       |                 | .1                   | 4.1                   | 900                    |
| ALL<br>HOURS   | 2.3   | 3.0              |                 |                  |      | 3.0           | .0  |                       |                 | .0                   | 3.0                   | 7200                   |

MONTH: OCT

|              |     |     |  |  |  |     |    |  |  |    |     |      |
|--------------|-----|-----|--|--|--|-----|----|--|--|----|-----|------|
| 00-02        | .6  | 1.9 |  |  |  | 1.9 |    |  |  |    | 1.9 | 930  |
| 03-05        | .6  | 1.5 |  |  |  | 1.5 |    |  |  |    | 1.5 | 930  |
| 06-08        | .2  | 2.2 |  |  |  | 2.2 |    |  |  |    | 2.2 | 930  |
| 09-11        | .3  | 2.0 |  |  |  | 2.0 | .1 |  |  | .1 | 2.3 | 930  |
| 12-14        | .8  | 2.9 |  |  |  | 2.9 |    |  |  |    | 2.9 | 930  |
| 15-17        | 1.7 | 2.6 |  |  |  | 2.  |    |  |  |    | 2.6 | 930  |
| 18-20        | 1.3 | 2.8 |  |  |  | 2.8 |    |  |  |    | 2.8 | 930  |
| 21-23        | .6  | 1.7 |  |  |  | 1.7 |    |  |  |    | 1.7 | 930  |
| ALL<br>HOURS | .8  | 2.2 |  |  |  | 2.2 | .0 |  |  | .0 | 2.2 | 7440 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: NOV

| HOURS<br>(LST) | TSTMS | LIQUID<br>PRECIP | FREEZ<br>PRECIP | FROZEN<br>PRECIP | HAIL | ALL<br>PRECIP | FOG | SMOKE<br>&/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>&/OR<br>SAND | ALL<br>OBST<br>TO VSN | TOTAL<br>NO. OF<br>OBS |
|----------------|-------|------------------|-----------------|------------------|------|---------------|-----|-----------------------|-----------------|----------------------|-----------------------|------------------------|
| 00-02          | .7    | 2.3              |                 |                  |      | 2.3           | .4  |                       |                 |                      | 2.8                   | 900                    |
| 03-05          | .2    | 2.6              |                 |                  |      | 2.6           | .7  |                       |                 |                      | 3.2                   | 900                    |
| 06-08          | .4    | 2.2              |                 |                  |      | 2.2           | .8  |                       |                 |                      | 3.0                   | 900                    |
| 09-11          | .1    | 2.6              |                 |                  |      | 2.6           | .1  |                       |                 |                      | 2.7                   | 900                    |
| 12-14          | .1    | 3.4              |                 |                  |      | 3.4           | .1  |                       |                 |                      | 3.6                   | 900                    |
| 15-17          |       | 2.8              |                 |                  |      | 2.8           |     |                       |                 | .1                   | 2.9                   | 900                    |
| 18-20          | .3    | 2.0              |                 |                  |      | 2.0           |     |                       |                 | .3                   | 2.3                   | 900                    |
| 21-23          | .1    | 2.4              |                 |                  |      | 2.4           | .2  |                       |                 | .1                   | 2.8                   | 900                    |
| ALL<br>HOURS   | .3    | 2.5              |                 |                  |      | 2.5           | .3  |                       |                 | .1                   | 2.9                   | 7200                   |

MONTH: DEC

|              |    |     |  |     |  |     |     |  |  |  |     |      |
|--------------|----|-----|--|-----|--|-----|-----|--|--|--|-----|------|
| 00-02        |    | 2.9 |  | .5  |  | 3.4 | 1.4 |  |  |  | 4.8 | 930  |
| 03-05        | .1 | 2.8 |  | 1.0 |  | 3.8 | 1.4 |  |  |  | 5.2 | 930  |
| 06-08        | .2 | 2.8 |  | .8  |  | 3.5 | .6  |  |  |  | 4.2 | 930  |
| 09-11        |    | 2.5 |  | .8  |  | 3.2 | .9  |  |  |  | 4.1 | 930  |
| 12-14        |    | 3.7 |  | 1.1 |  | 4.7 | .1  |  |  |  | 4.8 | 930  |
| 15-17        |    | 5.2 |  | .4  |  | 5.6 | .6  |  |  |  | 6.2 | 930  |
| 18-20        | .2 | 5.2 |  | .6  |  | 5.8 | .5  |  |  |  | 6.3 | 930  |
| 21-23        |    | 3.8 |  | .8  |  | 4.5 | .8  |  |  |  | 5.3 | 930  |
| ALL<br>HOURS | .1 | 3.6 |  | .7  |  | 4.3 | .8  |  |  |  | 5.1 | 7440 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
HOURS: ALL

| MONTH  | TSTMS | LIQUID<br>PRECIP | FREEZ<br>PRECIP | FROZEN<br>PRECIP | HAIL | ALL<br>PRECIP | FOG | SMOKE<br>&/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>&/OR<br>SAND | ALL<br>OBST<br>TO VSM | TOTAL<br>NO. OF<br>OBS |
|--------|-------|------------------|-----------------|------------------|------|---------------|-----|-----------------------|-----------------|----------------------|-----------------------|------------------------|
| JAN    | .1    | 3.9              |                 | .3               |      | 4.2           | .8  | .0                    |                 |                      | 5.1                   | 7440                   |
| FEB    | .1    | 4.1              |                 | .1               |      | 4.2           | .5  |                       |                 | .0                   | 4.7                   | 6792                   |
| MAR    | .2    | 3.1              |                 |                  | .0   | 3.1           | .1  |                       |                 | .1                   | 3.3                   | 7440                   |
| APR    | .3    | 1.9              |                 |                  | .0   | 1.9           |     |                       |                 |                      | 1.9                   | 7193                   |
| MAY    | 1.3   | 1.1              |                 |                  |      | 1.1           |     |                       |                 |                      | 1.1                   | 7440                   |
| JUN    | 1.1   | 1.1              |                 |                  |      | 1.1           |     |                       |                 | .1                   | 1.2                   | 7200                   |
| JUL    | 5.3   | 4.9              |                 |                  |      | 4.9           |     |                       |                 | .1                   | 5.0                   | 7440                   |
| AUG    | 5.8   | 5.3              |                 |                  |      | 5.3           | .0  |                       |                 |                      | 5.3                   | 7440                   |
| SEP    | 2.3   | 3.0              |                 |                  |      | 3.0           | .0  |                       |                 | .0                   | 3.0                   | 7200                   |
| OCT    | .8    | 2.2              |                 |                  |      | 2.2           | .0  |                       |                 | .0                   | 2.2                   | 7440                   |
| NOV    | .3    | 2.5              |                 |                  |      | 2.5           | .3  |                       |                 | .1                   | 2.9                   | 7200                   |
| DEC    | .1    | 3.6              |                 | .7               |      | 4.3           | .8  |                       |                 |                      | 5.1                   | 7440                   |
| ANNUAL | 1.5   | 3.1              |                 | .1               | .0   | 3.2           | .2  | .0                    |                 | .0                   | 3.4                   | 87665                  |

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: +07

PERIOD OF RECORD: 4901-8904  
MONTH: ALL HOURS: ALL

| MONTH  | TSTMS | LIQUID<br>PRECIP | FREEZ<br>PRECIP | FROZEN<br>PRECIP | HAIL | ALL<br>PRECIP | FOG | SMOKE<br>&/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>&/OR<br>SAND | ALL<br>OBST<br>TO VSN | TOTAL<br>NO. OF<br>OBS |
|--------|-------|------------------|-----------------|------------------|------|---------------|-----|-----------------------|-----------------|----------------------|-----------------------|------------------------|
| JAN    | 1.1   | 20.0             |                 | 1.8              | .6   | 20.5          | 4.6 | .2                    |                 |                      | 21.2                  | 1271                   |
| FEB    | 1.6   | 17.8             |                 | 1.6              | .6   | 18.0          | 2.8 |                       |                 | .2                   | 18.6                  | 1158                   |
| MAR    | 2.3   | 19.4             |                 | 1.7              | .6   | 19.4          | 1.4 |                       |                 | .1                   | 19.5                  | 1271                   |
| APR    | 3.3   | 12.8             |                 | .7               | .7   | 12.8          | .1  |                       |                 |                      | 12.8                  | 1230                   |
| MAY    | 5.1   | 9.5              |                 | .1               | .2   | 9.5           | .2  |                       |                 | .1                   | 9.5                   | 1240                   |
| JUN    | 9.3   | 13.2             |                 |                  | .3   | 13.2          |     |                       |                 | .8                   | 13.5                  | 1200                   |
| JUL    | 47.6  | 54.0             |                 |                  | .8   | 54.0          | .2  | .2                    |                 | 1.7                  | 54.0                  | 1240                   |
| AUG    | 45.6  | 46.5             |                 |                  | .8   | 46.5          | .2  | .1                    |                 | .3                   | 46.5                  | 1240                   |
| SEP    | 17.8  | 25.2             |                 |                  | .4   | 25.2          | .7  | .2                    |                 | .2                   | 25.3                  | 1200                   |
| OCT    | 6.9   | 15.3             |                 |                  | .6   | 15.3          | 1.0 |                       |                 |                      | 15.4                  | 1240                   |
| NOV    | 1.5   | 13.7             |                 | .4               | .2   | 13.7          | 1.8 | .1                    |                 |                      | 14.1                  | 1200                   |
| DEC    | 1.3   | 19.1             |                 | 3.2              | .3   | 19.7          | 4.4 |                       |                 |                      | 20.2                  | 1240                   |
| ANNUAL | 12.0  | 22.3             |                 | .8               | .5   | 22.4          | 1.5 | .1                    |                 | .3                   | 22.6                  | 14730                  |



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF THUNDERSTORMS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89

| HOURS<br>(LST) | JAN  | FEB  | MAR  | APR  | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  | NOV  | DEC  |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 00-02          |      |      | .3   | .1   | .6   | .1   | 3.3  | 4.6  | .8   | .6   | .7   |      |
| 03-05          |      | .1   | .3   |      | .4   | .3   | 1.2  | 2.4  | .6   | .6   | .2   | .1   |
| 06-08          | .2   | .1   | .2   |      | .2   | .2   | 1.0  | .9   | .9   | .2   | .4   | .2   |
| 09-11          |      |      | .1   | .1   |      | .1   | 1.0  | .4   | .3   | .3   | .1   |      |
| 12-14          | .2   | .1   | .1   | .3   | 2.3  | 1.0  | 3.7  | 3.5  | 1.7  | .8   | .1   |      |
| 15-17          | .2   | .1   | .1   | .7   | 2.9  | 3.9  | 10.6 | 14.6 | 5.2  | 1.7  |      |      |
| 18-20          | .2   |      | .1   | .7   | 2.3  | 3.0  | 13.2 | 12.3 | 5.9  | 1.3  | .3   | .2   |
| 21-23          |      | .1   | .3   | .1   | 1.3  | .2   | 8.7  | 7.4  | 3.1  | .6   | .1   |      |
| ALL<br>HOURS   | .1   | .1   | .2   | .3   | 1.3  | 1.1  | 5.3  | 5.8  | 2.3  | .8   | .3   | .1   |
| TOTAL<br>OBS   | 7440 | 6792 | 7440 | 7193 | 7440 | 7200 | 7440 | 7440 | 7200 | 7440 | 7200 | 7440 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JAN HOURS: ALL

| PHENOMENA                    | CALM | VARIABLE | 360 - 089 | 090 - 179 | 180 - 269 | 270 - 359 | NO OF OBS |      |
|------------------------------|------|----------|-----------|-----------|-----------|-----------|-----------|------|
| TSTMS                        | 25.0 |          | 12.5      | 12.5      | 37.5      | 12.5      | 8         |      |
| LIQUID<br>PRECIP             | 16.1 |          | 17.5      | 26.3      | 16.5      | 23.5      | 285       |      |
| FREEZING<br>PRECIP           |      |          |           |           |           |           |           |      |
| FROZEN<br>PRECIP             | 45.8 |          |           | 12.5      |           | 41.7      | 24        |      |
| FOG                          | 65.5 |          | 12.1      | 6.9       | 6.9       | 8.6       | 58        |      |
| FOG WITH VIS<br>GE 1/2 MILES | 65.5 |          | 12.7      | 5.5       | 7.3       | 9.1       | 55        |      |
| TOTAL OBS                    | 1329 | 0        | 590       | 3509      | 728       | 1284      | 0         | 7440 |

MONTH: FEB HOURS: ALL

|                              |      |   |      |      |      |      |   |      |
|------------------------------|------|---|------|------|------|------|---|------|
| TSTMS                        |      |   |      | 40.0 |      | 60.0 |   | 5    |
| LIQUID<br>PRECIP             | 13.0 |   | 21.7 | 23.6 | 19.2 | 22.5 |   | 276  |
| FREEZING<br>PRECIP           |      |   |      |      |      |      |   |      |
| FROZEN<br>PRECIP             |      |   |      |      | 40.0 | 60.0 |   | 5    |
| FOG                          | 43.2 |   | 5.4  | 16.2 | 13.5 | 21.6 |   | 37   |
| FOG WITH VIS<br>GE 1/2 MILES | 39.4 |   | 6.1  | 18.2 | 15.2 | 21.2 |   | 33   |
| TOTAL OBS                    | 974  | 0 | 480  | 3054 | 800  | 1484 | 0 | 6792 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAR HOURS: ALL

| PHENOMENA                    | CALM | VARIABLE | 360 - 089 | 090 - 179 | 180 - 269 | 270 - 359 | NO OF OBS |
|------------------------------|------|----------|-----------|-----------|-----------|-----------|-----------|
| TSTMS                        | 6.3  |          | 12.5      |           | 18.8      | 62.5      | 16        |
| LIQUID<br>PRECIP             | 5.9  |          | 13.2      | 24.1      | 27.7      | 29.1      | 220       |
| FREEZING<br>PRECIP           |      |          |           |           |           |           |           |
| FROZEN<br>PRECIP             |      |          |           |           |           |           |           |
| FOG                          |      |          |           | 11.1      | 22.2      | 66.7      | 9         |
| FOG WITH VIS<br>GE 1/2 MILES |      |          |           | 11.1      | 22.2      | 66.7      | 9         |
| TOTAL OBS                    | 942  | 0        | 330       | 2765      | 1394      | 2009      | 0 7440    |

MONTH: APR HOURS: ALL

|                              |     |   |      |      |      |      |        |
|------------------------------|-----|---|------|------|------|------|--------|
| TSTMS                        |     |   | 15.8 | 47.4 | 21.1 | 15.8 | 19     |
| LIQUID<br>PRECIP             | 8.6 |   | 10.2 | 27.3 | 29.7 | 24.2 | 128    |
| FREEZING<br>PRECIP           |     |   |      |      |      |      |        |
| FROZEN<br>PRECIP             |     |   |      |      |      |      |        |
| FOG                          |     |   |      |      |      |      |        |
| FOG WITH VIS<br>GE 1/2 MILES |     |   |      |      |      |      |        |
| TOTAL OBS                    | 812 | 0 | 420  | 2773 | 1586 | 1602 | 0 7193 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAY HOURS: ALL

| PHENOMENA                    | CALM | VARIABLE | 360 - 089 | 090 - 179 | 180 - 269 | 270 - 359 | NO OF OBS |
|------------------------------|------|----------|-----------|-----------|-----------|-----------|-----------|
| TSTMS                        | 3.2  |          | 24.7      | 25.8      | 33.3      | 12.9      | 93        |
| LIQUID<br>PRECIP             | 5.6  |          | 5.6       | 25.0      | 30.6      | 33.3      | 36        |
| FREEZING<br>PRECIP           |      |          |           |           |           |           |           |
| FROZEN<br>PRECIP             |      |          |           |           |           |           |           |
| FOG                          |      |          |           |           |           |           |           |
| FOG WITH VIS<br>GE 1/2 MILES |      |          |           |           |           |           |           |
| TOTAL OBS                    | 760  | 0        | 402       | 2597      | 1990      | 1691      | 7440      |

MONTH: JUN HOURS: ALL

|                              |     |   |      |      |      |      |      |
|------------------------------|-----|---|------|------|------|------|------|
| TSTMS                        | 5.0 |   | 18.8 | 28.8 | 27.5 | 20.0 | 80   |
| LIQUID<br>PRECIP             | 2.2 |   | 20.0 | 48.9 | 20.0 | 8.9  | 45   |
| FREEZING<br>PRECIP           |     |   |      |      |      |      |      |
| FROZEN<br>PRECIP             |     |   |      |      |      |      |      |
| FOG                          |     |   |      |      |      |      |      |
| FOG WITH VIS<br>GE 1/2 MILES |     |   |      |      |      |      |      |
| TOTAL OBS                    | 647 | 0 | 395  | 2648 | 1766 | 1744 | 7200 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUL HOURS: ALL

| PHENOMENA                    | CALM | VARIABLE | 360 - 089 | 090 - 179 | 180 - 269 | 270 - 359 | NO OF OBS |
|------------------------------|------|----------|-----------|-----------|-----------|-----------|-----------|
| TSTMS                        | 4.3  |          | 20.7      | 36.8      | 21.9      | 16.4      | 397       |
| LIQUID<br>PRECIP             | 5.6  |          | 14.8      | 46.9      | 22.2      | 10.5      | 162       |
| FREEZING<br>PRECIP           |      |          |           |           |           |           |           |
| FROZEN<br>PRECIP             |      |          |           |           |           |           |           |
| FOG                          |      |          |           |           |           |           |           |
| FOG WITH VIS<br>GE 1/2 MILES |      |          |           |           |           |           |           |
| TOTAL OBS                    | 961  | 0        | 495       | 2735      | 1457      | 1792      | 7440      |

MONTH: AUG HOURS: ALL

|                              |      |   |      |       |      |      |      |
|------------------------------|------|---|------|-------|------|------|------|
| TSTMS                        | 7.0  |   | 15.9 | 35.0  | 22.8 | 19.3 | 429  |
| LIQUID<br>PRECIP             | 8.2  |   | 24.5 | 40.8  | 19.0 | 7.6  | 184  |
| FREEZING<br>PRECIP           |      |   |      |       |      |      |      |
| FROZEN<br>PRECIP             |      |   |      |       |      |      |      |
| FOG                          |      |   |      | 100.0 |      |      | 1    |
| FOG WITH VIS<br>GE 1/2 MILES |      |   |      | 100.0 |      |      | 1    |
| TOTAL OBS                    | 1212 | 0 | 554  | 3200  | 1156 | 1318 | 7440 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: SEP HOURS: ALL

| PHENOMENA                    | CALM | VARIABLE | 360 - 089 | 090 - 179 | 180 - 269 | 270 - 359 | NO OF OBS |
|------------------------------|------|----------|-----------|-----------|-----------|-----------|-----------|
| TSTMS                        | 3.6  |          | 18.1      | 38.6      | 24.1      | 15.7      | 166       |
| LIQUID<br>PRECIP             | 6.3  |          | 22.3      | 40.2      | 19.6      | 11.6      | 112       |
| FREEZING<br>PRECIP           |      |          |           |           |           |           |           |
| FROZEN<br>PRECIP             |      |          |           |           |           |           |           |
| FOG                          |      |          |           | 100.0     |           |           | 1         |
| FOG WITH VIS<br>GE 1/2 MILES |      |          |           | 100.0     |           |           | 1         |
| TOTAL OBS                    | 980  | 0        | 502       | 3409      | 1104      | 1205      | 7200      |

MONTH: OCT HOURS: ALL

|                              |     |   |      |       |      |      |      |
|------------------------------|-----|---|------|-------|------|------|------|
| TSTMS                        | 5.2 |   | 12.1 | 29.3  | 20.7 | 32.8 | 58   |
| LIQUID<br>PRECIP             | 8.9 |   | 27.4 | 26.6  | 11.3 | 25.8 | 124  |
| FREEZING<br>PRECIP           |     |   |      |       |      |      |      |
| FROZEN<br>PRECIP             |     |   |      |       |      |      |      |
| FOG                          |     |   |      | 100.0 |      |      | 1    |
| FOG WITH VIS<br>GE 1/2 MILES |     |   |      | 100.0 |      |      | 1    |
| TOTAL OBS                    | 887 | 0 | 564  | 3694  | 980  | 1315 | 7440 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: NOV HOURS: ALL

| PHENOMENA                    | CALM | VARIABLE | 360 - 089 | 090 - 179 | 180 - 269 | 270 - 359 | NO OF OBS |
|------------------------------|------|----------|-----------|-----------|-----------|-----------|-----------|
| TSTMS                        | 16.7 |          | 5.6       | 16.7      | 16.7      | 44.4      | 18        |
| LIQUID<br>PRECIP             | 13.4 |          | 20.9      | 23.8      | 13.4      | 28.5      | 172       |
| FREEZING<br>PRECIP           |      |          |           |           |           |           |           |
| FROZEN<br>PRECIP             |      |          |           |           |           |           |           |
| FOG                          | 42.9 |          | 4.8       | 19.0      | 4.8       | 28.6      | 21        |
| FOG WITH VIS<br>GE 1/2 MILES | 35.3 |          | 5.9       | 17.6      | 5.9       | 35.3      | 17        |
| TOTAL OBS                    | 1113 | 0        | 498       | 3461      | 758       | 1370      | 0 7200    |

MONTH: DEC HOURS: ALL

|                              |      |   |      |      |      |      |        |
|------------------------------|------|---|------|------|------|------|--------|
| TSTMS                        |      |   |      | 60.0 | 40.0 |      | 5      |
| LIQUID<br>PRECIP             | 14.8 |   | 11.8 | 30.4 | 15.6 | 27.4 | 263    |
| FREEZING<br>PRECIP           |      |   |      |      |      |      |        |
| FROZEN<br>PRECIP             | 27.8 |   | 11.1 | 14.8 | 9.3  | 37.0 | 54     |
| FOG                          | 30.5 |   | 1.7  | 22.0 | 16.9 | 28.8 | 59     |
| FOG WITH VIS<br>GE 1/2 MILES | 28.6 |   | 1.8  | 21.4 | 17.9 | 30.4 | 56     |
| TOTAL OBS                    | 1495 | 0 | 450  | 3710 | 584  | 1201 | 0 7440 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTHS: ALL

| PHENOMENA                    | CALM  | VARIABLE | 360 - 089 | 090 - 179 | 180 - 269 | 270 - 359 | NO OF OBS |
|------------------------------|-------|----------|-----------|-----------|-----------|-----------|-----------|
| TSTMS                        | 5.3   |          | 17.9      | 33.9      | 23.6      | 19.2      | 1294      |
| LIQUID<br>PRECIP             | 10.6  |          | 17.8      | 30.3      | 19.4      | 21.8      | 2007      |
| FREEZING<br>PRECIP           |       |          |           |           |           |           |           |
| FROZEN<br>PRECIP             | 31.3  |          | 7.2       | 13.3      | 8.4       | 39.8      | 83        |
| FOG                          | 43.3  |          | 5.9       | 16.6      | 11.8      | 22.5      | 187       |
| FOG WITH VIS<br>GE 1/2 MILES | 41.0  |          | 6.4       | 16.2      | 12.7      | 23.7      | 173       |
| TOTAL OBS                    | 12112 | 0        | 5680      | 37555     | 14303     | 18015     | 0 87665   |



|          |           |          |            |            |
|----------|-----------|----------|------------|------------|
| PPPPPPPP | AAAAAA    | RRRRRRRR | TTTTTTTTTT | BBBBBBBBBB |
| PPPPPPPP | AAAAAAA   | RRRRRRRR | TTTTTTTTTT | BBBBBBBBBB |
| PP PP    | AA AA     | RR RR    | TT         | BB BB      |
| PP PP    | AA AA     | RR RR    | TT         | BB BB      |
| PPPPPPPP | AA AA     | RRRRRRRR | TT         | BBBBBBBBBB |
| PPPPPPPP | AAAAAAAAA | RRRRRRRR | TT         | BBBBBBBBBB |
| PP       | AAAAAAAAA | RR RR    | TT         | BB BB      |
| PP       | AA AA     | RR RR    | TT         | BB BB      |
| PP       | AA AA     | RR RR    | TT         | BBBBBBBBBB |
| PP       | AA AA     | RR RR    | TT         | BBBBBBBBBB |

## PART B

### PRECIPITATION, SNOWFALL, SNOW DEPTH SUMMARIES

ALL TABLES IN PART B ARE CREATED FROM SUMMARY OF DAY (SOD) DATA.

#### PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY OF PRECIPITATION, SNOWFALL AND SNOW DEPTH. DATA IS SUMMARIZED FOR ALL YEARS COMBINED. SUMMARIES INCLUDE THE PERCENT OF DAYS WITH MEASURABLE AMOUNTS, PERCENT OF DAYS WITH NO AMOUNTS, PERCENT OF DAYS WITH TRACES, AND PERCENT OF DAYS WITH SPECIFIED AMOUNTS. SUMMARIES ALSO PROVIDE AN OBSERVATION COUNT. A VALUE OF ".0" INDICATES ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

#### MONTHLY TOTALS.

THESE TABLES GIVE THE TOTAL MONTHLY PRECIPITATION AND SNOWFALL RESPECTIVELY. THEY ARE SUMMARIZED BY MONTH FOR ALL YEARS. THE TABLES ALSO GIVE THE GREATEST AMOUNTS, LEAST AMOUNTS, MEAN, MEDIAN, STANDARD DEVIATIONS, AND TOTAL AVAILABLE OBSERVATIONS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. INCOMPLETE MONTHS/YEARS ARE NOT INCLUDED IN STATISTICAL COMPUTATIONS. NOTE: LEAST AMOUNTS ARE DERIVED FROM COMPLETE MONTHS/YEARS ONLY. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH.

#### DAILY EXTREMES.

THESE TABLES GIVE THE MAXIMUM DAILY REPORTED AMOUNTS (BY INDIVIDUAL YEAR-MONTH) FOR PRECIPITATION, SNOWFALL, AND SNOW DEPTH, RESPECTIVELY. THEY SHOW THE GREATEST AMOUNTS FOR EACH MONTH AND THE TOTAL NUMBER OF AVAILABLE OBSERVATIONS FOR EACH MONTH AND YEAR. AN ASTERISK (\*) INDICATES A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH, AND "0" MEANS NO SNOW DEPTH FOR THE MONTH.

#### SNOWFALL/SNOW DEPTH--FIRST AND LAST DAYS OF OCCURRENCE BY SNOW YEAR.

THIS SUMMARY GIVES THE FIRST AND LAST OCCURRENCES OF SNOWFALL AND SNOW DEPTH FOR THE SNOW-YEAR DURING THE PERIOD OF RECORD. FOR THIS SUMMARY, THE SNOW-YEAR IS CONSIDERED TO RUN FROM 1 AUGUST TO 31 JULY. TABLES SUMMARIZE THE DATA BY SNOW-YEAR, BY MONTH, AND BY DAY. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OF AWS FORMS 10/10A (OR EQUIVALENT) AS EITHER A TRACE OR A MEASURABLE AMOUNT DEFINES THE FIRST (OR LAST) SNOWFALL FOR THE YEAR. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OTHER THAN ".0" OR "TRACE" DEFINES THE FIRST (OR LAST) MEASURABLE SNOWFALL. FINALLY, THE 1200 GMT ENTRY COLUMN 70 OF AWS FORM 10/10A (OR EQUIVALENT) DEFINES THE FIRST (OR LAST) OCCURRENCE OF SNOW DEPTH. THE LAST SNOW DEPTH IS CONSIDERED THE LAST SNOW MELT. THIS SUMMARY IS NOT PROVIDED WHEN NO SNOWFALL OCCURS DURING THE GIVEN POR.

NOTE 1. IF THE MINIMUM AMOUNT RECORDED IN THE MONTHLY TOTALS OR DAILY EXTREMES IS A TRACE, THE WORD "TRACE" WILL APPEAR IN THE APPROPRIATE COLUMN.

NOTE 2. TABLES INCLUDE STATISTICAL DATA ONLY WHEN FIVE (5) OR MORE SETS OF COMPLETE MONTHS ARE AVAILABLE.

NOTE 3. THE OBSERVATION COUNTS OR THE STATION HISTORY MIGHT PROVIDE CLUES AS TO WHY CERTAIN DATA ARE MISSING. FOR EXAMPLE, ONLY A FEW MISSING OBSERVATIONS MIGHT IMPLY MISSING DATA BECAUSE OF EQUIPMENT MALFUNCTION, BUT MORE THAN SEVERAL MISSING OBSERVATIONS USUALLY MEANS THE STATION IS (OR HAS BEEN) CLOSED.

NOTE 4. IN DAILY AND MONTHLY AMOUNTS SUMMARIES, THE LAST ENTRY ON THE PAGE GIVES THE GREATEST AMOUNT FOR THE PERIOD OF RECORD.

NOTE 5. BEFORE JANUARY 1956, SNOWFALL OCCURRENCES IN THE SUMMARY OF DAY INCLUDED HAIL.

NOTE 6. SNOW DEPTH REPORTING TIMES FOR USAF, NAVY AND CIVIL STATIONS ARE AS FOLLOWS:

| AIR FORCE             |          | NAVY AND NATIONAL WEATHER SERVICE |          |
|-----------------------|----------|-----------------------------------|----------|
| THROUGH 1945:         | 0800 LST | THROUGH JUN 1952:                 | 0030 GMT |
| JAN 1946 TO MAY 1957: | 1230 LST | JUN 1952 TO MAY 1957:             | 1230 GMT |
| JUN 1957 TO PRESENT:  | 1200 GMT | JUN 1957 TO PRESENT:              | 1200 GMT |

CONVERSIONS:

- 1 INCH = 25.39998 MILLIMETERS

- 1 MILLIMETER = .03937 INCHES

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: +07

PERIOD OF RECORD: 4107-4601,4801-8904  
MONTH: ALL HOURS: ALL

| AMOUNTS<br>(INCHES)          | JAN  | FEB  | MAR  | APR  | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  | NOV  | DEC  | ANN   |
|------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| NONE                         | 79.8 | 81.2 | 80.6 | 87.5 | 91.1 | 87.5 | 47.2 | 54.1 | 74.9 | 84.1 | 87.1 | 80.1 | 77.9  |
| TRACE                        | 6.2  | 5.8  | 6.1  | 5.5  | 5.2  | 6.3  | 21.0 | 18.5 | 10.7 | 5.7  | 3.2  | 6.2  | 8.4   |
| .01                          | .8   | 1.1  | 1.2  | .9   | .5   | 1.0  | 4.1  | 2.5  | .7   | .7   | .9   | .8   | 1.3   |
| .02-.05                      | 3.5  | 2.7  | 3.4  | 2.0  | 1.1  | 1.4  | 7.8  | 7.6  | 3.6  | 2.5  | 1.7  | 2.9  | 3.4   |
| .06-.10                      | 2.3  | 2.5  | 2.0  | .7   | .3   | 1.1  | 5.2  | 4.3  | 2.2  | 1.7  | 1.3  | 1.7  | 2.1   |
| .11-.25                      | 2.5  | 3.4  | 3.5  | 1.7  | 1.2  | 1.5  | 6.3  | 5.7  | 3.2  | 2.0  | 2.8  | 4.2  | 3.2   |
| .26-.50                      | 3.0  | 1.8  | 2.0  | 1.4  | .3   | .9   | 5.0  | 3.9  | 2.5  | 1.1  | 1.7  | 2.0  | 2.1   |
| .51-1.00                     | 1.6  | .9   | 1.2  | .2   | .3   | .3   | 2.9  | 2.3  | 1.4  | 1.7  | 1.2  | 1.8  | 1.3   |
| 1.01-2.50                    | .1   | .5   | .1   | .1   |      |      | .6   | 1.1  | .9   | .4   | .1   | .4   | .4    |
| 2.51-5.00                    |      |      |      |      |      |      |      |      | .1   | .1   |      |      | .0    |
| 5.01-10.00                   |      |      |      |      |      |      |      |      |      |      |      |      |       |
| 10.01-20.00                  |      |      |      |      |      |      |      |      |      |      |      |      |       |
| OVER 20.00                   |      |      |      |      |      |      |      |      |      |      |      |      |       |
| DAYS WITH<br>MEAS AMTS       | 14.0 | 13.0 | 13.3 | 7.0  | 3.7  | 6.2  | 31.9 | 27.4 | 14.4 | 10.2 | 9.7  | 13.6 | 13.8  |
| TOTAL NO. OF<br>OBSERVATIONS | 1457 | 1278 | 1426 | 1380 | 1395 | 1350 | 1403 | 1413 | 1380 | 1426 | 1380 | 1425 | 16713 |

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: +07

PERIOD OF RECORD: 4107-4601,4801-8904  
MONTH: ALL HOURS: ALL

| YEAR | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL  | AUG  | SEP   | OCT   | NOV   | DEC   | ANNUAL |
|------|-------|-------|-------|-------|-------|-------|------|------|-------|-------|-------|-------|--------|
| 41   |       |       |       |       |       |       | .00* | .00* | 1.34  | .46   | .62   | 1.79  | 4.21*  |
| 42   | .46   | 1.53  | .28   | .71   | .00   | .00   | 1.63 | 1.00 | 1.82  | .38   | TRACE | .36   | 8.17   |
| 43   | .40   | .29   | 2.23  | .05   | .68   | .05   | .70  | 2.87 | 2.89  | .27   | .00   | .84   | 11.27  |
| 44   | .38   | 1.02  | 1.09  | 1.04  | .29   | .01   | 1.21 | 1.88 | 1.72  | 1.19  | 1.44  | 1.35  | 12.62  |
| 45   | .49   | .47   | .54   | .16   | TRACE | .00   | 2.84 | 4.89 | .18   | 1.72  | .00   | .24   | 11.53  |
| 46   | 2.20  |       |       |       |       |       |      |      |       |       |       |       | 2.20*  |
| 48   | TRACE | 1.21* | .06   | TRACE | .00   | TRACE | 3.29 | .87  | .90   | .49   | TRACE | 1.27  | 8.09*  |
| 49   | 1.20  | .10   | .36   | .47   | TRACE | TRACE | .95  | 1.01 | 1.96  | .09   | .28   | .75   | 7.17   |
| 50   | .18   | 1.39  | .09   | TRACE | TRACE | .50   | 4.26 | .75  | .78   | .14   | TRACE | .24   | 8.33   |
| 51   | 1.01  | .61   | .12   | 1.78  | .04   | .00   | 1.45 | 2.14 | .81   | 2.32  | 1.76  | .67   | 12.71  |
| 52   | .57   | .18   | 1.86  | .93   | TRACE | .39   | 1.47 | 2.63 | .19   | .00   | 2.10  | .52   | 10.84  |
| 53   | .06   | .89   | .79   | .02   | .01   | .54   | 4.76 | .29  | .00   | TRACE | .20   | .16   | 7.72   |
| 54   | .86   | .38   | 1.46  | .00   | .32   | .53   | 1.80 | 1.99 | 1.51  | .07   | .00   | .07   | 8.99   |
| 55   | 1.57  | .16   | TRACE | TRACE | TRACE | .01   | 2.95 | 2.41 | .02   | .31   | TRACE | TRACE | 7.43   |
| 56   | 1.11  | .88   | .00   | .24   | TRACE | .02   | 1.68 | 1.22 | TRACE | .26   | TRACE | .26   | 5.67   |
| 57   | 2.85  | .40   | 1.21  | .09   | .03   | .24   | 1.01 | 2.47 | .00   | 3.06  | .84   | .79   | 12.99  |
| 58   | TRACE | 1.18  | 2.32  | .91   | TRACE | .53   | 2.82 | 2.18 | .96   | .77   | 1.00  | .00   | 12.67  |
| 59   | .02   | .23   | TRACE | .01   | .00   | .19   | 3.45 | 2.34 | TRACE | 1.26  | .81   | 2.68  | 10.99  |
| 60   | 2.02  | .60   | .30   | .00   | TRACE | TRACE | .95  | 1.18 | .87   | .78   | .05   | .55   | 7.30   |
| 61   | 1.19  | .02   | .48   | TRACE | .00   | .24   | 2.09 | 4.09 | .30   | .60   | .54   | 2.26  | 11.81  |
| 62   | 1.31  | .38   | .29   | TRACE | .00   | TRACE | 1.95 | .57  | 2.35  | .05   | .45   | .91   | 8.26   |
| 63   | .92   | 1.19  | .58   | .35   | TRACE | .02   | 1.18 | 2.51 | 1.16  | .58   | .96   | .18   | 9.63   |
| 64   | .38   | .04   | .64   | .57   | TRACE | .04   | 1.89 | 1.59 | 3.17  | .74   | .79   | .94   | 10.79  |
| 65   | .38   | .47   | .27   | .37   | .02   | .11   | 1.88 | 2.08 | .47   | .18   | .90   | 5.81  | 12.94  |
| 66   | 2.11  | 2.41  | .16   | .26   | .03   | .15   | 1.80 | 1.22 | 3.29  | 1.06  | .31   | .22   | 13.02  |
| 67   | TRACE | .11   | .47   | .49   | .21   | .43   | 2.23 | 1.41 | 1.40  | 1.14  | .42   | 3.40  | 11.71  |
| 68   | .50   | 1.16  | 1.56  | .78   | TRACE | TRACE | 2.00 | 2.72 | TRACE | .09   | 1.58  | .38   | 10.77  |
| 69   | .74   | .41   | .29   | .17   | .41   | TRACE | 1.22 | 1.44 | .61   | TRACE | 1.29  | .82   | 7.40   |
| 70   | TRACE | .24   | 1.37  | .06   | .23   | .43   | 2.21 | 2.13 | 2.83  | .62   | TRACE | .40   | 10.52  |
| 71   | .08   | .47   | TRACE | .44   | TRACE | .01   | 1.24 | 3.17 | 1.12  | 1.26  | .83   | 2.12  | 10.74  |
| 72   | .00   | .00   | TRACE | .00   | .35   | 1.15  | 1.71 | 1.54 | .97   | 4.88  | 1.10  | .73   | 12.43  |
| 73   | .10   | 1.92  | 2.04  | .02   | .01   | .60   | 2.65 | .34  | TRACE | .00   | .98   | .00   | 8.66   |
| 74   | 1.21  | .02   | .93   | TRACE | .00   | .25   | 1.78 | .91  | 1.72  | 2.04  | .81   | .35   | 10.02  |
| 75   | .46   | .23   | 1.11  | .28   | TRACE | .00   | 2.14 | .15  | .77   | .03   | .30   | .88   | 6.35   |

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: +07

PERIOD OF RECORD: 4107-4601,4801-8904  
MONTH: ALL HOURS: ALL

| YEAR      | JAN  | FEB  | MAR  | APR   | MAY   | JUN  | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANNUAL |
|-----------|------|------|------|-------|-------|------|-------|-------|-------|-------|-------|-------|--------|
| 76        | .14  | .87  | .20  | .72   | .27   | .26  | 1.82  | .58   | 2.21  | .46   | .41   | .76   | 8.70   |
| 77        | 2.20 | .05  | .69  | .26   | .02   | .08  | 1.28  | .33   | 1.34  | 2.16  | .41   | 1.42  | 10.24  |
| 78        | 3.00 | 2.10 | 1.33 | .04   | .89   | .81  | 1.27  | 1.34  | 2.77  | 1.65  | 1.77  | 3.49  | 20.46  |
| 79        | 2.78 | .45  | .67  | .10   | .56   | .75  | 1.73  | 3.37  | .28   | .21   | .04   | .26   | 11.20  |
| 80        | .91  | 3.24 | 1.52 | .08   | TRACE | .79  | 1.53  | 3.57  | 2.31  | .34   | TRACE | .09   | 14.38  |
| 81        | 1.23 | 1.57 | 1.97 | .54   | .47   | .80  | 3.90  | .20   | .64   | .04   | .73   | TRACE | 12.09  |
| 82        | 1.79 | .16  | 1.24 | .04   | .77   | .07  | 1.00  | 3.63  | 2.94  | .00   | 1.10  | 1.08  | 13.82  |
| 83        | 1.72 | 1.43 | 2.00 | .15   | .05   | .00  | 2.22  | 3.51  | 4.35  | 5.26  | 1.82  | .81   | 23.32  |
| 84        | .51  | .00  | .00  | .47   | .44   | .77  | 6.18  | 3.52  | 1.67  | .69   | .58   | 3.63  | 18.46  |
| 85        | 1.89 | .93  | .18  | .60   | TRACE | .32  | 1.97  | 1.15  | 1.97  | 1.91  | 1.06  | .28   | 12.26  |
| 86        | .85  | 1.42 | 1.59 | TRACE | .30   | .29  | 1.80  | 1.93  | .73   | .62   | 1.02  | 1.72  | 12.27  |
| 87        | .63  | 2.14 | .75  | 1.31  | 1.08  | .14  | .23   | 1.55  | 1.17  | .55   | .82   | 2.00  | 12.37  |
| 88        | .45  | .58  | .38  | .92   | TRACE | .57  | 2.63  | 3.79  | .08   | 2.30  | .82   | .02   | 12.54  |
| 89        | 1.27 | .20  | .84  | .00   |       |      |       |       |       |       |       |       | 2.31*  |
| .....     |      |      |      |       |       |      |       |       |       |       |       |       |        |
| LEAST     | .00  | .00  | .00  | .00   | .00   | .00  | .23   | .15   | .00   | .00   | .00   | .00   | 5.67   |
| GREATEST  | 3.00 | 3.24 | 2.32 | 1.78  | 1.08  | 1.15 | 6.18  | 4.89  | 4.35  | 5.26  | 2.10  | 5.81  | 23.32  |
| MEAN      | .94  | .77  | .79  | .33   | .17   | .27  | 2.06  | 1.92  | 1.27  | .93   | .67   | 1.03  | 11.22  |
| MEDIAN    | .74  | .47  | .61  | .17   | .01   | .15  | 1.80  | 1.88  | 1.05  | .57   | .68   | .74   | 11.10  |
| SD        | .830 | .748 | .695 | .407  | .271  | .301 | 1.114 | 1.174 | 1.078 | 1.171 | .575  | 1.193 | 3.419  |
| TOTAL OBS | 1457 | 1278 | 1426 | 1380  | 1395  | 1350 | 1403  | 1413  | 1380  | 1426  | 1380  | 1425  | 16713  |
| .....     |      |      |      |       |       |      |       |       |       |       |       |       |        |

THE GREATEST VALUE OF 6.18 OCCURRED ON 07/84

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: +07

PERIOD OF RECORD: 4107-4601,4801-8904  
MONTH: ALL HOURS: ALL

| YEAR | JAN   | FEB  | MAR   | APR   | MAY   | JUN   | JUL  | AUG  | SEP   | OCT   | NOV   | DEC   | ANNUAL |
|------|-------|------|-------|-------|-------|-------|------|------|-------|-------|-------|-------|--------|
| 41   |       |      |       |       |       |       | .00* | .00* | .88   | .34   | .60   | .72   | .88*   |
| 42   | .34   | 1.01 | .26   | .64   | .00   | .00   | .88  | .72  | 1.04  | .15   | TRACE | .15   | 1.04   |
| 43   | .33   | .19  | 1.95  | .05   | .68   | .02   | .30  | 1.11 | 2.27  | .17   | .00   | .50   | 2.27   |
| 44   | .29   | .42  | .62   | 1.04  | .29   | .01   | .96  | .88  | .75   | .39   | .50   | .62   | 1.04   |
| 45   | .29   | .26  | .21   | .12   | TRACE | .00   | 2.18 | 1.46 | .18   | .83   | .00   | .11   | 2.18   |
| 46   | .97   |      |       |       |       |       |      |      |       |       |       |       | .97*   |
| 48   | TRACE | .55* | .05   | TRACE | .00   | TRACE | 2.29 | .66  | .58   | .30   | TRACE | .39   | 2.29*  |
| 49   | .47   | .07  | .23   | .29   | TRACE | TRACE | .64  | .99  | 1.18  | .05   | .18   | .57   | 1.18   |
| 50   | .14   | 1.10 | .07   | TRACE | TRACE | .30   | 1.42 | .71  | .74   | .10   | TRACE | .24   | 1.42   |
| 51   | .45   | .35  | .08   | .48   | .04   | .00   | .52  | .88  | .36   | 1.89  | .63   | .21   | 1.89   |
| 52   | .52   | .18  | .54   | .38   | TRACE | .33   | .42  | 1.35 | .19   | .00   | 1.07  | .20   | 1.35   |
| 53   | .06   | .49  | .37   | .02   | .01   | .54   | 1.02 | .13  | .00   | TRACE | .19   | .16   | 1.02   |
| 54   | .52   | .36  | .62   | .00   | .20   | .31   | .71  | 1.03 | .89   | .07   | .00   | .05   | 1.03   |
| 55   | .48   | .16  | TRACE | TRACE | TRACE | .01   | .95  | .66  | .02   | .31   | TRACE | TRACE | .95    |
| 56   | .65   | .33  | .00   | .20   | TRACE | .01   | .54  | .68  | TRACE | .24   | TRACE | .26   | .68    |
| 57   | .70   | .08  | .51   | .09   | .02   | .21   | .50  | 1.08 | .00   | 1.06  | .58   | .42   | 1.08   |
| 58   | TRACE | .63  | .87   | .35   | TRACE | .45   | 2.28 | 1.20 | .38   | .58   | .87   | .00   | 2.28   |
| 59   | .02   | .23  | TRACE | .01   | .00   | .11   | .88  | .58  | TRACE | .81   | .54   | .68   | .88    |
| 60   | 1.08  | .53  | .18   | .00   | TRACE | TRACE | .48  | .40  | .50   | .68   | .05   | .46   | 1.08   |
| 61   | .85   | .02  | .39   | TRACE | .00   | .24   | 1.34 | 2.16 | .19   | .33   | .24   | .88   | 2.16   |
| 62   | .55   | .15  | .10   | TRACE | .00   | TRACE | .68  | .50  | 1.98  | .05   | .22   | .42   | 1.98   |
| 63   | .65   | .60  | .36   | .35   | TRACE | .02   | .38  | 1.16 | .67   | .53   | .47   | .18   | 1.16   |
| 64   | .29   | .04  | .22   | .54   | TRACE | .04   | .69  | .45  | 1.78  | .35   | .30   | .62   | 1.78   |
| 65   | .33   | .25  | .12   | .35   | .02   | .08   | 1.22 | .73  | .18   | .18   | .37   | 1.32  | 1.32   |
| 66   | .64   | 1.33 | .12   | .21   | .03   | .14   | .85  | .43  | 1.72  | .77   | .28   | .20   | 1.72   |
| 67   | TRACE | .09  | .25   | .37   | .19   | .39   | .45  | .71  | .57   | .94   | .27   | 1.45  | 1.45   |
| 68   | .26   | .39  | .77   | .34   | TRACE | TRACE | .44  | 1.41 | TRACE | .07   | 1.25  | .31   | 1.41   |
| 69   | .37   | .20  | .16   | .17   | .26   | TRACE | .42  | .43  | .35   | TRACE | .39   | .43   | .43    |
| 70   | TRACE | .21  | .51   | .06   | .23   | .29   | .90  | .78  | 1.69  | .62   | TRACE | .24   | 1.69   |
| 71   | .07   | .19  | TRACE | .44   | TRACE | .01   | .44  | .90  | .57   | 1.00  | .49   | .78   | 1.00   |
| 72   | .00   | .00  | TRACE | .00   | .21   | .33   | .88  | .48  | .69   | 1.70  | .67   | .44   | 1.70   |
| 73   | .02   | 1.14 | .56   | .02   | .01   | .35   | .75  | .11  | TRACE | .00   | .65   | .00   | 1.14   |
| 74   | .66   | .02  | .41   | TRACE | .00   | .22   | .75  | .45  | .64   | .90   | .68   | .28   | .90    |
| 75   | .23   | .19  | .64   | .14   | TRACE | .00   | .41  | .07  | .30   | .02   | .22   | .67   | .67    |

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: +07

PERIOD OF RECORD: 4107-4601,4801-8904  
MONTH: ALL HOURS: ALL

| YEAR      | JAN  | FEB  | MAR  | APR   | MAY   | JUN  | JUL  | AUG  | SEP  | OCT  | NOV   | DEC   | ANNUAL |
|-----------|------|------|------|-------|-------|------|------|------|------|------|-------|-------|--------|
| 76        | .14  | .42  | .20  | .35   | .15   | .18  | .73  | .19  | 1.77 | .25  | .15   | .76   | 1.77   |
| 77        | .58  | .04  | .58  | .18   | .02   | .08  | .55  | .08  | .83  | .98  | .25   | .77   | .98    |
| 78        | 1.18 | .51  | .47  | .04   | .66   | .45  | .38  | .29  | 2.53 | 1.27 | .83   | 1.18  | 2.53   |
| 79        | .60  | .23  | .30  | .09   | .15   | .43  | .85  | 1.62 | .17  | .21  | .04   | .14   | 1.62   |
| 80        | .33  | 1.02 | .58  | .04   | TRACE | .65  | .63  | 1.35 | .98  | .25  | TRACE | .08   | 1.35   |
| 81        | .62  | 1.16 | .87  | .22   | .32   | .52  | 1.00 | .11  | .34  | .03  | .63   | TRACE | 1.16   |
| 82        | .49  | .06  | .90  | .03   | .52   | .07  | .44  | .89  | 2.47 | .00  | .62   | .60   | 2.47   |
| 83        | .86  | .56  | .54  | .07   | .05   | .00  | .67  | 1.05 | 1.27 | 3.01 | .91   | .33   | 3.01   |
| 84        | .40  | .00  | .00  | .22   | .35   | .67  | .95  | .57  | 1.37 | .26  | .37   | 1.03  | 1.37   |
| 85        | .77  | .52  | .12  | .47   | TRACE | .23  | 1.08 | .40  | 1.18 | .69  | .58   | .14   | 1.18   |
| 86        | .85  | .56  | .75  | TRACE | .22   | .16  | .72  | 1.08 | .61  | .36  | .66   | 1.04  | 1.08   |
| 87        | .37  | 1.56 | .40  | .48   | .60   | .10  | .08  | .33  | .42  | .25  | .81   | .97   | 1.56   |
| 88        | .19  | .37  | .38  | .54   | TRACE | .21  | .65  | 1.74 | .05  | 1.13 | .43   | .02   | 1.74   |
| 89        | .99  | .20  | .84  | .00   |       |      |      |      |      |      |       |       | .99*   |
| .....     |      |      |      |       |       |      |      |      |      |      |       |       |        |
| GREATEST  | 1.18 | 1.56 | 1.95 | 1.04  | .68   | .67  | 2.29 | 2.16 | 2.53 | 3.01 | 1.25  | 1.45  | 3.01   |
| .....     |      |      |      |       |       |      |      |      |      |      |       |       |        |
| TOTAL OBS | 1457 | 1278 | 1426 | 1380  | 1395  | 1350 | 1403 | 1413 | 1380 | 1426 | 1380  | 1425  | 16713  |
| .....     |      |      |      |       |       |      |      |      |      |      |       |       |        |

THE GREATEST VALUE OF 3.01 OCCURRED ON 10/01/83

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: +07

PERIOD OF RECORD: 4801-8904  
MONTH: ALL HOURS: ALL

| AMOUNTS<br>(NCHES)           | JAN  | FEB  | MAR  | APR  | MAY  | JUN   | JUL   | AUG   | SEP   | OCT   | NOV  | DEC  | ANN   |
|------------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|------|------|-------|
| NONE                         | 98.1 | 98.5 | 98.3 | 99.4 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.6 | 96.9 | 99.2  |
| TRACE                        | 1.2  | .9   | 1.5  | .6   | .1   |       |       |       |       |       | .3   | 2.5  | .6    |
| 0.1-0.4                      | .1   | .3   |      |      |      |       |       |       |       |       |      | .1   | .0    |
| 0.5-1.4                      | .4   | .2   |      | .1   |      |       |       |       |       |       |      | .3   | .1    |
| 1.5-2.4                      |      |      | .2   |      |      |       |       |       |       |       |      | .1   | .0    |
| 2.5-3.4                      | .2   | .1   |      |      |      |       |       |       |       |       |      |      | .0    |
| 3.5-4.4                      |      |      |      |      |      |       |       |       |       |       |      |      |       |
| 4.5-6.4                      |      |      |      |      |      |       |       |       |       |       |      | .1   | .0    |
| 6.5-10.4                     |      |      |      |      |      |       |       |       |       |       | .1   |      | .0    |
| 10.5-15.4                    |      |      |      |      |      |       |       |       |       |       |      |      |       |
| 15.5-25.4                    |      |      |      |      |      |       |       |       |       |       |      |      |       |
| 25.5-50.4                    |      |      |      |      |      |       |       |       |       |       |      |      |       |
| OVER 50.4                    |      |      |      |      |      |       |       |       |       |       |      |      |       |
| DAYS WITH<br>MEAS AMTS       | .7   | .6   | .2   | .1   |      |       |       |       |       |       | .1   | .6   | .2    |
| TOTAL NO. OF<br>OBSERVATIONS | 1302 | 1165 | 1302 | 1260 | 1271 | 1230  | 1271  | 1271  | 1230  | 1271  | 1230 | 1271 | 15074 |

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: +07

PERIOD OF RECORD: 4801-8904  
MONTH: ALL HOURS: ALL

| YEAR | JAN   | FEB   | MAR   | APR   | MAY   | JUN | JUL | AUG | SEP | OCT | NOV   | DEC   | ANNUAL |
|------|-------|-------|-------|-------|-------|-----|-----|-----|-----|-----|-------|-------|--------|
| 48   | .0    | .0*   | .0    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | .0*    |
| 49   | 4.9   | .0    | .0    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .6    | 5.5    |
| 50   | .0    | .0    | .0    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | .0     |
| 51   | 3.6   | .0    | .0    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | TRACE | 3.6    |
| 52   | .0    | .0    | TRACE | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | TRACE  |
| 53   | .0    | TRACE | .0    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | TRACE  |
| 54   | .0    | .0    | .0    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | .0     |
| 55   | TRACE | TRACE | .0    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | TRACE  |
| 56   | .0    | TRACE | .0    | TRACE | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | TRACE  |
| 57   | .0    | .0    | .0    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | .0     |
| 58   | .0    | .0    | TRACE | .0    | .0    | .0  | .0  | .0  | .0  | .0  | 6.6   | .0    | 6.6    |
| 59   | .0    | .0    | .0    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | TRACE | TRACE  |
| 60   | .4    | .0    | .0    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | .4     |
| 61   | .0    | .0    | .0    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | TRACE | .0    | TRACE  |
| 62   | .0    | TRACE | .0    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | TRACE | TRACE  |
| 63   | .0    | .0    | .0    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | .0     |
| 64   | .0    | .0    | 4.1   | .0    | .0    | .0  | .0  | .0  | .0  | .0  | TRACE | .0    | 4.1    |
| 65   | TRACE | 1.3   | .0    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | TRACE | 1.3    |
| 66   | .0    | 3.5   | .0    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | TRACE | 3.5    |
| 67   | .0    | .0    | .0    | TRACE | .0    | .0  | .0  | .0  | .0  | .0  | TRACE | .8    | .8     |
| 68   | .0    | .0    | TRACE | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .6    | .6     |
| 69   | .0    | TRACE | TRACE | .0    | TRACE | .0  | .0  | .0  | .0  | .0  | .0    | TRACE | TRACE  |
| 70   | .0    | .0    | TRACE | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | TRACE  |
| 71   | TRACE | .1    | .0    | TRACE | .0    | .0  | .0  | .0  | .0  | .0  | .0    | 6.0   | 6.1    |
| 72   | .0    | .0    | .0    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | TRACE | TRACE  |
| 73   | TRACE | .0    | TRACE | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | TRACE  |
| 74   | TRACE | .0    | TRACE | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | TRACE | TRACE  |
| 75   | .0    | .0    | TRACE | TRACE | .0    | .0  | .0  | .0  | .0  | .0  | TRACE | TRACE | TRACE  |
| 76   | .0    | .0    | 1.5   | .5    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | 2.0    |
| 77   | .0    | .0    | TRACE | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | TRACE  |
| 78   | .0    | .0    | .0    | TRACE | .0    | .0  | .0  | .0  | .0  | .0  | .0    | TRACE | TRACE  |
| 79   | 1.0   | .0    | .0    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | TRACE | 1.0    |
| 80   | .0    | .0    | TRACE | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | TRACE  |

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: +07

PERIOD OF RECORD: 4801-8904  
MONTH: ALL HOURS: ALL

| YEAR      | JAN   | FEB   | MAR   | APR   | MAY   | JUN  | JUL  | AUG  | SEP  | OCT  | NOV   | DEC   | ANNUAL |
|-----------|-------|-------|-------|-------|-------|------|------|------|------|------|-------|-------|--------|
| 81        | .0    | .0    | .0    | .0    | .0    | .0   | .0   | .0   | .0   | .0   | .0    | .0    | .0     |
| 82        | TRACE | .0    | .0    | .0    | .0    | .0   | .0   | .0   | .0   | .0   | .0    | TRACE | TRACE  |
| 83        | .0    | .0    | TRACE | TRACE | .0    | .0   | .0   | .0   | .0   | .0   | .0    | .0    | TRACE  |
| 84        | .0    | .0    | .0    | .0    | .0    | .0   | .0   | .0   | .0   | .0   | .0    | TRACE | TRACE  |
| 85        | .0    | 1.0   | .0    | .0    | .0    | .0   | .0   | .0   | .0   | .0   | .0    | TRACE | 1.0    |
| 86        | .0    | .3    | .0    | .0    | .0    | .0   | .0   | .0   | .0   | .0   | .0    | TRACE | .3     |
| 87        | 3.9   | TRACE | TRACE | .0    | .0    | .0   | .0   | .0   | .0   | .0   | .0    | 2.7   | 6.6    |
| 88        | .0    | .0    | .0    | .0    | .0    | .0   | .0   | .0   | .0   | .0   | .0    | TRACE | TRACE  |
| 89        | .0    | .0    | .0    | .0    | .0    | .0   | .0   | .0   | .0   | .0   | .0    | .0    | .0*    |
| LEAST     | .0    | .0    | .0    | .0    | .0    | .0   | .0   | .0   | .0   | .0   | .0    | .0    | .0     |
| GREATEST  | 4.9   | 3.5   | 4.1   | .5    | TRACE | .0   | .0   | .0   | .0   | .0   | 6.6   | 6.0   | 6.6    |
| MEAN      | .3    | .1    | .1    | TRACE | TRACE | .0   | .0   | .0   | .0   | .0   | .2    | .3    | 1.1    |
| MEDIAN    | .0    | .0    | .0    | .0    | .0    | .0   | .0   | .0   | .0   | .0   | .0    | TRACE | TRACE  |
| SD        | 1.091 | .594  | .668  | .077  | .000  | .000 | .000 | .000 | .000 | .000 | 1.031 | 1.023 | 2.016  |
| TOTAL OBS | 1302  | 1165  | 1302  | 1260  | 1271  | 1230 | 1271 | 1271 | 1230 | 1271 | 1230  | 1271  | 15074  |

THE GREATEST VALUE OF 6.6 OCCURRED ON 11/58

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: +07

PERIOD OF RECORD: 4801-8904  
MONTH: ALL HOURS: ALL

| YEAR | JAN   | FEB   | MAR   | APR   | MAY   | JUN | JUL | AUG | SEP | OCT | NOV   | DEC   | ANNUAL |
|------|-------|-------|-------|-------|-------|-----|-----|-----|-----|-----|-------|-------|--------|
| 48   | .0    | .0*   | .0    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | .0*    |
| 49   | 2.5   | .0    | .0    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .6    | 2.5    |
| 50   | .0    | .0    | .0    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | .0     |
| 51   | 2.6   | .0    | .0    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | TRACE | 2.6    |
| 52   | .0    | .0    | TRACE | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | TRACE  |
| 53   | .0    | TRACE | .0    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | TRACE  |
| 54   | .0    | .0    | .0    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | .0     |
| 55   | TRACE | TRACE | .0    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | TRACE  |
| 56   | .0    | TRACE | .0    | TRACE | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | TRACE  |
| 57   | .0    | .0    | .0    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | .0     |
| 58   | .0    | .0    | TRACE | .0    | .0    | .0  | .0  | .0  | .0  | .0  | 6.6   | .0    | 6.6    |
| 59   | .0    | .0    | .0    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | TRACE | TRACE  |
| 60   | .4    | .0    | .0    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | .4     |
| 61   | .0    | .0    | .0    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | TRACE | .0    | TRACE  |
| 62   | .0    | TRACE | .0    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | TRACE | TRACE  |
| 63   | .0    | .0    | .0    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | .0     |
| 64   | .0    | .0    | 2.2   | .0    | .0    | .0  | .0  | .0  | .0  | .0  | TRACE | .0    | 2.2    |
| 65   | TRACE | 1.0   | .0    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | TRACE | 1.0    |
| 66   | .0    | 3.1   | .0    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | TRACE | 3.1    |
| 67   | .0    | .0    | .0    | TRACE | .0    | .0  | .0  | .0  | .0  | .0  | TRACE | .8    | .8     |
| 68   | .0    | .0    | TRACE | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .5    | .5     |
| 69   | .0    | TRACE | TRACE | .0    | TRACE | .0  | .0  | .0  | .0  | .0  | .0    | TRACE | TRACE  |
| 70   | .0    | .0    | TRACE | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | TRACE  |
| 71   | TRACE | .1    | .0    | TRACE | .0    | .0  | .0  | .0  | .0  | .0  | .0    | 6.0   | 6.0    |
| 72   | .0    | .0    | .0    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | TRACE | TRACE  |
| 73   | TRACE | .0    | TRACE | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | TRACE  |
| 74   | TRACE | .0    | TRACE | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | TRACE | TRACE  |
| 75   | .0    | .0    | TRACE | TRACE | .0    | .0  | .0  | .0  | .0  | .0  | TRACE | TRACE | TRACE  |
| 76   | .0    | .0    | 1.5   | .5    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | 1.5    |
| 77   | .0    | .0    | TRACE | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | TRACE  |
| 78   | .0    | .0    | .0    | TRACE | .0    | .0  | .0  | .0  | .0  | .0  | .0    | TRACE | TRACE  |
| 79   | 1.0   | .0    | .0    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | TRACE | 1.0    |
| 80   | .0    | .0    | TRACE | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | TRACE  |

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: +07

PERIOD OF RECORD: 4801-8904  
MONTH: ALL HOURS: ALL

| YEAR | JAN   | FEB   | MAR   | APR   | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC   | ANNUAL |
|------|-------|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-------|--------|
| 81   | .0    | .0    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0    | .0     |
| 82   | TRACE | .0    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0  | .0  | TRACE | TRACE  |
| 83   | .0    | .0    | TRACE | TRACE | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0    | TRACE  |
| 84   | .0    | .0    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0  | .0  | TRACE | TRACE  |
| 85   | .0    | 1.0   | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0  | .0  | TRACE | 1.0    |
| 86   | .0    | .3    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0  | .0  | TRACE | .3     |
| 87   | 2.9   | TRACE | TRACE | .0    | .0  | .0  | .0  | .0  | .0  | .0  | .0  | 1.8   | 2.9    |
| 88   | .0    | .0    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0  | .0  | TRACE | TRACE  |
| 89   | .0    | .0    | .0    | .0    |     |     |     |     |     |     |     |       | .0*    |

|           |      |      |      |      |       |      |      |      |      |      |      |      |       |
|-----------|------|------|------|------|-------|------|------|------|------|------|------|------|-------|
| GREATEST  | 2.9  | 3.1  | 2.2  | .5   | TRACE | .0   | .0   | .0   | .0   | .0   | 6.6  | 6.0  | 6.6   |
| TOTAL OBS | 1302 | 1165 | 1302 | 1260 | 1271  | 1230 | 1271 | 1271 | 1230 | 1271 | 1230 | 1271 | 15074 |

THE GREATEST VALUE OF 6.6 OCCURRED ON 11/16/58

NOTE \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: +07

PERIOD OF RECORD: 4107-4601,4801-8904  
MONTH: ALL HOURS: ALL

| AMOUNTS<br>(INCHES)          | JAN  | FEB  | MAR  | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV  | DEC  | ANN   |
|------------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|------|------|-------|
| NONE                         | 99.3 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 99.4 | 99.8  |
| TRACE                        | .4   | .2   | .1   |       |       |       |       |       |       |       |      | .4   | .1    |
| 1                            | .3   | .2   |      |       |       |       |       |       |       |       |      | .1   | .0    |
| 2                            |      |      | .1   |       |       |       |       |       |       |       |      |      | .0    |
| 3                            |      |      |      |       |       |       |       |       |       |       | .1   | .1   | .0    |
| 4-6                          |      |      | .1   |       |       |       |       |       |       |       |      |      | .0    |
| 7-12                         |      |      |      |       |       |       |       |       |       |       |      |      |       |
| 13-24                        |      |      |      |       |       |       |       |       |       |       |      |      |       |
| 25-36                        |      |      |      |       |       |       |       |       |       |       |      |      |       |
| 37-48                        |      |      |      |       |       |       |       |       |       |       |      |      |       |
| 49-60                        |      |      |      |       |       |       |       |       |       |       |      |      |       |
| 61-120                       |      |      |      |       |       |       |       |       |       |       |      |      |       |
| OVER 120                     |      |      |      |       |       |       |       |       |       |       |      |      |       |
| DAYS WITH<br>MEAS AMTS       | .3   | .2   | .1   |       |       |       |       |       |       |       | .1   | .2   | .1    |
| TOTAL NO. OF<br>OBSERVATIONS | 1457 | 1278 | 1426 | 1380  | 1395  | 1350  | 1410  | 1426  | 1380  | 1426  | 1380 | 1426 | 16734 |

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: +07

PERIOD OF RECORD: 4107-4601,4801-8904  
MONTH: ALL HOURS: ALL

| YEAR | JAN   | FEB   | MAR   | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC   | ANNUAL |
|------|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-------|--------|
| 41   |       |       |       |     |     |     | 0*  | 0   | 0   | 0   | 0   | TRACE | TRACE* |
| 42   | TRACE | TRACE | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | TRACE  |
| 43   | 0     | 0     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 0      |
| 44   | 0     | 0     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 0      |
| 45   | 0     | 0     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 0      |
| 46   | 0     |       |       |     |     |     |     |     |     |     |     |       | 0*     |
| 48   | 0     | 0*    | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 0*     |
| 49   | TRACE | 0     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | TRACE | TRACE  |
| 50   | 0     | 0     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 0      |
| 51   | 1     | 0     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 1      |
| 52   | 0     | 0     | TRACE | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | TRACE  |
| 53   | 0     | 0     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 0      |
| 54   | 0     | 0     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 0      |
| 55   | 0     | 0     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 0      |
| 56   | 0     | 0     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 0      |
| 57   | 0     | 0     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 0      |
| 58   | 0     | 0     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 3   | 0     | 3      |
| 59   | 0     | 0     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 0      |
| 60   | 0     | 0     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 0      |
| 61   | 0     | 0     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 0      |
| 62   | 0     | 0     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 0      |
| 63   | 0     | 0     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 0      |
| 64   | 0     | 0     | 4     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 4      |
| 65   | 0     | 1     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 1      |
| 66   | 0     | 1     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 1      |
| 67   | 0     | 0     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 0      |
| 68   | 0     | 0     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1     | 1      |
| 69   | 0     | 0     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 0      |
| 70   | 0     | 0     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 0      |
| 71   | 0     | 0     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 3     | 3      |
| 72   | 0     | 0     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 0      |
| 73   | 0     | 0     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 0      |
| 74   | 0     | 0     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 0      |
| 75   | 0     | 0     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 0      |

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: +07

PERIOD OF RECORD: 4107-4601,4801-8904  
MONTH: ALL HOURS: ALL

| YEAR      | JAN  | FEB  | MAR  | APR  | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  | NOV  | DEC  | ANNUAL |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 76        | 0    | 0    | 2    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 2      |
| 77        | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0      |
| 78        | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0      |
| 79        | 1    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 1      |
| 80        | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0      |
| 81        | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0      |
| 82        | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0      |
| 83        | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0      |
| 84        | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0      |
| 85        | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0      |
| 86        | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0      |
| 87        | 1    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 3    | 3      |
| 88        | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0      |
| 89        | 0    | 0    | 0    | 0    |      |      |      |      |      |      |      |      | 0*     |
| .....     |      |      |      |      |      |      |      |      |      |      |      |      |        |
| GREATEST  | 1    | 1    | 4    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 3    | 3    | 4      |
| .....     |      |      |      |      |      |      |      |      |      |      |      |      |        |
| TOTAL OBS | 1457 | 1278 | 1426 | 1380 | 1395 | 1350 | 1410 | 1426 | 1380 | 1426 | 1380 | 1426 | 16734  |

THE GREATEST VALUE OF 4 OCCURRED ON 03/03/64

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ

PERIOD OF RECORD: 4107-4601,4801-8904  
SNOW-YEAR: 1 AUG - 31 JUL

| SNOW-YEAR | FIRST<br>SNOWFALL | FIRST<br>MEASURABLE<br>SNOWFALL | FIRST<br>MEASURABLE<br>SNOW DEPTH | LAST<br>SNOWFALL | LAST<br>MEASURABLE<br>SNOWFALL | LAST<br>MEASURABLE<br>SNOW DEPTH |
|-----------|-------------------|---------------------------------|-----------------------------------|------------------|--------------------------------|----------------------------------|
| 48 - 49   | JAN 15            | JAN 15                          |                                   | JAN 26           | JAN 25                         |                                  |
| 49 - 50   | DEC 20            | DEC 20                          |                                   | DEC 20           | DEC 20                         |                                  |
| 50 - 51   | JAN 01            | JAN 01                          | JAN 01                            | JAN 17           | JAN 12                         | JAN 12                           |
| 51 - 52   | DEC 07            |                                 |                                   | MAR 11           |                                |                                  |
| 52 - 53   | FEB 24            |                                 |                                   | FEB 24           |                                |                                  |
| 54 - 55   | JAN 19            |                                 |                                   | FEB 18           |                                |                                  |
| 55 - 56   | FEB 16            |                                 |                                   | APR 02           |                                |                                  |
| 57 - 58   | MAR 07            |                                 |                                   | MAR 12           |                                |                                  |
| 58 - 59   | NOV 16            | NOV 16                          | NOV 17                            | NOV 16           | NOV 16                         | NOV 17                           |
| 59 - 60   | DEC 13            | JAN 02                          |                                   | JAN 16           | JAN 02                         |                                  |
| 61 - 62   | NOV 21            |                                 |                                   | FEB 27           |                                |                                  |
| 62 - 63   | DEC 25            |                                 |                                   | DEC 25           |                                |                                  |
| 63 - 64   | MAR 02            | MAR 02                          | MAR 03                            | MAR 08           | MAR 03                         | MAR 03                           |
| 64 - 65   | NOV 15            | FEB 09                          | FEB 10                            | FEB 10           | FEB 10                         | FEB 10                           |
| 65 - 66   | DEC 13            | FEB 08                          | FEB 09                            | FEB 09           | FEB 09                         | FEB 09                           |
| 66 - 67   | DEC 30            |                                 |                                   | APR 12           |                                |                                  |
| 67 - 68   | NOV 29            | DEC 17                          |                                   | MAR 09           | DEC 17                         |                                  |
| 68 - 69   | DEC 20            | DEC 20                          | DEC 21                            | MAY 05           | DEC 21                         | DEC 21                           |
| 69 - 70   | DEC 28            |                                 |                                   | MAR 10           |                                |                                  |
| 70 - 71   | JAN 03            | FEB 20                          |                                   | APR 18           | FEB 20                         |                                  |
| 71 - 72   | DEC 04            | DEC 08                          | DEC 08                            | DEC 14           | DEC 08                         | DEC 08                           |
| 72 - 73   | DEC 09            |                                 |                                   | MAR 14           |                                |                                  |
| 73 - 74   | JAN 02            |                                 |                                   | MAR 09           |                                |                                  |
| 74 - 75   | DEC 23            |                                 |                                   | APR 07           |                                |                                  |
| 75 - 76   | NOV 29            | MAR 03                          | MAR 04                            | APR 16           | APR 16                         | MAR 04                           |
| 76 - 77   | MAR 26            |                                 |                                   | MAR 26           |                                |                                  |
| 77 - 78   | APR 08            |                                 |                                   | APR 08           |                                |                                  |
| 78 - 79   | DEC 06            | JAN 29                          | JAN 29                            | JAN 29           | JAN 29                         | JAN 29                           |
| 79 - 80   | DEC 12            |                                 |                                   | MAR 19           |                                |                                  |

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722745 STATION NAME: DAVIS-MONTHAN AFB AZ

PERIOD OF RECORD: 4107-4601,4801-8904  
SNOW-YEAR: 1 AUG - 31 JUL

| SNOW-YEAR | FIRST<br>SNOWFALL | FIRST<br>MEASURABLE<br>SNOWFALL | FIRST<br>MEASURABLE<br>SNOW DEPTH | LAST<br>SNOWFALL | LAST<br>MEASURABLE<br>SNOWFALL | LAST<br>MEASURABLE<br>SNOW DEPTH |
|-----------|-------------------|---------------------------------|-----------------------------------|------------------|--------------------------------|----------------------------------|
| 81 - 82   | JAN 02            |                                 |                                   | JAN 29           |                                |                                  |
| 82 - 83   | DEC 01            |                                 |                                   | APR 13           |                                |                                  |
| 84 - 85   | DEC 13            | FEB 03                          |                                   | FEB 04           | FEB 03                         |                                  |
| 85 - 86   | DEC 11            | FEB 07                          |                                   | FEB 07           | FEB 07                         |                                  |
| 86 - 87   | DEC 10            | JAN 16                          | JAN 17                            | MAR 22           | JAN 20                         | JAN 17                           |
| 87 - 88   | DEC 13            | DEC 24                          | DEC 25                            | DEC 26           | DEC 25                         | DEC 25                           |
| 88 - 89   | DEC 26            |                                 |                                   | DEC 27           |                                |                                  |

|             |        |        |        |        |        |        |
|-------------|--------|--------|--------|--------|--------|--------|
| MEDIAN-DATE | DEC 20 | JAN 15 | JAN 17 | MAR 03 | JAN 22 | JAN 17 |
|-------------|--------|--------|--------|--------|--------|--------|

|         |           |         |           |         |
|---------|-----------|---------|-----------|---------|
| PPPPPPP | AAAAAA    | RRRRRRR | TTTTTTTTT | CCCCC   |
| PPPPPPP | AAAAAAA   | RRRRRRR | TTTTTTTTT | CCCCCCC |
| PP PP   | AA AA     | RR RR   | TT        | CC CC   |
| PP PP   | AA AA     | RR RR   | TT        | CC      |
| PPPPPPP | AA AA     | RRRRRRR | TT        | CC      |
| PPPPPPP | AAAAAAAAA | RRRRRRR | TT        | CC      |
| PP      | AAAAAAAAA | RR RR   | TT        | CC      |
| PP      | AA AA     | RR RR   | TT        | CC CC   |
| PP      | AA AA     | RR RR   | TT        | CCCCCCC |
| PP      | AA AA     | RR RR   | TT        | CCCCC   |

PART C

SURFACE WIND SUMMARIES

PEAK WINDS.

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA. SPEEDS ARE IN KNOTS. DIRECTIONS ARE TO 16 COMPASS POINTS FROM THE BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968, BUT IN JULY 1968, ALL STATIONS EXCEPT THOSE OF THE NATIONAL WEATHER SERVICE STARTED RECORDING DIRECTIONS IN TENS OF DEGREES. DATA IS SUMMARIZED BY MONTH FOR EACH YEAR FOR THE ENTIRE PERIOD OF RECORD AVAILABLE. GIVEN: THE GREATEST MONTHLY VALUE FOR ALL YEARS COMBINED, THE GREATEST YEARLY VALUE FOR ALL YEARS COMBINED, AND THE DATE OF THE ABSOLUTE PEAK WIND RECORDED FOR THE ENTIRE PERIOD OF RECORD. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

PEAK WINDS--PERCENT OCCURRENCE FREQUENCY.

ALSO FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED BY MONTH, FOR ALL YEARS COMBINED, FOR ELEVEN WIND SPEED GROUPS. THE 1-4 KNOT SPEED GROUP INCLUDES CALM WINDS. IF THE PEAK WIND IS REPORTED FOR A PARTICULAR DAY AS "CALM," THAT COUNT GOES INTO THE "1-4KNOT" CATEGORY. TABLES INCLUDE MEANS, MEDIANS, AND TOTAL OBSERVATION COUNTS. THE VALUES IN THIS SUMMARY ACCOUNT FOR A PEAK WIND BEING RECORDED FOR EACH DAY OF EACH MONTH.

WIND DIRECTION VS WIND SPEED--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS. THEY SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

THESE TABLES GIVE A BIVARIATE DISTRIBUTION OF THE PERCENT OCCURRENCE FREQUENCY (POF) FOR ELEVEN WIND SPEED GROUPS VERSUS TWELVE WIND DIRECTION SECTORS GIVEN IN 30 DEGREE INCREMENTS. "CALM" AND "VARIABLE" WINDS ARE GIVEN SEPARATELY. CARDINAL WIND DIRECTIONS (N,E,S,W) APPEAR FOR REFERENCE. TOTAL PERCENTAGES, MEANS, AND MEDIANS FOR EACH SECTOR, ALONG WITH TOTAL OBSERVATION COUNTS, ARE PRINTED BELOW EACH SUMMARY.

ALSO PROVIDED: A BIVARIATE DISTRIBUTION OF WIND DIRECTION VERSUS WIND SPEED FOR SPECIFIED CEILING/VISIBILITY CONDITIONS. THESE CONDITIONS ARE:

WHEN THE VISIBILITY IS GREATER THAN OR EQUAL TO 1/2 MILES (0800 METERS) THE CEILING MUST BE GREATER THAN OR EQUAL TO 200 FEET BUT LESS THAN 150 FEET. IF THIS CONDITION IS NOT MET, THEN THE FOLLOWING CONDITION IS TESTED: WHEN THE CEILING IS GREATER THAN OR EQUAL TO 200 FEET, THE VISIBILITY MUST BE GREATER THAN OR EQUAL TO 1/2 (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS).

CONVERSION: 1 KNOT = .514791 METERS PER SECOND

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: +07

PERIOD OF RECORD: 4801-5405,5601-8904  
MONTH: ALL HOURS: ALL

| YEAR | JAN    | FEB    | MAR    | APR    | MAY    | JUN    | JUL    | AUG    | SEP    | OCT    | NOV    | DEC    | ANN    |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 48   | SSW*34 | *      | WSW*33 | W *42  | SSW*32 | SE 41  | *      | *      | ESE*38 | SW *35 | NW *42 | SSE*23 | W *42  |
| 49   | WSW 41 | SSL 32 | SSW 36 | W 31   | WNW 33 | SSW 33 | WNW 35 | E 36   | S 37   | S 35   | SW *26 | WSW 50 | WSW*50 |
| 50   | WSW 36 | S 37   | SW 45  | SSW 32 | WSW 40 | SW 49  | ENE 44 | WSW 44 | ENE 32 | SSW 28 | ESE 31 | WSW 32 | SW 49  |
| 51   | S 30   | NNE 30 | E 33   | W 32   | SW 44  | NNW 31 | SSE 40 | S 47   | SSE 43 | SW 37  | *      | *      | S *47  |
| 52   | ENE*24 | ENE*36 | S 43   | SW 56  | WNW 31 | W 34   | SSE 56 | SW 41  | NE 40  | SW 29  | N 43   | W 42   | SW *56 |
| 53   | NW 31  | W 45   | NNW 36 | SSW 42 | WSW 30 | ESE 35 | SSW 46 | W 35   | WSW 23 | ESE*41 | NNW*43 | NNW 49 | NNW*49 |
| 54   | SSW 30 | NW 36  | W 37   | WSW 36 | SW 42  |        |        |        |        |        |        |        | SW *42 |
| 56   | SW *36 | SSW 28 | WNW 36 | SSW 38 | SW 30  | W 35   | ESE 45 | NW 44  | SE 33  | SW 28  | ESE 35 | ESE 28 | ESE*45 |
| 57   | ESE 35 | NW 24  | SW 32  | NW 40  | SE 35  | NW 34  | S 42   | E 37   | ENE 26 | SW 45  | ESE 29 | ESE 33 | SW 45  |
| 58   | NE 30  | W 32   | SSW 31 | S 33   | SSE 45 | NNW 60 | E 41   | ESE 49 | ENE 40 | SE 37  | WNW 32 | N 23   | NNW 60 |
| 59   | S 28   | W 36   | WSW 37 | SE 31  | S 35   | SE 35  | ESE 50 | ESE 28 | SSW 32 | SE 32  | ENE 29 | W 35   | ESE 50 |
| 60   | SE 26  | W 34   | NW 34  | WSW 30 | S 31   | N 36   | ENE 45 | NE 35  | N 46   | WNW 33 | ESE 31 | WSW 29 | N 46   |
| 61   | ESE 33 | NW 38  | SW 31  | WSW 37 | SW 32  | SE 48  | SE 39  | WSW 36 | ESE 29 | E 38   | SE 38  | SE 26  | SE 48  |
| 62   | ENE 41 | W 30   | NW 36  | SW 35  | SSW 33 | SSW 41 | NE 45  | SE 38  | NW 42  | ESE 33 | ESE 29 | WSW 34 | NE 45  |
| 63   | W 30   | SE 31  | W 39   | SW 32  | ESE 26 | SSW 36 | S 37   | ENE*29 | SW *24 | SW *23 | W 31   | ENE 27 | W *39  |
| 64   | E 26   | NW 30  | SW 38  | S 44   | SW 31  | ENE 40 | SE 40  | ENE 35 | W 32   | SW 29  | S 28   | ESE 32 | S 44   |
| 65   | NW 26  | W 32   | W 47   | ENE 33 | NE 39  | ESE 37 | ESE 47 | N 45   | S 36   | E 49   | SW 34  | E 41   | E 49   |
| 66   | E 31   | ESE 36 | SW 35  | N 40   | ESE 36 | ENE 35 | NNE 61 | NE 52  | E 40   | W 28   | SW 35  | SSW 36 | NNE 61 |
| 67   | ESE 33 | SSW 36 | S 35   | SSW 33 | SW 40  | SW 34  | SE 49  | NNE 46 | ENE 38 | ESE 31 | ESE 34 | S 37   | SE 49  |
| 68   | SE 35  | ESE 32 | SSW 32 | E 38   | WSW 40 | WSW 38 | 11/ 46 | 16/ 45 | 10/ 33 | 28/ 29 | 11/ 45 | 26/ 38 | 11/ 46 |
| 69   | 13/ 27 | 21/ 40 | 22/ 36 | 23/ 29 | 19/ 30 | 16/ 38 | 06/ 53 | 06/ 62 | 10/ 36 | 21/ 33 | 05/ 40 | 29/ 33 | 06/ 62 |
| 70   | 30/ 29 | 12/ 46 | 21/ 35 | 22/ 39 | 05/ 43 | 17/ 45 | 15/ 46 | 05/ 32 | 12/ 35 | 26/ 36 | 20/ 31 | 24/ 30 | 12/ 46 |
| 71   | 24/ 37 | 20/ 50 | 30/ 36 | 22/ 33 | 18/ 37 | 06/ 42 | 14/ 58 | 13/ 47 | 14/ 42 | 20/ 36 | 10/ 23 | 19/ 42 | 14/ 58 |
| 72   | 29/ 31 | 29/ 31 | 33/ 41 | 23/ 30 | 07/ 36 | 24/ 48 | 15/ 45 | 23/ 44 | 20/ 37 | 19/ 30 | 33/ 36 | 31/ 32 | 24/ 48 |
| 73   | 21/ 35 | 21/ 36 | 27/ 31 | 10/ 34 | 10/ 38 | 21/ 35 | 03/ 48 | 15/ 37 | 16/ 29 | 29/ 26 | 31/ 33 | 12/ 32 | 03/ 48 |
| 74   | 20/ 36 | 33/ 35 | 20/ 30 | 27/ 36 | 24/ 36 | 14/ 51 | 13/ 50 | 13/*30 | 07/ 38 | 11/ 30 | 15/ 28 | 06/ 30 | 14/*51 |
| 75   | 07/ 29 | 29/ 33 | 25/ 33 | 27/ 34 | 13/ 42 | 25/ 30 | 10/ 67 | 19/ 39 | 20/ 40 | 16/ 29 | 19/ 43 | 27/ 31 | 10/ 67 |
| 76   | 12/ 31 | 12/ 37 | 22/ 38 | 30/ 33 | 19/ 38 | 19/ 40 | 07/ 41 | 13/ 46 | 16/ 44 | 13/ 38 | 11/ 33 | 14/ 27 | 13/ 46 |
| 77   | 13/ 31 | 23/ 33 | 31/ 38 | 28/ 38 | 20/ 29 | 16/ 48 | 05/ 43 | 14/ 34 | 13/ 30 | 20/ 30 | 24/ 30 | 13/ 33 | 16/ 48 |
| 78   | 32/ 33 | 19/ 34 | 21/ 34 | 21/ 30 | 20/ 37 | 11/*38 | 25/ 36 | 02/ 38 | 12/ 42 | 06/ 33 | 19/ 40 | 12/ 35 | 12/*42 |
| 79   | 31/ 29 | 13/ 27 | 20/ 30 | 26/ 32 | 28/ 31 | 24/ 37 | 13/ 48 | 06/ 44 | 08/ 45 | 27/ 28 | 12/ 27 | 12/ 32 | 13/ 48 |
| 80   | 20/ 32 | 28/ 30 | 22/ 33 | 21/ 41 | 25/ 31 | 13/ 50 | 10/ 33 | 12/ 65 | 21/ 40 | 24/ 32 | 06/ 28 | 12/ 25 | 12/ 65 |

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: +07

PERIOD OF RECORD: 4801-5405,5601-8904  
MONTH: ALL HOURS: ALL

| YEAR | JAN    | FEB    | MAR    | APR    | MAY    | JUN    | JUL    | AUG    | SEP    | OCT    | NOV    | DEC    | ANN    |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 81   | 10/ 27 | 13/ 28 | 21/ 37 | 21/ 32 | 20/ 33 | 35/ 39 | 14/ 43 | 20/ 26 | 22/ 28 | 20/ 26 | 17/ 25 | 14/ 25 | 14/ 43 |
| 82   | 22/ 39 | 21/ 25 | 24/ 33 | 21/ 30 | 12/ 33 | 18/ 33 | 13/ 34 | 32/ 39 | 13/ 40 | 12/ 26 | 19/ 46 | 28/ 39 | 19/ 46 |
| 83   | 27/ 37 | 31/ 27 | 34/ 30 | 27/ 32 | 01/ 39 | 19/ 29 | 22/ 68 | 11/ 70 | 27/ 46 | 27/ 33 | 20/ 25 | 32/ 28 | 11/ 70 |
| 84   | 12/ 27 | 07/ 29 | 22/ 36 | 23/*38 | 11/ 47 | 20/ 37 | 03/ 50 | 13/ 39 | 12/ 30 | 25/ 37 | 12/ 29 | 28/ 29 | 03/*50 |
| 85   | 12/ 28 | 22/ 26 | 22/ 27 | 22/ 27 | 24/ 28 | 10/ 26 | 13/ 48 | 17/ 38 | 18/ 40 | 33/ 29 | 21/ 28 | 15/ 19 | 13/ 48 |
| 86   | 11/ 29 | 32/ 30 | 24/ 37 | 24/ 28 | 26/ 25 | 06/ 30 | 27/ 41 | 14/ 42 | 10/ 30 | 17/ 27 | 12/ 27 | 32/ 21 | 14/ 42 |
| 87   | 10/ 27 | 12/ 33 | 11/ 36 | 10/ 37 | 15/ 38 | 12/ 39 | 11/ 38 | 06/ 35 | 07/ 35 | 14/ 26 | 20/ 34 | 12/ 30 | 12/ 30 |
| 88   | 20/ 32 | 21/ 30 | 11/ 28 | 26/ 37 | 21/ 34 | 16/ 40 | 04/ 42 | 17/ 44 | 21/ 29 | 29/ 30 | 27/ 35 | 06/ 30 | 17/ 44 |
| 89   | 36/ 32 | 13/ 25 | 28/ 33 | 19/ 28 |        |        |        |        |        |        |        |        | 28/*33 |

|           |        |        |      |       |        |        |        |        |      |      |        |        |        |
|-----------|--------|--------|------|-------|--------|--------|--------|--------|------|------|--------|--------|--------|
| GREATEST  | WSW 41 | 20/ 50 | W 47 | SW 56 | 11/ 47 | NNW 60 | 22/ 68 | 11/ 70 | N 46 | E 49 | 19/ 46 | WSW 50 | 11/ 70 |
| TOTAL OBS | 1223   | 1113   | 1265 | 1211  | 1227   | 1162   | 1176   | 1161   | 1147 | 1166 | 1108   | 1143   | 14102  |

THE PEAK WIND OF 70 ROM 11/ OCCURRED ON 08/07/83

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH  
\$THE VALUE IS 100 OR GREATER WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY PEAK WINDS  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: +07

PERIOD OF RECORD: 4801-5405,5601-8904  
MONTH: ALL HOURS: ALL

| MONTH  | WIND SPEEDS IN KNOTS |      |       |       |       |       |       |       |       |       | GE 65 | MEAN MEDIAN |      | TOTAL<br>OBS |
|--------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|------|--------------|
|        | CALM-4               | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 |       | WIND        | WIND |              |
| JAN    | .4                   | 12.7 | 36.5  | 24.1  | 14.6  | 7.2   | 3.2   | 1.1   | .2    | .0    | .0    | 16.0        | 15.0 | 1223         |
| FEB    | .0                   | 6.4  | 33.1  | 27.0  | 19.0  | 8.0   | 4.9   | 1.3   | .4    | .1    | .0    | 17.5        | 16.0 | 1113         |
| MAR    | .1                   | 4.1  | 22.5  | 32.4  | 21.8  | 10.8  | 5.8   | 2.1   | .3    | .0    | .0    | 18.9        | 18.0 | 1265         |
| APR    | .0                   | 1.8  | 15.4  | 30.4  | 27.6  | 15.7  | 6.6   | 2.0   | .5    | .1    | .0    | 20.5        | 20.0 | 121          |
| MAY    | .0                   | .7   | 11.4  | 30.6  | 31.5  | 16.7  | 6.2   | 2.1   | .7    | .0    | .0    | 21.1        | 21.0 | 1227         |
| JUN    | .0                   | .4   | 7.6   | 30.5  | 33.5  | 14.7  | 8.1   | 3.4   | 1.5   | .3    | .0    | 22.1        | 21.0 | 1162         |
| JUL    | .0                   | .7   | 9.4   | 25.0  | 28.4  | 16.4  | 9.9   | 4.9   | 4.3   | .9    | .2    | 23.4        | 22.0 | 1176         |
| AUG    | .0                   | 2.7  | 18.6  | 30.7  | 22.5  | 11.5  | 7.1   | 4.1   | 2.3   | .3    | .2    | 20.7        | 19.0 | 1161         |
| SEP    | .0                   | 3.1  | 25.6  | 30.0  | 21.5  | 11.1  | 5.1   | 2.1   | 1.5   | .0    | .0    | 19.0        | 18.0 | 1147         |
| OCT    | .1                   | 7.8  | 31.6  | 26.8  | 19.0  | 10.0  | 3.1   | 1.4   | .3    | .0    | .0    | 17.3        | 16.0 | 1166         |
| NOV    | .0                   | 12.0 | 38.0  | 24.6  | 14.3  | 6.5   | 2.9   | 1.0   | .7    | .0    | .0    | 16.0        | 14.5 | 1108         |
| DEC    | .3                   | 17.0 | 36.9  | 21.3  | 12.9  | 7.5   | 2.5   | 1.0   | .4    | .1    | .0    | 15.6        | 14.0 | 1143         |
| ANNUAL | .1                   | 5.7  | 23.7  | 27.9  | 22.3  | 11.4  | 5.5   | 2.2   | 1.1   | .1    | .0    | 19.0        | 18.0 | 14102        |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JAN HOURS: 00-02

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | .3                   | .1   | .1    |       |       |       |       |       |       |       |       | .5         | 5.0          | 3.0            |
| 020-040                | .3                   | .1   | .1    |       |       |       |       |       |       |       |       | .5         | 5.2          | 4.0            |
| 050-070                | 1.3                  | .4   | .2    | .3    |       |       |       |       |       |       |       | 2.3        | 6.3          | 4.0            |
| (E) 080-100            | 3.1                  | 2.8  | .4    | .1    |       |       |       |       |       |       |       | 6.5        | 5.1          | 5.0            |
| 110-130                | 19.1                 | 9.8  | 2.3   | .4    | .1    |       |       |       |       |       |       | 31.7       | 4.8          | 4.0            |
| 140-160                | 25.7                 | 6.5  | .8    | .1    |       |       |       |       |       |       |       | 33.0       | 3.7          | 3.0            |
| (S) 170-190            | 3.1                  | .4   | .1    |       |       |       |       |       |       |       |       | 3.7        | 3.1          | 2.0            |
| 200-220                | 1.1                  | .5   | .1    |       |       |       |       |       |       |       |       | 1.7        | 4.2          | 3.0            |
| 230-250                | .8                   | .5   |       |       |       |       |       |       |       |       |       | 1.3        | 3.8          | 3.5            |
| (W) 260-280            | 1.3                  | .2   |       |       |       |       |       |       |       |       |       | 1.5        | 3.0          | 3.0            |
| 290-310                | .6                   | .6   | .3    |       |       |       |       |       |       |       |       | 1.6        | 5.5          | 5.0            |
| 320-340                | .3                   | .5   | .1    |       |       |       |       |       |       |       |       | 1.0        | 5.6          | 6.0            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 14.7       | ////////     |                |
| TOTALS                 | 57.0                 | 22.4 | 4.5   | .9    | .1    |       |       |       |       |       |       | 100.0      | 3.7          | 4.0            |

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JAN HOURS: 03-05

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | .1                                   | .1   |       |       |       |       |       |       |       |       |       | .2         | 4.0          | 4.0            |
| 020-040                | .2                                   | .2   | .1    | .1    |       |       |       |       |       |       |       | .6         | 7.5          | 5.5            |
| 050-070                | 1.2                                  | .8   | .4    | .1    |       |       |       |       |       |       |       | 2.5        | 6.0          | 5.0            |
| (E) 080-100            | 3.5                                  | 3.0  | .4    | .1    |       |       |       |       |       |       |       | 7.1        | 5.3          | 4.5            |
| 110-130                | 19.5                                 | 11.0 | 2.2   |       |       |       |       |       |       |       |       | 32.6       | 4.7          | 4.0            |
| 140-160                | 21.1                                 | 7.3  | .6    | .1    |       |       |       |       |       |       |       | 29.1       | 3.8          | 4.0            |
| (S) 170-190            | 4.1                                  | 1.3  | .5    |       |       |       |       |       |       |       |       | 5.9        | 4.3          | 3.0            |
| 200-220                | 1.3                                  | .1   | .1    |       |       |       |       |       |       |       |       | 1.5        | 3.5          | 2.0            |
| 230-250                | .9                                   |      |       |       |       |       |       |       |       |       |       | .9         | 2.9          | 2.5            |
| (W) 260-280            | 1.0                                  | .4   | .1    |       |       |       |       |       |       |       |       | 1.5        | 4.4          | 4.0            |
| 290-310                | .8                                   | .3   |       |       |       |       |       |       |       |       |       | 1.1        | 3.6          | 3.0            |
| 320-340                | .1                                   | .1   | .1    |       |       |       |       |       |       |       |       | .3         | 6.0          | 5.0            |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM:                  | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 16.7       | ////////     |                |
| TOTALS                 | 53.8                                 | 24.6 | 4.5   | .4    |       |       |       |       |       |       |       | 100.0      | 3.7          | 4.0            |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JAN HOURS: 06-08

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | .6                   | .2   |       |       |       |       |       |       |       |       |       | .9         | 3.1          | 2.5            |
| 020-040                | .2                   |      |       |       |       |       |       |       |       |       |       | .2         | 2.5          | 2.5            |
| 050-070                | 1.1                  | .3   | .6    |       |       |       |       |       |       |       |       | 2.0        | 5.6          | 4.0            |
| (E) 080-100            | 2.9                  | 2.9  | .5    |       |       |       |       |       |       |       |       | 6.3        | 4.9          | 5.0            |
| 110-130                | 13.4                 | 11.5 | 2.0   | .5    |       |       |       |       |       |       |       | 27.5       | 5.2          | 5.0            |
| 140-160                | 18.9                 | 11.5 | .5    | .4    |       |       |       |       |       |       |       | 31.4       | 4.3          | 4.0            |
| (S) 170-190            | 5.6                  | 1.8  | .1    | .2    |       |       |       |       |       |       |       | 7.7        | 3.9          | 3.0            |
| 200-220                | 1.1                  | .4   | .1    |       |       |       |       |       |       |       |       | 1.6        | 3.7          | 2.0            |
| 230-250                | 1.0                  | .2   |       |       |       |       |       |       |       |       |       | 1.2        | 3.1          | 3.0            |
| (W) 260-280            | .5                   | .2   |       |       |       |       |       |       |       |       |       | .8         | 3.4          | 3.0            |
| 290-310                | .6                   | .1   | .1    | .1    |       |       |       |       |       |       |       | 1.0        | 5.3          | 3.0            |
| 320-340                | .3                   | .2   | .1    |       |       |       |       |       |       |       |       | .6         | 5.5          | 5.0            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 18.7       | ////////     |                |
| TOTALS                 | 46.2                 | 29.3 | 4.0   | 1.2   |       |       |       |       |       |       |       | 100.0      | 3.8          | 4.0            |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JAN HOURS: 09-11

| DIRECTION<br>(DEGREES)           | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|----------------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                                  | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010                      | 1.0                  | .1   |       |       |       |       |       |       |       |       |       | 1.1        | 2.6          | 2.0            |
| 020-040                          | 1.2                  | .1   |       | .1    |       |       |       |       |       |       |       | 1.4        | 3.8          | 3.0            |
| 050-070                          | 2.5                  | .8   | .3    | .1    |       |       |       |       |       |       |       | 3.7        | 4.7          | 4.0            |
| (E) 080-100                      | 2.6                  | 2.5  | .6    | .1    |       |       |       |       |       |       |       | 5.8        | 5.5          | 5.0            |
| 110-130                          | 10.3                 | 9.2  | 4.2   | 1.3   | .1    | .1    |       |       |       |       |       | 25.3       | 6.5          | 6.0            |
| 140-160                          | 12.2                 | 9.9  | 1.3   | .1    | .1    |       |       |       |       |       |       | 23.5       | 4.8          | 4.0            |
| (S) 170-190                      | 5.1                  | 2.2  | .2    |       |       |       |       |       |       |       |       | 7.4        | 3.7          | 3.0            |
| 200-220                          | 2.8                  | 1.0  | 1.0   |       |       |       |       |       |       |       |       | 4.7        | 5.4          | 4.0            |
| 230-250                          | 1.3                  | .3   | .3    |       |       |       |       |       |       |       |       | 1.9        | 4.5          | 2.5            |
| (W) 260-280                      | 1.7                  | .3   |       |       |       |       |       |       |       |       |       | 2.0        | 2.9          | 2.0            |
| 290-310                          | 1.8                  | .4   |       |       |       |       |       |       |       |       |       | 2.3        | 3.1          | 3.0            |
| 320-340                          | 2.3                  | .2   |       |       |       |       |       |       |       |       |       | 2.5        | 2.7          | 3.0            |
| VARIABLE                         |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                             | //////////////////// |      |       |       |       |       |       |       |       |       |       | 18.4       | ////////     |                |
| TOTALS                           | 44.8                 | 27.0 | 7.9   | 1.7   | .2    | .1    |       |       |       |       |       | 100.0      | 4.2          | 4.0            |
| TOTAL NUMBER OF OBSERVATIONS 930 |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JAN HOURS: 12-14

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | 4.4                  | 1.0  |       |       |       |       |       |       |       |       |       | 5.4        | 3.2          | 3.0            |
| 020-040                | 2.6                  | .5   | .1    |       |       |       |       |       |       |       |       | 3.2        | 3.3          | 3.0            |
| 050-070                | 2.8                  | 1.4  | .8    | .1    |       |       |       |       |       |       |       | 5.1        | 5.4          | 4.0            |
| (E) 080-100            | 3.2                  | 1.5  | .4    |       |       |       |       |       |       |       |       | 5.2        | 4.7          | 4.0            |
| 110-130                | 3.4                  | 4.0  | 4.8   | 1.3   | .6    |       |       |       |       |       |       | 14.2       | 9.1          | 9.0            |
| 140-160                | 2.0                  | 1.4  | .9    | .2    |       |       |       |       |       |       |       | 4.5        | 6.3          | 5.5            |
| (S) 170-190            | 2.3                  | 1.4  | .8    | .3    |       |       |       |       |       |       |       | 4.7        | 6.1          | 5.0            |
| 200-220                | 1.9                  | 1.2  | 1.9   | .4    | .3    | .2    |       |       |       |       |       | 6.0        | 8.9          | 8.5            |
| 230-250                | 1.8                  | 1.1  | .6    | .3    |       |       |       |       |       |       |       | 3.9        | 6.3          | 5.0            |
| (W) 260-280            | 4.4                  | 2.7  | .6    |       |       |       |       |       |       |       |       | 7.7        | 4.9          | 4.0            |
| 290-310                | 6.6                  | 4.1  | .6    |       |       |       |       |       |       |       |       | 11.3       | 4.6          | 4.0            |
| 320-340                | 6.9                  | 3.8  | .3    |       |       |       |       |       |       |       |       | 11.0       | 4.0          | 4.0            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 17.8       | ////////     |                |
| TOTALS                 | 42.3                 | 24.1 | 11.8  | 2.6   | .9    | .2    |       |       |       |       |       | 100.0      | 4.8          | 4.0            |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JAN HOURS: 15-17

| DIRECTION<br>(DEGREES)           | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|----------------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                                  | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010                      | 2.6                                  | 1.9  | .1    |       |       |       |       |       |       |       |       | 4.6        | 4.0          | 3.0            |
| 020-040                          | 1.5                                  | .9   |       |       |       |       |       |       |       |       |       | 2.4        | 4.0          | 3.5            |
| 050-070                          | 1.8                                  | 3.0  | 1.8   | .2    |       |       |       |       |       |       |       | 6.9        | 7.3          | 7.0            |
| (E) 080-100                      | 1.5                                  | 2.0  | 1.0   | .1    |       |       |       |       |       |       |       | 4.6        | 6.6          | 6.0            |
| 110-130                          | 1.9                                  | 3.1  | 2.8   | .6    | .1    |       |       |       |       |       |       | 8.6        | 8.5          | 8.0            |
| 140-160                          | .4                                   | .3   | .1    | .1    |       |       |       |       |       |       |       | 1.0        | 6.1          | 5.0            |
| (S) 170-190                      | .3                                   | .4   | .5    |       |       |       |       |       |       |       |       | 1.3        | 8.2          | 9.0            |
| 200-220                          | .5                                   | 2.0  | 3.0   | .6    | .5    |       |       |       |       |       |       | 6.8        | 10.7         | 10.0           |
| 230-250                          | 1.2                                  | 1.2  | 1.3   | .1    |       |       |       |       |       |       |       | 3.8        | 7.7          | 8.0            |
| (W) 260-280                      | 2.5                                  | 3.2  | .3    |       |       |       |       |       |       |       |       | 6.0        | 5.2          | 5.0            |
| 290-310                          | 8.2                                  | 11.1 | 2.7   | .1    |       |       |       |       |       |       |       | 22.0       | 6.0          | 6.0            |
| 320-340                          | 8.9                                  | 10.6 | 1.4   |       |       |       |       |       |       |       |       | 21.0       | 5.2          | 5.0            |
| VARIABLE                         |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                             | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 11.1       | ////////     |                |
| TOTALS                           | 31.3                                 | 39.7 | 15.0  | 1.8   | .6    |       |       |       |       |       |       | 100.0      | 5.7          | 6.0            |
| TOTAL NUMBER OF OBSERVATIONS 930 |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JAN HOURS: 18-20

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND                     | MEDIAN<br>WIND |       |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|-------|
|                        | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 |            |                                  |                | GE 65 |
| (N) 350-010            | 1.4                                  | .1   |       |       |       |       |       |       |       |       |            | 1.5                              | 2.6            | 2.0   |
| 020-040                | 1.5                                  | .3   |       |       |       |       |       |       |       |       |            | 1.8                              | 3.2            | 3.0   |
| 050-070                | 3.1                                  | 3.4  | .5    |       |       |       |       |       |       |       |            | 7.1                              | 5.4            | 5.0   |
| (E) 080-100            | 4.1                                  | 3.2  | .3    |       |       |       |       |       |       |       |            | 7.6                              | 4.8            | 4.0   |
| 110-130                | 3.7                                  | 2.5  | 1.0   | .3    |       |       |       |       |       |       |            | 7.4                              | 5.8            | 5.0   |
| 140-160                | 3.2                                  | .2   |       |       |       |       |       |       |       |       |            | 3.4                              | 2.8            | 2.0   |
| (S) 170-190            | 1.5                                  | .3   | .3    | .4    |       |       |       |       |       |       |            | 2.6                              | 6.6            | 4.0   |
| 200-220                | 2.2                                  | .5   | .4    | .4    |       |       |       |       |       |       |            | 3.5                              | 5.9            | 3.0   |
| 230-250                | 1.0                                  | 1.7  | .4    |       |       |       |       |       |       |       |            | 3.1                              | 6.1            | 6.0   |
| (W) 260-280            | 3.2                                  | 1.3  | .8    |       |       |       |       |       |       |       |            | 5.3                              | 4.6            | 4.0   |
| 290-310                | 12.6                                 | 6.0  | 1.1   | .1    |       |       |       |       |       |       |            | 19.8                             | 4.3            | 4.0   |
| 320-340                | 9.1                                  | 2.4  | .1    | .1    |       |       |       |       |       |       |            | 11.7                             | 3.7            | 3.0   |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |            |                                  |                |       |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       | 25.1       | //////////////////////////////// |                |       |
| TOTALS                 | 46.6                                 | 21.9 | 4.9   | 1.3   |       |       |       |       |       |       |            | 100.0                            | 3.5            | 4.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JAN HOURS: 21-23

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 |            |              |                |
| (N) 350-010            | .2                                   | .1   |       |       |       |       |       |       |       |       | .3         | 3.7          | 4.0            |
| 020-040                | .2                                   | .1   | .2    |       |       |       |       |       |       |       | .5         | 6.8          | 9.0            |
| 050-070                | 1.1                                  | .6   | .4    |       |       |       |       |       |       |       | 2.2        | 5.4          | 4.5            |
| (E) 080-100            | 3.3                                  | 2.8  | .2    |       |       |       |       |       |       |       | 6.3        | 4.7          | 4.0            |
| 110-130                | 16.6                                 | 7.5  | 1.2   | .2    | .2    |       |       |       |       |       | 25.7       | 4.6          | 4.0            |
| 140-160                | 19.6                                 | 2.8  | .2    |       |       |       |       |       |       |       | 22.6       | 3.2          | 3.0            |
| (S) 170-190            | 7.4                                  | .8   | .1    |       |       |       |       |       |       |       | 8.3        | 2.8          | 2.0            |
| 200-220                | 3.5                                  | 1.0  | .2    |       |       |       |       |       |       |       | 4.7        | 3.6          | 2.0            |
| 230-250                | 1.7                                  | .3   | .4    |       |       |       |       |       |       |       | 2.5        | 4.5          | 3.0            |
| (W) 260-280            | 1.2                                  | .8   | .2    | .1    |       |       |       |       |       |       | 2.3        | 5.4          | 4.0            |
| 290-310                | 2.2                                  | .8   | .4    | .1    |       |       |       |       |       |       | 3.4        | 5.0          | 3.5            |
| 320-340                | .4                                   | .2   | .1    |       |       |       |       |       |       |       | .8         | 5.3          | 4.0            |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       | 20.4       | ////////     |                |
| TOTALS                 | 57.4                                 | 17.8 | 3.6   | .4    | .2    |       |       |       |       |       | 100.0      | 3.2          | 3.0            |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JAN HOURS: ALL

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL | MEAN     | MEDIAN |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|--------|
|                        | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |       |          |        |
| (N) 350-010            | 1.3                  | .5   | .0    |       |       |       |       |       |       |       |       | 1.8   | 3.4      | 3.0    |
| 020-040                | 1.0                  | .3   | .1    | .0    |       |       |       |       |       |       |       | 1.3   | 4.0      | 3.0    |
| 050-070                | 1.9                  | 1.3  | .6    | .1    |       |       |       |       |       |       |       | 4.0   | 5.9      | 5.0    |
| (E) 080-100            | 3.0                  | 2.6  | .5    | .1    |       |       |       |       |       |       |       | 6.2   | 5.2      | 5.0    |
| 110-130                | 11.0                 | 7.3  | 2.6   | .6    | .1    | .0    |       |       |       |       |       | 21.6  | 5.6      | 4.0    |
| 140-160                | 12.9                 | 5.0  | .6    | .1    | .0    |       |       |       |       |       |       | 18.6  | 4.0      | 4.0    |
| (S) 170-190            | 3.7                  | 1.1  | .3    | .1    |       |       |       |       |       |       |       | 5.2   | 4.2      | 3.0    |
| 200-220                | 1.8                  | .8   | .9    | .2    | .1    | .0    |       |       |       |       |       | 3.8   | 6.8      | 5.0    |
| 230-250                | 1.2                  | .7   | .4    | .1    |       |       |       |       |       |       |       | 2.3   | 5.6      | 4.0    |
| (W) 260-280            | 2.0                  | 1.1  | .3    | .0    |       |       |       |       |       |       |       | 3.4   | 4.6      | 4.0    |
| 290-310                | 4.2                  | 2.9  | .7    | .1    |       |       |       |       |       |       |       | 7.8   | 5.0      | 4.0    |
| 320-340                | 3.5                  | 2.3  | .3    | .0    |       |       |       |       |       |       |       | 6.1   | 4.5      | 4.0    |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |       |          |        |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 17.9  | //////// |        |
| TOTALS                 | 47.5                 | 25.9 | 7.3   | 1.4   | .2    |       |       |       |       |       |       | 100.0 | 4.1      | 4.0    |

TOTAL NUMBER OF OBSERVATIONS 7440



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JAN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

| DIRECTION   | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       | GE 65 | TOTAL | MEAN                             | MEDIAN |
|-------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------------------|--------|
|             | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 |       |       |                                  |        |
| (DEGREES)   |                                      |      |       |       |       |       |       |       |       |       |       | %     | WIND                             | WIND   |
| (N) 350-010 | 3.3                                  | 3.3  |       |       |       |       |       |       |       |       |       | 6.7   | 5.0                              | 5.0    |
| 020-040     |                                      | 3.3  |       |       |       |       |       |       |       |       |       | 3.3   | 6.0                              | 6.0    |
| 050-070     |                                      |      |       |       |       |       |       |       |       |       |       |       |                                  |        |
| (E) 080-100 | 6.7                                  |      |       |       |       |       |       |       |       |       |       | 6.7   | 1.5                              | 1.5    |
| 110-130     |                                      |      |       |       |       |       |       |       |       |       |       |       |                                  |        |
| 140-160     | 3.3                                  |      |       |       |       |       |       |       |       |       |       | 3.3   | 4.0                              | 4.0    |
| (S) 170-190 |                                      |      |       |       |       |       |       |       |       |       |       |       |                                  |        |
| 200-220     | 3.3                                  |      |       |       |       |       |       |       |       |       |       | 3.3   | 2.0                              | 2.0    |
| 230-250     |                                      |      |       |       |       |       |       |       |       |       |       |       |                                  |        |
| (W) 260-280 | 3.3                                  |      |       |       |       |       |       |       |       |       |       | 3.3   | 2.0                              | 2.0    |
| 290-310     | 10.0                                 | 3.3  | 3.3   |       |       |       |       |       |       |       |       | 16.7  | 6.8                              | 4.0    |
| 320-340     |                                      | 3.3  |       | 3.3   |       |       |       |       |       |       |       | 6.7   | 10.0                             | 10.0   |
|             |                                      |      |       |       |       |       |       |       |       |       |       |       |                                  |        |
| VARIABLE    |                                      |      |       |       |       |       |       |       |       |       |       |       |                                  |        |
| CALM        | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 50.0  | //////////////////////////////// |        |
| TOTALS      | 29.9                                 | 13.2 | 3.3   | 3.3   |       |       |       |       |       |       |       | 100.0 | 2.7                              | 4.0    |

TOTAL NUMBER OF OBSERVATIONS 30

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: FEB HOURS: 00-02

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | .2                   |      |       |       |       |       |       |       |       |       |       | .2         | 2.0          | 2.0            |
| 020-040                | .2                   | .4   | .1    |       |       |       |       |       |       |       |       | .7         | 5.8          | 5.5            |
| 050-070                | 1.1                  | 1.1  | .1    |       |       |       |       |       |       |       |       | 2.2        | 5.4          | 5.0            |
| (E) 080-100            | 3.2                  | 2.5  | .2    |       |       |       |       |       |       |       |       | 5.9        | 4.6          | 4.0            |
| 110-130                | 20.5                 | 9.0  | 1.2   | .1    |       |       |       |       |       |       |       | 30.7       | 4.3          | 4.0            |
| 140-160                | 24.4                 | 5.5  | .5    |       |       |       |       |       |       |       |       | 30.4       | 3.6          | 4.0            |
| (S) 170-190            | 6.7                  | .6   |       |       |       |       |       |       |       |       |       | 7.3        | 3.0          | 2.0            |
| 200-220                | 3.1                  | .9   | .8    |       |       |       |       |       |       |       |       | 4.8        | 4.9          | 3.0            |
| 230-250                | 1.6                  | .4   | .1    |       |       |       |       |       |       |       |       | 2.1        | 3.9          | 4.0            |
| (W) 260-280            | .9                   | .6   |       |       |       |       |       |       |       |       |       | 1.5        | 3.8          | 4.0            |
| 290-310                | .5                   | .8   | .2    |       |       |       |       |       |       |       |       | 1.5        | 6.3          | 6.0            |
| 320-340                | .5                   | .4   |       |       |       |       |       |       |       |       |       | .8         | 4.1          | 4.0            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 11.7       | ////////     |                |
| TOTALS                 | 62.9                 | 22.2 | 3.2   | .1    |       |       |       |       |       |       |       | 100.0      | 3.6          | 4.0            |

TOTAL NUMBER OF OBSERVATIONS 849

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: FEB HOURS: 03-05

| DIRECTION<br>(DEGREES)           | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|----------------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                                  | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010                      | .1                   |      |       |       |       |       |       |       |       |       |       | .1         | 2.0          | 2.0            |
| 020-040                          | .1                   | .4   | .1    |       |       |       |       |       |       |       |       | .6         | 7.6          | 8.0            |
| 050-070                          | .8                   | .4   | .2    |       |       |       |       |       |       |       |       | 1.4        | 5.3          | 4.0            |
| (E) 080-100                      | 2.7                  | 2.0  | .2    |       |       |       |       |       |       |       |       | 4.9        | 4.5          | 4.0            |
| 110-130                          | 22.4                 | 12.5 | 2.0   | .2    |       |       |       |       |       |       |       | 37.1       | 4.6          | 4.0            |
| 140-160                          | 23.8                 | 8.0  | .6    |       |       |       |       |       |       |       |       | 32.4       | 3.9          | 4.0            |
| (S) 170-190                      | 4.4                  | .7   |       |       |       |       |       |       |       |       |       | 5.1        | 3.1          | 3.0            |
| 200-220                          | 1.8                  | 1.2  | .8    |       |       |       |       |       |       |       |       | 3.8        | 5.7          | 5.0            |
| 230-250                          | .6                   | .1   |       |       |       |       |       |       |       |       |       | .7         | 2.8          | 2.5            |
| (W) 260-280                      | .5                   | .1   |       |       |       |       |       |       |       |       |       | .6         | 3.4          | 4.0            |
| 290-310                          | .2                   | .5   | .1    | .1    |       |       |       |       |       |       |       | .9         | 7.3          | 6.5            |
| 320-340                          | .6                   | .2   |       |       |       |       |       |       |       |       |       | .8         | 3.7          | 4.0            |
| VARIABLE                         |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                             | //////////////////// |      |       |       |       |       |       |       |       |       |       | 11.5       | ////////     |                |
| TOTALS                           | 58.0                 | 26.1 | 4.0   | .3    |       |       |       |       |       |       |       | 100.0      | 3.8          | 4.0            |
| TOTAL NUMBER OF OBSERVATIONS 849 |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: FEB HOURS: 06-08

| WIND SPEED IN KNOTS    |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| DIRECTION<br>(DEGREES) | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
| (N) 350-010            | .4                                   |      |       |       |       |       |       |       |       |       |       | .4         | 2.3          | 2.0            |
| 020-040                | .5                                   |      | .1    |       |       |       |       |       |       |       |       | .6         | 4.0          | 3.0            |
| 050-070                | 1.4                                  | .4   | .1    |       |       |       |       |       |       |       |       | 1.9        | 4.0          | 3.5            |
| (E) 080-100            | 2.6                                  | 1.9  |       |       |       |       |       |       |       |       |       | 4.5        | 4.5          | 4.0            |
| 110-130                | 17.2                                 | 13.9 | 2.7   | .1    |       |       |       |       |       |       |       | 33.9       | 5.2          | 4.0            |
| 140-160                | 19.2                                 | 12.4 | 1.2   |       |       |       |       |       |       |       |       | 32.7       | 4.6          | 4.0            |
| (S) 170-190            | 4.5                                  | 1.6  | .4    |       |       |       |       |       |       |       |       | 6.5        | 4.1          | 4.0            |
| 200-220                | 1.3                                  | .6   | .4    |       |       |       |       |       |       |       |       | 2.2        | 5.4          | 3.0            |
| 230-250                | .8                                   | .7   |       |       |       |       |       |       |       |       |       | 1.5        | 4.2          | 4.0            |
| (W) 260-280            | .9                                   |      |       |       |       |       |       |       |       |       |       | .9         | 2.9          | 3.0            |
| 290-310                | 1.1                                  |      | .1    |       |       |       |       |       |       |       |       | 1.2        | 2.8          | 2.0            |
| 320-340                | .5                                   |      |       |       |       |       |       |       |       |       |       | .5         | 2.5          | 2.5            |
|                        |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 13.2       | ////////     |                |
| TOTALS                 | 50.4                                 | 31.5 | 5.0   | .1    |       |       |       |       |       |       |       | 100.0      | 4.1          | 4.0            |

TOTAL NUMBER OF OBSERVATIONS 849

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: FEB HOURS: 09-11

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | .9                   |      |       |       |       |       |       |       |       |       |       | .9         | 2.9          | 2.5            |
| 020-040                | 1.4                  | .1   | .4    |       |       |       |       |       |       |       |       | 1.9        | 3.6          | 2.0            |
| 050-070                | 2.4                  | 1.3  | .5    |       |       |       |       |       |       |       |       | 4.1        | 4.6          | 4.0            |
| (E) 080-100            | 3.9                  | 1.5  | .2    |       | .4    |       |       |       |       |       |       | 6.0        | 5.1          | 4.0            |
| 110-130                | 8.1                  | 7.7  | 6.1   | 1.5   | .1    |       |       |       |       |       |       | 23.6       | 7.3          | 6.0            |
| 140-160                | 11.1                 | 8.0  | 2.0   |       |       |       |       |       |       |       |       | 21.1       | 4.9          | 4.0            |
| (S) 170-190            | 5.8                  | 1.9  | 1.2   |       |       |       |       |       |       |       |       | 8.8        | 4.6          | 4.0            |
| 200-220                | 2.7                  | .6   | .7    |       |       |       |       |       |       |       |       | 4.0        | 5.1          | 4.0            |
| 230-250                | 1.6                  | .7   | .1    |       |       |       |       |       |       |       |       | 2.5        | 3.7          | 3.0            |
| (W) 260-280            | 1.5                  | 1.3  | .4    |       |       |       |       |       |       |       |       | 3.2        | 5.2          | 5.0            |
| 290-310                | 2.1                  | .9   | .4    |       |       |       |       |       |       |       |       | 3.4        | 4.7          | 4.0            |
| 320-340                | 2.0                  | .4   |       |       |       |       |       |       |       |       |       | 2.4        | 3.2          | 3.0            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 18.1       | ////////     |                |
| TOTALS                 | 43.5                 | 24.4 | 12.0  | 1.5   | .5    |       |       |       |       |       |       | 100.0      | 4.5          | 4.0            |

TOTAL NUMBER OF OBSERVATIONS 849

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: FEB HOURS: 12-14

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | 4.0                  | .8   |       |       |       |       |       |       |       |       |       | 4.8        | 3.3          | 3.0            |
| 020-040                | 2.9                  | .6   |       |       |       |       |       |       |       |       |       | 3.5        | 3.3          | 3.5            |
| 050-070                | 1.4                  | .8   | .7    | .5    | .1    |       |       |       |       |       |       | 3.5        | 7.7          | 7.5            |
| (E) 080-100            | 1.6                  | 1.4  | 1.3   |       | .4    |       |       |       |       |       |       | 4.7        | 7.4          | 6.0            |
| 110-130                | 1.6                  | 3.5  | 2.9   | .8    | .2    |       |       |       |       |       |       | 9.2        | 9.0          | 8.0            |
| 140-160                | 3.4                  | 2.2  | 1.2   |       |       |       |       |       |       |       |       | 6.8        | 5.6          | 4.5            |
| (S) 170-190            | 1.8                  | 1.2  | .7    | .1    |       |       |       |       |       |       |       | 3.8        | 5.8          | 5.0            |
| 200-220                | 1.9                  | 2.4  | 1.8   | .4    |       |       |       |       |       |       |       | 6.4        | 7.4          | 7.0            |
| 230-250                | 3.2                  | 1.6  | 1.1   |       |       |       |       |       |       |       |       | 5.9        | 5.2          | 4.0            |
| (W) 260-280            | 4.2                  | 4.0  | 1.1   | .1    |       |       |       |       |       |       |       | 9.4        | 5.4          | 5.0            |
| 290-310                | 5.3                  | 5.8  | 1.9   | .4    |       |       |       |       |       |       |       | 13.3       | 5.8          | 5.0            |
| 320-340                | 5.9                  | 5.7  | .5    | .5    |       |       |       |       |       |       |       | 12.5       | 5.3          | 5.0            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 16.1       | ////////     |                |
| TOTALS                 | 37.2                 | 30.0 | 13.2  | 2.8   | .7    |       |       |       |       |       |       | 100.0      | 5.1          | 5.0            |

TOTAL NUMBER OF OBSERVATIONS 849

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: FEB HOURS: 15-17

| DIRECTION<br>(DEGREES)           | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|----------------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                                  | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010                      | 2.9                  | 2.2  |       |       |       |       |       |       |       |       |       | 5.2        | 4.3          | 4.0            |
| 020-040                          | 2.4                  | 1.5  | .1    |       |       |       |       |       |       |       |       | 4.0        | 4.4          | 4.0            |
| 050-070                          | 1.4                  | 1.8  | 1.4   | .6    |       |       |       |       |       |       |       | 5.2        | 7.8          | 7.0            |
| (E) 080-100                      | .9                   | 2.1  | .2    |       |       |       |       |       |       |       |       | 3.3        | 5.9          | 6.0            |
| 110-130                          | 1.2                  | 1.8  | .6    | .2    |       |       |       |       |       |       |       | 3.8        | 7.0          | 6.0            |
| 140-160                          | .6                   | 1.1  | .2    |       |       |       |       |       |       |       |       | 1.9        | 6.6          | 6.0            |
| (S) 170-190                      | 1.3                  | .8   | .4    |       |       |       |       |       |       |       |       | 2.5        | 5.3          | 4.0            |
| 200-220                          | .7                   | 1.5  | 1.4   | .9    |       |       |       |       |       |       |       | 4.6        | 9.6          | 10.0           |
| 230-250                          | .9                   | 2.0  | 1.5   | .2    |       |       |       |       |       |       |       | 4.7        | 7.9          | 8.0            |
| (W) 260-280                      | 2.7                  | 4.6  | 1.2   | .1    |       |       |       |       |       |       |       | 8.6        | 6.1          | 6.0            |
| 290-310                          | 6.2                  | 13.1 | 5.7   | .4    |       |       |       |       |       |       |       | 25.3       | 6.9          | 7.0            |
| 320-340                          | 7.4                  | 11.3 | 3.5   | .4    |       |       |       |       |       |       |       | 22.6       | 6.4          | 6.0            |
| VARIABLE                         |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                             | //////////////////// |      |       |       |       |       |       |       |       |       |       | 8.4        | ////////     |                |
| TOTALS                           | 28.6                 | 43.8 | 16.2  | 2.8   |       |       |       |       |       |       |       | 100.0      | 6.0          | 6.0            |
| TOTAL NUMBER OF OBSERVATIONS 849 |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: FEB HOURS: 18-20

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | 2.2                                  | .6   |       |       |       |       |       |       |       |       |       | 2.8        | 3.1          | 3.0            |
| 020-040                | .8                                   | .4   | .1    |       |       |       |       |       |       |       |       | 1.3        | 4.1          | 4.0            |
| 050-070                | 2.7                                  | 2.1  | 1.2   | .1    |       |       |       |       |       |       |       | 6.1        | 6.2          | 6.0            |
| (E) 080-100            | 1.8                                  | 1.8  | .2    |       |       |       |       |       |       |       |       | 3.8        | 5.3          | 5.0            |
| 110-130                | 2.1                                  | .9   | .5    | .1    |       |       |       |       |       |       |       | 3.7        | 5.0          | 4.0            |
| 140-160                | 2.4                                  | .1   | .2    |       |       |       |       |       |       |       |       | 2.7        | 3.6          | 3.0            |
| (S) 170-190            | 1.1                                  | .5   |       | .1    |       |       |       |       |       |       |       | 1.6        | 5.0          | 3.5            |
| 200-220                | .4                                   | 1.2  | .5    | .2    |       |       |       |       |       |       |       | 2.2        | 8.3          | 8.0            |
| 230-250                | 2.5                                  | 1.3  | .4    | .1    |       |       |       |       |       |       |       | 4.2        | 4.4          | 3.0            |
| (W) 260-280            | 4.7                                  | 3.2  | .6    |       |       |       |       |       |       |       |       | 8.5        | 4.7          | 4.0            |
| 290-310                | 15.2                                 | 11.2 | 1.8   |       |       |       |       |       |       |       |       | 28.2       | 4.7          | 4.0            |
| 320-340                | 10.4                                 | 6.6  | .9    | .1    |       |       |       |       |       |       |       | 18.0       | 4.7          | 4.0            |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 16.8       | ////////     |                |
| TOTALS                 | 46.3                                 | 29.9 | 6.4   | .7    |       |       |       |       |       |       |       | 100.0      | 4.0          | 4.0            |

TOTAL NUMBER OF OBSERVATIONS 849



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: FEB HOURS: 21-23

| DIRECTION<br>(DEGREES)           | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|----------------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                                  | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010                      | .9                   |      |       |       |       |       |       |       |       |       |       | .9         | 2.3          | 2.5            |
| 020-040                          | .8                   | .2   |       |       |       |       |       |       |       |       |       | 1.1        | 3.8          | 4.0            |
| 050-070                          | 1.1                  | .6   | .5    |       |       |       |       |       |       |       |       | 2.1        | 6.2          | 4.5            |
| (E) 080-100                      | 2.6                  | 2.2  | .6    |       |       |       |       |       |       |       |       | 5.4        | 5.5          | 5.0            |
| 110-130                          | 12.2                 | 4.7  | .2    |       |       |       |       |       |       |       |       | 17.2       | 3.9          | 4.0            |
| 140-160                          | 19.8                 | 3.4  |       |       |       |       |       |       |       |       |       | 23.2       | 3.1          | 3.0            |
| (S) 170-190                      | 8.7                  | .7   | .1    |       |       |       |       |       |       |       |       | 9.5        | 2.9          | 3.0            |
| 200-220                          | 5.2                  | .6   | .6    |       |       |       |       |       |       |       |       | 6.4        | 3.5          | 2.0            |
| 230-250                          | 2.9                  |      | .1    | .1    |       |       |       |       |       |       |       | 3.2        | 3.0          | 2.0            |
| (W) 260-280                      | 3.1                  | 1.2  |       |       |       |       |       |       |       |       |       | 4.2        | 3.2          | 3.0            |
| 290-310                          | 4.0                  | 1.4  | .7    |       |       |       |       |       |       |       |       | 6.1        | 4.2          | 3.0            |
| 320-340                          | 1.4                  | .2   | .1    |       |       |       |       |       |       |       |       | 1.8        | 3.5          | 2.0            |
| VARIABLE                         |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                             | //////////////////// |      |       |       |       |       |       |       |       |       |       | 18.8       | ////////     |                |
| TOTALS                           | 62.7                 | 15.2 | 2.9   | .1    |       |       |       |       |       |       |       | 100.0      | 2.9          | 3.0            |
| TOTAL NUMBER OF OBSERVATIONS 849 |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVISMONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: FEB HOURS: ALL

| WIND SPEED IN KNOTS               |                                      |      |       |       |       |       |       |       |       |       |       |       |            |        |
|-----------------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------|
| DIRECTION                         | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | TOTAL | MEAN       | MEDIAN |
| (DEGREES)                         |                                      |      |       |       |       |       |       |       |       |       |       | %     | WIND       | WIND   |
| (N) 350-010                       | 1.5                                  | .5   |       |       |       |       |       |       |       |       |       | 1.9   | 3.5        | 3.0    |
| 020-040                           | 1.1                                  | .4   | .1    |       |       |       |       |       |       |       |       | 1.7   | 4.1        | 4.0    |
| 050-070                           | 1.5                                  | 1.0  | .6    | .1    | .0    |       |       |       |       |       |       | 3.3   | 6.2        | 5.0    |
| (E) 080-100                       | 2.4                                  | 1.9  | .4    |       | .1    |       |       |       |       |       |       | 4.8   | 5.3        | 4.0    |
| 110-130                           | 10.7                                 | 6.7  | 2.0   | .4    | .0    |       |       |       |       |       |       | 19.9  | 5.3        | 4.0    |
| 140-160                           | 13.1                                 | 5.1  | .7    |       |       |       |       |       |       |       |       | 18.9  | 4.1        | 4.0    |
| (S) 170-190                       | 4.3                                  | 1.0  | .3    | .0    |       |       |       |       |       |       |       | 5.6   | 3.9        | 3.0    |
| 200-220                           | 2.1                                  | 1.1  | .9    | .2    |       |       |       |       |       |       |       | 4.3   | 6.1        | 5.0    |
| 230-250                           | 1.8                                  | .9   | .4    | .1    |       |       |       |       |       |       |       | 3.1   | 4.9        | 4.0    |
| (W) 260-280                       | 2.3                                  | 1.9  | .4    | .0    |       |       |       |       |       |       |       | 4.6   | 5.0        | 4.0    |
| 290-310                           | 4.3                                  | 4.2  | 1.4   | .1    |       |       |       |       |       |       |       | 10.0  | 5.6        | 5.0    |
| 320-340                           | 3.6                                  | 3.1  | .6    | .1    |       |       |       |       |       |       |       | 7.4   | 5.3        | 5.0    |
| VARIABLE                          |                                      |      |       |       |       |       |       |       |       |       |       |       |            |        |
| CALM                              | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 14.3  | ////////// |        |
| TOTALS                            | 48.7                                 | 27.8 | 7.8   | 1.0   | .1    |       |       |       |       |       |       | 100.0 | 4.2        | 4.0    |
| TOTAL NUMBER OF OBSERVATIONS 6792 |                                      |      |       |       |       |       |       |       |       |       |       |       |            |        |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: FEB HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND                     | MEDIAN<br>WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
|                        | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |                                  |                |
| (N) 350-010            | 6.7                                  | 3.3  |       |       |       |       |       |       |       |       |       | 10.0       | 2.7                              | 1.0            |
| 020-040                |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| 050-070                |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| (E) 080-100            | 6.7                                  |      |       |       |       |       |       |       |       |       |       | 6.7        | 3.0                              | 3.0            |
| 110-130                |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| 140-160                | 3.3                                  |      |       |       |       |       |       |       |       |       |       | 3.3        | 2.0                              | 2.0            |
| (S) 170-190            | 10.0                                 |      |       |       |       |       |       |       |       |       |       | 10.0       | 3.0                              | 3.0            |
| 200-220                |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| 230-250                | 6.7                                  |      |       |       |       |       |       |       |       |       |       | 6.7        | 2.0                              | 2.0            |
| (W) 260-280            | 3.3                                  | 3.3  |       | 3.3   |       |       |       |       |       |       |       | 10.0       | 8.7                              | 8.0            |
| 290-310                | 6.7                                  | 6.7  |       |       |       |       |       |       |       |       |       | 13.3       | 4.5                              | 4.5            |
| 320-340                |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 40.0       | //////////////////////////////// |                |
| TOTALS                 | 43.4                                 | 13.3 |       | 3.3   |       |       |       |       |       |       |       | 100.0      | 2.4                              | 2.5            |

TOTAL NUMBER OF OBSERVATIONS 30

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAR HOURS: 00-02

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | .3                   |      |       |       |       |       |       |       |       |       |       | .3         | 2.0          | 2.0            |
| 020-040                | .5                   |      |       |       |       |       |       |       |       |       |       | .5         | 3.2          | 3.0            |
| 050-070                | 1.0                  | .1   | .2    |       |       |       |       |       |       |       |       | 1.3        | 4.1          | 3.0            |
| (E) 080-100            | 2.0                  | 1.3  | .1    |       |       |       |       |       |       |       |       | 3.4        | 4.3          | 4.0            |
| 110-130                | 17.5                 | 6.6  | .6    | .2    | .1    |       |       |       |       |       |       | 25.1       | 4.1          | 4.0            |
| 140-160                | 23.8                 | 5.2  |       |       |       |       |       |       |       |       |       | 28.9       | 3.4          | 3.0            |
| (S) 170-190            | 10.9                 | 2.3  |       |       |       |       |       |       |       |       |       | 13.1       | 3.3          | 3.0            |
| 200-220                | 4.2                  | 1.6  | .5    |       |       |       |       |       |       |       |       | 6.3        | 4.3          | 3.0            |
| 230-250                | 1.7                  | .2   | .2    | .1    |       |       |       |       |       |       |       | 2.3        | 5.0          | 4.0            |
| (W) 260-280            | 1.0                  | .9   | .3    |       |       |       |       |       |       |       |       | 2.2        | 5.5          | 5.0            |
| 290-310                | .9                   | 1.2  | .9    |       |       |       |       |       |       |       |       | 2.9        | 6.5          | 6.0            |
| 320-340                | .9                   | .4   | .2    |       |       |       |       |       |       |       |       | 1.5        | 4.7          | 4.0            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 12.2       | ////////     |                |
| TOTALS                 | 64.7                 | 19.8 | 3.0   | .3    | .1    |       |       |       |       |       |       | 100.0      | 3.4          | 4.0            |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAR HOURS: 03-05

| DIRECTION<br>(DEGREES)           | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|----------------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                                  | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010                      | .3                   |      |       |       |       |       |       |       |       |       |       | .3         | 2.0          | 2.0            |
| 020-040                          | .1                   |      | .1    |       |       |       |       |       |       |       |       | .2         | 7.0          | 7.0            |
| 050-070                          | .8                   | .3   |       |       |       |       |       |       |       |       |       | 1.1        | 3.9          | 4.0            |
| (E) 080-100                      | 3.9                  | 1.6  | .1    |       |       |       |       |       |       |       |       | 5.6        | 4.0          | 3.5            |
| 110-130                          | 20.8                 | 8.5  | .3    | .5    | .1    |       |       |       |       |       |       | 30.2       | 4.2          | 4.0            |
| 140-160                          | 24.6                 | 9.8  |       | .1    |       |       |       |       |       |       |       | 34.5       | 3.9          | 4.0            |
| (S) 170-190                      | 4.4                  | 1.5  | .1    |       |       |       |       |       |       |       |       | 6.0        | 3.5          | 3.0            |
| 200-220                          | 2.0                  | 1.2  | .3    |       |       |       |       |       |       |       |       | 3.5        | 4.7          | 4.0            |
| 230-250                          | 1.1                  | 1.0  | .3    |       |       |       |       |       |       |       |       | 2.4        | 5.7          | 5.0            |
| (W) 260-280                      | .9                   | 1.1  | .2    |       |       |       |       |       |       |       |       | 2.2        | 5.4          | 5.0            |
| 290-310                          | 1.0                  | 1.1  | .3    |       |       |       |       |       |       |       |       | 2.4        | 5.5          | 5.5            |
| 320-340                          | .9                   | .2   | .1    | .1    |       |       |       |       |       |       |       | 1.3        | 5.0          | 3.0            |
| VARIABLE                         |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                             | //////////////////// |      |       |       |       |       |       |       |       |       |       | 10.3       | ////////     |                |
| TOTALS                           | 60.8                 | 26.3 | 1.8   | .7    | .1    |       |       |       |       |       |       | 100.0      | 3.7          | 4.0            |
| TOTAL NUMBER OF OBSERVATIONS 930 |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAR HOURS: 06-08

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | .8                   |      |       |       |       |       |       |       |       |       |       | .8         | 2.6          | 3.0            |
| 020-040                | .2                   |      | .1    |       |       |       |       |       |       |       |       | .3         | 5.0          | 3.0            |
| 050-070                | .4                   | .2   |       |       |       |       |       |       |       |       |       | .6         | 3.0          | 2.5            |
| (E) 080-100            | 2.6                  | .5   |       |       |       |       |       |       |       |       |       | 3.1        | 3.7          | 4.0            |
| 110-130                | 12.5                 | 11.1 | 1.4   | .1    | .2    |       |       |       |       |       |       | 25.3       | 5.0          | 5.0            |
| 140-160                | 21.2                 | 17.4 | .6    |       |       |       |       |       |       |       |       | 39.2       | 4.6          | 4.0            |
| (S) 170-190            | 5.7                  | 1.8  | .3    |       |       |       |       |       |       |       |       | 7.8        | 4.1          | 4.0            |
| 200-220                | 1.0                  | 1.0  | 1.2   | .1    |       |       |       |       |       |       |       | 3.2        | 7.6          | 7.0            |
| 230-250                | 1.1                  | 1.0  | .3    |       |       |       |       |       |       |       |       | 2.4        | 5.6          | 5.5            |
| (W) 260-280            | .6                   | .8   | .2    |       |       |       |       |       |       |       |       | 1.6        | 5.3          | 6.0            |
| 290-310                | 1.5                  | .4   | .2    |       |       |       |       |       |       |       |       | 2.2        | 4.8          | 4.0            |
| 320-340                | .4                   | .2   |       |       |       |       |       |       |       |       |       | .6         | 4.5          | 4.0            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 12.8       | ////////     |                |
| TOTALS                 | 48.0                 | 34.4 | 4.3   | .2    | .2    |       |       |       |       |       |       | 100.0      | 4.1          | 4.0            |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAR HOURS: 09-11

| DIRECTION<br>(DEGREES)           | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|----------------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                                  | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010                      | 1.3                                  |      |       |       |       |       |       |       |       |       |       | 1.3        | 2.3          | 2.0            |
| 020-040                          | 1.2                                  | 1.0  |       |       |       |       |       |       |       |       |       | 2.2        | 3.6          | 3.0            |
| 050-070                          | 1.5                                  | 1.4  |       |       |       |       |       |       |       |       |       | 2.9        | 4.7          | 4.0            |
| (E) 080-100                      | 2.7                                  | .9   | .2    |       |       |       |       |       |       |       |       | 3.8        | 4.0          | 3.0            |
| 110-130                          | 6.8                                  | 3.8  | 2.8   | .4    | .3    | .2    |       |       |       |       |       | 14.3       | 6.5          | 5.0            |
| 140-160                          | 8.3                                  | 6.8  | 1.3   | .1    |       |       |       |       |       |       |       | 16.5       | 5.0          | 4.0            |
| (S) 170-190                      | 6.9                                  | 3.5  | .4    | .1    |       |       |       |       |       |       |       | 11.0       | 4.5          | 4.0            |
| 200-220                          | 2.8                                  | 2.5  | 1.5   | .2    |       |       |       |       |       |       |       | 7.0        | 6.5          | 6.0            |
| 230-250                          | 3.0                                  | 1.7  | .6    | .1    |       |       |       |       |       |       |       | 5.5        | 5.3          | 4.0            |
| (W) 260-280                      | 3.3                                  | 3.3  | .8    | .2    |       |       |       |       |       |       |       | 7.6        | 5.6          | 6.0            |
| 290-310                          | 2.3                                  | 2.3  | .5    | .1    |       |       |       |       |       |       |       | 5.2        | 5.3          | 5.0            |
| 320-340                          | 2.3                                  | 1.5  | .4    |       |       |       |       |       |       |       |       | 4.2        | 5.1          | 4.0            |
| VARIABLE                         |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                             | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 18.7       | ////////     |                |
| TOTALS                           | 42.4                                 | 28.7 | 8.5   | 1.2   | .3    | .2    |       |       |       |       |       | 100.0      | 4.3          | 4.0            |
| TOTAL NUMBER OF OBSERVATIONS 930 |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAR HOURS: 12-14

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | 3.4                  | 1.6  | .1    |       |       |       |       |       |       |       |       | 5.2        | 3.5          | 3.0            |
| 020-040                | 1.9                  | .4   |       |       |       |       |       |       |       |       |       | 2.4        | 3.7          | 3.0            |
| 050-070                | 1.4                  | .8   | .1    |       |       |       |       |       |       |       |       | 2.3        | 4.3          | 4.0            |
| (E) 080-100            | 1.4                  | .5   | .2    | .1    |       |       |       |       |       |       |       | 2.3        | 5.1          | 4.0            |
| 110-130                | 1.7                  | 1.8  | 1.2   | .3    | .2    |       |       |       |       |       |       | 5.3        | 7.5          | 7.0            |
| 140-160                | 2.3                  | 1.9  | .9    | .1    |       |       |       |       |       |       |       | 5.2        | 6.1          | 6.0            |
| (S) 170-190            | 1.9                  | 1.7  | .4    |       |       |       |       |       |       |       |       | 4.1        | 5.6          | 5.0            |
| 200-220                | 1.9                  | 2.0  | 1.9   | 1.1   | .2    | .1    |       |       |       |       |       | 7.3        | 9.3          | 8.0            |
| 230-250                | 2.5                  | 3.9  | 1.9   | .9    | .2    |       |       |       |       |       |       | 9.4        | 7.9          | 7.0            |
| (W) 260-280            | 5.3                  | 6.5  | 4.0   | .3    |       |       |       |       |       |       |       | 16.0       | 6.7          | 6.0            |
| 290-310                | 6.0                  | 8.8  | 3.2   | .3    |       |       |       |       |       |       |       | 18.4       | 6.5          | 6.0            |
| 320-340                | 6.3                  | 4.6  | 1.0   | .2    |       |       |       |       |       |       |       | 12.2       | 5.1          | 4.0            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 10.2       | ////////     |                |
| TOTALS                 | 36.0                 | 34.5 | 14.9  | 3.3   | .6    | .1    |       |       |       |       |       | 100.0      | 5.7          | 6.0            |

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAR HOURS: 15-17

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | 2.3                  | 1.4  | .1    |       |       |       |       |       |       |       |       | 3.8        | 4.0          | 4.0            |
| 020-040                | 1.2                  | .2   | .2    | .1    |       |       |       |       |       |       |       | 1.7        | 4.8          | 4.0            |
| 050-070                | .9                   | .5   | .9    |       |       |       |       |       |       |       |       | 2.3        | 6.6          | 6.0            |
| (E) 080-100            | .8                   | .6   | .1    | .1    |       |       |       |       |       |       |       | 1.6        | 5.3          | 5.0            |
| 110-130                | .6                   | .6   | .8    | .3    |       |       |       |       |       |       |       | 2.4        | 8.1          | 7.5            |
| 140-160                | .5                   | .8   |       |       |       |       |       |       |       |       |       | 1.3        | 5.6          | 5.5            |
| (S) 170-190            | 1.0                  | 1.0  | .2    | .1    |       |       |       |       |       |       |       | 2.3        | 5.9          | 5.0            |
| 200-220                | 1.0                  | 1.7  | 1.8   | .5    | .9    |       |       |       |       |       |       | 5.9        | 10.4         | 10.0           |
| 230-250                | 1.7                  | 3.7  | 3.7   | .9    | .3    |       |       |       |       |       |       | 10.2       | 9.1          | 9.0            |
| (W) 260-280            | 4.4                  | 8.0  | 5.7   | .8    | .1    |       |       |       |       |       |       | 18.9       | 7.8          | 8.0            |
| 290-310                | 5.3                  | 11.7 | 5.9   | .5    |       |       |       |       |       |       |       | 23.4       | 7.4          | 7.5            |
| 320-340                | 5.4                  | 11.1 | 4.0   | .3    |       |       |       |       |       |       |       | 20.8       | 6.9          | 7.0            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 5.5        | ////////     |                |
| TOTALS                 | 25.1                 | 41.3 | 23.4  | 3.6   | 1.3   |       |       |       |       |       |       | 100.0      | 7.0          | 7.0            |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAR HOURS: 18-20

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | 2.5                  | .4   |       |       |       |       |       |       |       |       |       | 2.9        | 3.0          | 2.0            |
| 020-040                | 1.0                  |      |       |       |       |       |       |       |       |       |       | 1.0        | 2.2          | 2.0            |
| 050-070                | 1.0                  | 1.2  | .3    |       |       |       |       |       |       |       |       | 2.5        | 5.9          | 5.0            |
| (E) 080-100            | .9                   | 1.2  | .1    |       |       |       |       |       |       |       |       | 2.2        | 5.3          | 5.0            |
| 110-130                | .8                   | 1.0  | .3    | .2    |       |       |       |       |       |       |       | 2.3        | 6.6          | 5.0            |
| 140-160                | .5                   | .5   |       |       |       |       |       |       |       |       |       | 1.1        | 5.2          | 4.5            |
| (S) 170-190            | .5                   | .5   | .1    |       |       |       |       |       |       |       |       | 1.2        | 4.7          | 5.0            |
| 200-220                | 1.7                  | 2.0  | 1.8   | .8    |       |       |       |       |       |       |       | 6.3        | 8.1          | 7.0            |
| 230-250                | 2.5                  | 3.9  | 1.4   | .3    |       |       |       |       |       |       |       | 8.1        | 6.8          | 7.0            |
| (W) 260-280            | 5.7                  | 4.6  | 1.7   |       |       |       |       |       |       |       |       | 12.0       | 5.4          | 5.0            |
| 290-310                | 12.4                 | 14.9 | 4.7   | .2    |       |       |       |       |       |       |       | 32.3       | 5.8          | 5.0            |
| 320-340                | 8.0                  | 8.9  | 1.8   |       |       |       |       |       |       |       |       | 18.7       | 5.6          | 5.0            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 9.6        | ////////     |                |
| TOTALS                 | 37.5                 | 39.1 | 12.2  | 1.5   |       |       |       |       |       |       |       | 100.0      | 5.3          | 5.0            |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAR HOURS: 21-23

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | .5                   | .2   |       |       |       |       |       |       |       |       |       | .8         | 3.0          | 2.0            |
| 020-040                | 1.0                  | .1   |       |       |       |       |       |       |       |       |       | 1.1        | 2.5          | 2.0            |
| 050-070                | .8                   | .4   | .1    |       |       |       |       |       |       |       |       | 1.3        | 5.1          | 4.0            |
| (E) 080-100            | 2.3                  | .9   | .2    | .1    |       |       |       |       |       |       |       | 3.4        | 4.6          | 4.0            |
| 110-130                | 6.3                  | 1.2  | .2    | .3    |       |       |       |       |       |       |       | 8.1        | 4.3          | 3.0            |
| 140-160                | 13.5                 | 1.4  |       |       |       |       |       |       |       |       |       | 14.9       | 3.1          | 3.0            |
| (S) 170-190            | 8.3                  | 2.6  | .2    |       |       |       |       |       |       |       |       | 11.1       | 3.7          | 3.0            |
| 200-220                | 8.6                  | 2.8  | .6    |       |       |       |       |       |       |       |       | 12.0       | 3.9          | 3.0            |
| 230-250                | 4.2                  | 1.7  | .3    |       |       |       |       |       |       |       |       | 6.2        | 4.0          | 3.0            |
| (W) 260-280            | 6.8                  | 2.2  | .5    |       |       |       |       |       |       |       |       | 9.5        | 3.7          | 3.0            |
| 290-310                | 5.1                  | 2.0  | .9    |       |       |       |       |       |       |       |       | 8.0        | 4.8          | 4.0            |
| 320-340                | 1.3                  | .2   | .1    |       |       |       |       |       |       |       |       | 1.6        | 3.7          | 3.0            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 22.0       | ////////     |                |
| TOTALS                 | 58.7                 | 15.7 | 3.1   | .4    |       |       |       |       |       |       |       | 100.0      | 3.0          | 3.0            |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAR HOURS: ALL

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | 1.4                  | .5   | .0    |       |       |       |       |       |       |       |       | 1.9        | 3.3          | 3.0            |
| 020-040                | .9                   | .2   | .1    | .0    |       |       |       |       |       |       |       | 1.2        | 3.7          | 3.0            |
| 050-070                | 1.0                  | .6   | .2    |       |       |       |       |       |       |       |       | 1.8        | 5.0          | 4.0            |
| (E) 080-100            | 2.1                  | .9   | .1    | .0    |       |       |       |       |       |       |       | 3.2        | 4.4          | 4.0            |
| 110-130                | 8.4                  | 4.3  | 1.0   | .3    | .1    | .0    |       |       |       |       |       | 14.1       | 4.9          | 4.0            |
| 140-160                | 11.8                 | 5.5  | .3    | .0    |       |       |       |       |       |       |       | 17.7       | 4.1          | 4.0            |
| (S) 170-190            | 4.9                  | 1.9  | .2    | .0    |       |       |       |       |       |       |       | 7.1        | 4.0          | 4.0            |
| 200-220                | 2.9                  | 1.9  | 1.2   | .3    | .1    | .0    |       |       |       |       |       | 6.5        | 6.6          | 5.0            |
| 230-250                | 2.2                  | 2.1  | 1.1   | .3    | .1    |       |       |       |       |       |       | 5.8        | 6.8          | 6.0            |
| (W) 260-280            | 3.5                  | 3.4  | 1.7   | .2    | .0    |       |       |       |       |       |       | 8.7        | 6.2          | 6.0            |
| 290-310                | 4.3                  | 5.3  | 2.1   | .1    |       |       |       |       |       |       |       | 11.8       | 6.2          | 6.0            |
| 320-340                | 3.2                  | 3.4  | 1.0   | .1    |       |       |       |       |       |       |       | 7.6        | 5.8          | 5.0            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 12.7       | ////////     |                |
| TOTALS                 | 46.6                 | 30.0 | 9.0   | 1.3   | .3    |       |       |       |       |       |       | 100.0      | 4.6          | 4.0            |

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL | MEAN             | MEDIAN |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------------|--------|
|                        | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |       |                  |        |
| (N) 350-010            |                      |      |       |       |       |       |       |       |       |       |       |       |                  |        |
| 020-040                |                      |      |       |       |       |       |       |       |       |       |       |       |                  |        |
| 050-070                |                      |      |       |       |       |       |       |       |       |       |       |       |                  |        |
| (E) 080-100            |                      |      |       |       |       |       |       |       |       |       |       |       |                  |        |
| 110-130                |                      |      |       |       |       |       |       |       |       |       |       |       |                  |        |
| 140-160                |                      |      |       |       |       |       |       |       |       |       |       |       |                  |        |
| (S) 170-190            |                      |      |       |       |       |       |       |       |       |       |       |       |                  |        |
| 200-220                |                      |      |       |       |       |       |       |       |       |       |       |       |                  |        |
| 230-250                |                      |      |       |       |       |       |       |       |       |       |       |       |                  |        |
| (W) 260-280            | 10.0                 | 10.0 | 10.0  |       |       |       |       |       |       |       |       | 30.0  | 6.7              | 6.0    |
| 290-310                |                      | 10.0 | 10.0  | 10.0  |       |       |       |       |       |       |       | 30.0  | 11.7             | 12.0   |
| 320-340                | 10.0                 | 20.0 | 10.0  |       |       |       |       |       |       |       |       | 40.0  | 6.5              | 6.5    |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |       |                  |        |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | .0    | //////////////// |        |
| TOTALS                 | 20.0                 | 40.0 | 30.0  | 10.0  |       |       |       |       |       |       |       | 100.0 | 8.1              | 8.0    |

TOTAL NUMBER OF OBSERVATIONS 10

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: APR HOURS: 00-02

| DIRECTION<br>(DEGREES)           | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|----------------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                                  | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010                      | .2                   |      |       |       |       |       |       |       |       |       |       | .2         | 2.0          | 2.0            |
| 020-040                          | .2                   |      |       |       |       |       |       |       |       |       |       | .2         | 2.0          | 2.0            |
| 050-070                          | .8                   | .2   | .2    |       |       |       |       |       |       |       |       | 1.2        | 4.5          | 3.0            |
| (E) 080-100                      | 2.3                  | 1.6  | .2    |       |       |       |       |       |       |       |       | 4.1        | 5.0          | 4.0            |
| 110-130                          | 20.2                 | 7.8  | 1.6   | .2    |       |       |       |       |       |       |       | 29.8       | 4.4          | 4.0            |
| 140-160                          | 23.7                 | 7.2  | .9    |       |       |       |       |       |       |       |       | 31.8       | 3.8          | 4.0            |
| (S) 170-190                      | 8.3                  | 1.1  | .1    |       |       |       |       |       |       |       |       | 9.6        | 3.3          | 3.0            |
| 200-220                          | 4.2                  | 1.2  | .1    |       |       |       |       |       |       |       |       | 5.6        | 3.8          | 4.0            |
| 230-250                          | 1.3                  | .4   |       |       |       |       |       |       |       |       |       | 1.8        | 3.8          | 3.0            |
| (W) 260-280                      | 1.8                  | .9   | .2    |       |       |       |       |       |       |       |       | 2.9        | 5.0          | 4.0            |
| 290-310                          | 1.1                  | .4   | .3    |       |       |       |       |       |       |       |       | 1.9        | 4.7          | 4.0            |
| 320-340                          |                      |      | .2    |       |       |       |       |       |       |       |       | .2         | 12.0         | 12.0           |
| VARIABLE                         |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                             | //////////////////// |      |       |       |       |       |       |       |       |       |       | 10.8       | ////         | ////           |
| TOTALS                           | 64.1                 | 20.8 | 3.8   | .2    |       |       |       |       |       |       |       | 100.0      | 3.7          | 4.0            |
| TOTAL NUMBER OF OBSERVATIONS 900 |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: APR HOURS: 03-05

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | .1                   |      |       |       |       |       |       |       |       |       |       | .1         | 2.0          | 2.0            |
| 020-040                | .3                   |      |       |       |       |       |       |       |       |       |       | .3         | 3.3          | 4.0            |
| 050-070                | .7                   | .1   |       |       |       |       |       |       |       |       |       | .8         | 3.1          | 3.0            |
| (E) 080-100            | 4.0                  | 2.0  | .1    |       |       |       |       |       |       |       |       | 6.1        | 4.6          | 4.0            |
| 110-130                | 23.8                 | 11.0 | 1.3   | .3    |       |       |       |       |       |       |       | 36.4       | 4.5          | 4.0            |
| 140-160                | 22.3                 | 9.9  | .7    |       |       |       |       |       |       |       |       | 32.9       | 4.0          | 4.0            |
| (S) 170-190            | 3.6                  | 1.0  |       |       |       |       |       |       |       |       |       | 4.6        | 3.5          | 3.0            |
| 200-220                | 1.4                  | .6   | .1    |       |       |       |       |       |       |       |       | 2.1        | 4.0          | 4.0            |
| 230-250                | .6                   | .6   | .2    |       |       |       |       |       |       |       |       | 1.3        | 5.3          | 5.0            |
| (W) 260-280            | .4                   | .9   |       |       |       |       |       |       |       |       |       | 1.3        | 5.9          | 6.5            |
| 290-310                | .4                   | .4   | .3    |       |       |       |       |       |       |       |       | 1.2        | 6.3          | 7.0            |
| 320-340                | .2                   | .1   | .3    |       |       |       |       |       |       |       |       | .7         | 7.5          | 8.5            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 12.1       | ////         | ////           |
| TOTALS                 | 57.8                 | 26.6 | 3.0   | .3    |       |       |       |       |       |       |       | 100.0      | 3.8          | 4.0            |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: APR HOURS: 06-08

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65      |              |                |
| (N) 350-010            |                                      |      |       |       |       |       |       |       |       |       |            |              |                |
| 020-040                | .2                                   |      |       |       |       |       |       |       |       |       | .2         | 2.5          | 2.5            |
| 050-070                | .6                                   | .6   | .1    |       |       |       |       |       |       |       | 1.2        | 5.0          | 5.0            |
| (E) 080-100            | 2.7                                  | 2.4  | .4    |       |       |       |       |       |       |       | 5.6        | 5.0          | 5.0            |
| 110-130                | 12.7                                 | 12.1 | .6    | .4    |       |       |       |       |       |       | 25.8       | 4.9          | 5.0            |
| 140-160                | 22.7                                 | 16.9 | 1.0   | .2    |       |       |       |       |       |       | 40.8       | 4.6          | 4.0            |
| (S) 170-190            | 4.2                                  | 3.0  | .1    |       |       |       |       |       |       |       | 7.3        | 4.5          | 4.0            |
| 200-220                | 1.8                                  | .7   | .1    |       |       |       |       |       |       |       | 2.6        | 4.2          | 3.0            |
| 230-250                | .7                                   | .6   | .2    |       |       |       |       |       |       |       | 1.4        | 5.4          | 5.0            |
| (W) 260-280            | .6                                   | .3   | .1    |       |       |       |       |       |       |       | 1.0        | 5.4          | 4.0            |
| 290-310                | .7                                   | .9   |       |       |       |       |       |       |       |       | 1.6        | 5.0          | 5.0            |
| 320-340                | .7                                   | .1   | .2    |       |       |       |       |       |       |       | 1.0        | 5.4          | 4.0            |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       | 11.6       | ////////     |                |
| TOTALS                 | 47.6                                 | 37.6 | 2.8   | .6    |       |       |       |       |       |       | 100.0      | 4.2          | 4.0            |

TOTAL NUMBER OF OBSERVATIONS 900



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: APR HOURS: 09-11

| DIRECTION<br>(DEGREES)           | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|----------------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                                  | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010                      | 1.6                                  |      |       |       |       |       |       |       |       |       |       | 1.6        | 2.6          | 2.5            |
| 020-040                          | 1.9                                  | .6   |       |       |       |       |       |       |       |       |       | 2.4        | 3.1          | 2.5            |
| 050-070                          | 1.7                                  | 1.0  | .7    | .3    |       |       |       |       |       |       |       | 3.7        | 6.3          | 5.0            |
| (E) 080-100                      | 4.3                                  | 1.7  | .6    | .1    |       |       |       |       |       |       |       | 6.7        | 4.6          | 4.0            |
| 110-130                          | 5.3                                  | 2.6  | 2.2   | 1.2   |       |       |       |       |       |       |       | 11.3       | 6.9          | 5.0            |
| 140-160                          | 7.8                                  | 4.0  | .9    | .2    |       |       |       |       |       |       |       | 12.9       | 4.6          | 4.0            |
| (S) 170-190                      | 6.9                                  | 3.7  | 1.4   | .3    |       |       |       |       |       |       |       | 12.3       | 5.2          | 4.0            |
| 200-220                          | 3.4                                  | 3.7  | 2.0   | .7    |       |       |       |       |       |       |       | 9.8        | 6.9          | 7.0            |
| 230-250                          | 3.2                                  | 2.2  | .9    | .1    | .1    |       |       |       |       |       |       | 6.6        | 5.6          | 5.0            |
| (W) 260-28                       | 2.2                                  | 1.4  | .7    |       |       |       |       |       |       |       |       | 4.3        | 5.4          | 4.0            |
| 290-310                          | 3.6                                  | 1.3  | .1    |       |       |       |       |       |       |       |       | 5.0        | 4.0          | 4.0            |
| 320-340                          | 2.1                                  | 1.8  | .1    |       |       |       |       |       |       |       |       | 4.0        | 4.3          | 3.5            |
| VARIABLE                         |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                             | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 19.4       | ////////     |                |
| TOTALS                           | 44.0                                 | 24.0 | 9.6   | 2.9   | .1    |       |       |       |       |       |       | 100.0      | 4.3          | 4.0            |
| TOTAL NUMBER OF OBSERVATIONS 900 |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: APR HOURS: 12-14

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | 2.4                  | 2.0  |       |       |       |       |       |       |       |       |       | 4.4        | 4.5          | 4.0            |
| 020-040                | 1.7                  | 1.6  | .1    |       |       |       |       |       |       |       |       | 3.3        | 4.7          | 4.5            |
| 050-070                | 2.2                  | .7   | .3    | .1    |       |       |       |       |       |       |       | 3.3        | 5.0          | 4.0            |
| (E) 080-100            | 1.0                  | 1.3  | .8    | .2    |       |       |       |       |       |       |       | 3.3        | 7.4          | 6.5            |
| 110-130                | 1.6                  | 1.8  | 1.6   | .8    |       |       |       |       |       |       |       | 5.7        | 8.4          | 7.0            |
| 140-160                | 1.3                  | 1.2  | .4    | .2    |       |       |       |       |       |       |       | 3.2        | 6.3          | 5.0            |
| (S) 170-190            | 1.6                  | 2.3  | 1.6   | .2    |       |       |       |       |       |       |       | 5.7        | 7.5          | 7.0            |
| 200-220                | 2.2                  | 4.8  | 3.1   | 1.2   | .6    |       |       |       |       |       |       | 11.9       | 9.0          | 8.0            |
| 230-250                | 3.2                  | 6.3  | 4.0   | .3    | .2    |       |       |       |       |       |       | 14.1       | 7.6          | 7.0            |
| (W) 260-280            | 4.2                  | 7.2  | 3.1   | .1    |       |       |       |       |       |       |       | 14.7       | 6.6          | 6.0            |
| 290-310                | 4.8                  | 6.1  | 2.1   |       |       |       |       |       |       |       |       | 13.0       | 6.0          | 5.0            |
| 320-340                | 4.3                  | 3.9  | .7    |       |       |       |       |       |       |       |       | 8.9        | 5.1          | 5.0            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 8.4        | ////////     |                |
| TOTALS                 | 30.5                 | 39.2 | 17.8  | 3.1   | .8    |       |       |       |       |       |       | 100.0      | 6.2          | 6.0            |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: APR HOURS: 15-17

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | 2.8                  | 1.2  | .1    |       |       |       |       |       |       |       |       | 4.1        | 3.8          | 3.0            |
| 020-040                | 1.7                  | .9   |       |       |       |       |       |       |       |       |       | 2.6        | 3.9          | 4.0            |
| 050-070                | .6                   | 1.8  | .8    |       |       |       |       |       |       |       |       | 3.1        | 7.2          | 6.5            |
| (E) 080-100            | .6                   | 1.0  | .2    | .1    |       |       |       |       |       |       |       | 1.9        | 6.6          | 6.0            |
| 110-130                | .2                   | .3   | 1.4   | .4    |       |       |       |       |       |       |       | 2.4        | 11.0         | 11.0           |
| 140-160                | .6                   | .6   | .6    | .2    | .1    |       |       |       |       |       |       | 2.0        | 8.4          | 7.5            |
| (S) 170-190            | .4                   | 1.3  | 1.3   | .1    |       |       |       |       |       |       |       | 3.2        | 9.0          | 9.0            |
| 200-220                | 1.1                  | 2.8  | 4.8   | 1.8   | .2    | .1    | .1    |       |       |       |       | 10.9       | 10.7         | 10.0           |
| 230-250                | 1.4                  | 5.9  | 6.1   | .8    | .2    |       |       |       |       |       |       | 14.5       | 9.1          | 9.0            |
| (W) 260-280            | 3.3                  | 9.3  | 4.6   | .3    | .1    |       | .1    |       |       |       |       | 17.8       | 7.8          | 8.0            |
| 290-310                | 5.2                  | 11.5 | 5.1   | .1    |       |       |       |       |       |       |       | 21.9       | 7.1          | 7.0            |
| 320-340                | 2.9                  | 6.8  | 2.1   | .1    |       |       |       |       |       |       |       | 11.9       | 6.7          | 6.0            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 3.7        | ////////     |                |
| TOTALS                 | 20.8                 | 43.4 | 27.1  | 3.9   | .6    | .1    | .2    |       |       |       |       | 100.0      | 7.6          | 8.0            |

TOTAL NUMBER OF OBSERVATIONS 899

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: APR HOURS: 18-20

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | 1.2                  | .6   | .4    |       |       |       |       |       |       |       |       | 2.2        | 4.8          | 4.0            |
| 020-040                | 1.2                  | .8   | .2    |       |       |       |       |       |       |       |       | 2.2        | 4.8          | 3.5            |
| 050-070                | .7                   | 1.2  | .7    |       |       |       |       |       |       |       |       | 2.6        | 6.7          | 6.0            |
| (E) 080-100            | 2.3                  | 1.8  | .4    |       |       |       |       |       |       |       |       | 4.6        | 5.4          | 4.0            |
| 110-130                | .6                   | .8   | 1.2   | .2    |       |       |       |       |       |       |       | 2.8        | 8.8          | 10.0           |
| 140-160                | .1                   | .7   | .2    | .1    |       |       |       |       |       |       |       | 1.1        | 8.4          | 8.0            |
| (S) 170-190            | .6                   | 1.3  | .4    | .1    |       |       |       |       |       |       |       | 2.5        | 7.2          | 8.0            |
| 200-220                | 1.3                  | 3.0  | 1.7   | .3    |       |       |       |       |       |       |       | 6.4        | 7.6          | 8.0            |
| 230-250                | 4.3                  | 6.4  | 3.0   | .6    | .1    |       |       |       |       |       |       | 14.4       | 6.9          | 6.0            |
| (W) 260-280            | 4.2                  | 9.5  | 2.0   | .1    |       |       |       |       |       |       |       | 15.8       | 6.2          | 6.0            |
| 290-310                | 9.4                  | 9.9  | 2.7   | .7    |       |       |       |       |       |       |       | 22.6       | 5.9          | 5.0            |
| 320-340                | 5.0                  | 10.0 | 2.3   | .1    |       |       |       |       |       |       |       | 17.5       | 6.3          | 6.0            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 5.4        | ////////     |                |
| TOTALS                 | 30.9                 | 46.0 | 15.2  | 2.2   | .1    |       |       |       |       |       |       | 100.0      | 6.1          | 6.0            |

TOTAL NUMBER OF OBSERVATIONS 897

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: APR HOURS: 21-23

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | .4                   |      |       |       |       |       |       |       |       |       |       | .4         | 3.0          | 3.0            |
| 020-040                | .4                   | .3   |       |       |       |       |       |       |       |       |       | .8         | 3.7          | 3.0            |
| 050-070                | 1.7                  | .6   |       | .1    |       |       |       |       |       |       |       | 2.3        | 4.2          | 3.0            |
| (E) 080-100            | 2.0                  | 1.3  | .3    | .1    | .2    |       |       |       |       |       |       | 4.0        | 6.1          | 4.5            |
| 110-130                | 5.4                  | 3.0  | 1.0   | .2    | .1    |       |       |       |       |       |       | 9.7        | 5.3          | 4.0            |
| 140-160                | 11.1                 | 1.7  | .1    | .2    |       |       |       |       |       |       |       | 13.2       | 3.6          | 3.0            |
| (S) 170-190            | 7.6                  | 1.2  | .2    |       |       | .1    |       |       |       |       |       | 9.1        | 3.5          | 3.0            |
| 200-220                | 6.1                  | 1.8  | .1    |       |       |       |       |       |       |       |       | 8.0        | 3.5          | 3.0            |
| 230-250                | 6.6                  | 1.8  | .7    |       |       |       |       |       |       |       |       | 9.0        | 3.9          | 3.0            |
| (W) 260-280            | 7.6                  | 3.8  | .4    |       |       |       |       |       |       |       |       | 11.8       | 4.1          | 4.0            |
| 290-310                | 6.7                  | 3.3  | .1    |       |       |       |       |       |       |       |       | 10.1       | 4.0          | 4.0            |
| 320-340                | 1.8                  | .6   | .1    |       |       |       |       |       |       |       |       | 2.5        | 4.0          | 3.0            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 19.0       | ////////     |                |
| TOTALS                 | 57.4                 | 19.4 | 3.0   | .6    | .3    | .1    |       |       |       |       |       | 100.0      | 3.3          | 3.0            |

TOTAL NUMBER OF OBSERVATIONS 897

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: APR HOURS: ALL

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|----------------|
|                        | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |       |              |                |
| (N) 350-010            | 1.1                  | .5   | .1    |       |       |       |       |       |       |       |       | 1.6   | 4.0          | 3.0            |
| 020-040                | 1.0                  | .5   | .0    |       |       |       |       |       |       |       |       | 1.5   | 4.0          | 4.0            |
| 050-070                | 1.1                  | .8   | .3    | .1    |       |       |       |       |       |       |       | 2.3   | 5.7          | 5.0            |
| (E) 080-100            | 2.4                  | 1.6  | .4    | .1    | .0    |       |       |       |       |       |       | 4.5   | 5.3          | 4.0            |
| 110-130                | 8.7                  | 4.9  | 1.4   | .5    | .0    |       |       |       |       |       |       | 15.5  | 5.3          | 4.0            |
| 140-160                | 11.2                 | 5.3  | .6    | .2    | .0    |       |       |       |       |       |       | 17.2  | 4.3          | 4.0            |
| (S) 170-190            | 4.1                  | 1.9  | .7    | .1    |       | .0    |       |       |       |       |       | 6.8   | 4.9          | 4.0            |
| 200-220                | 2.7                  | 2.3  | 1.5   | .5    | .1    | .0    | .0    |       |       |       |       | 7.1   | 7.1          | 6.0            |
| 230-250                | 2.7                  | 3.0  | 1.9   | .2    | .1    |       |       |       |       |       |       | 7.9   | 6.8          | 6.0            |
| (W) 260-280            | 3.0                  | 4.2  | 1.4   | .1    | .0    |       | .0    |       |       |       |       | 8.7   | 6.2          | 6.0            |
| 290-310                | 4.0                  | 4.2  | 1.3   | .1    |       |       |       |       |       |       |       | 9.7   | 5.8          | 5.0            |
| 320-340                | 2.1                  | 2.9  | .8    | .0    |       |       |       |       |       |       |       | 5.8   | 5.9          | 6.0            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |       |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 11.3  | ////////     |                |
| TOTALS                 | 44.1                 | 32.1 | 10.4  | 1.9   | .2    |       |       |       |       |       |       | 100.0 | 4.9          | 5.0            |

TOTAL NUMBER OF OBSERVATIONS 7193

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: APR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

| DIRECTION  <br>(DEGREES) | WIND SPEED IN KNOTS  |     |       |       |       |       |       |       |       |       |       | TOTAL | MEAN | MEDIAN |
|--------------------------|----------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|--------|
|                          | 1-4                  | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |       |      |        |
| (N) 350-010              |                      |     |       |       |       |       |       |       |       |       |       |       |      |        |
| 020-040                  |                      |     |       |       |       |       |       |       |       |       |       |       |      |        |
| 050-070                  |                      |     |       |       |       |       |       |       |       |       |       |       |      |        |
| (E) 080-100              |                      |     |       |       |       |       |       |       |       |       |       |       |      |        |
| 110-130                  |                      |     |       |       |       |       |       |       |       |       |       |       |      |        |
| 140-160                  |                      |     |       |       |       |       |       |       |       |       |       |       |      |        |
| (S) 170-190              |                      |     |       |       |       |       |       |       |       |       |       |       |      |        |
| 200-220                  |                      |     |       |       |       |       |       |       |       |       |       |       |      |        |
| 230-250                  |                      |     |       |       |       |       |       |       |       |       |       |       |      |        |
| (W) 260-280              |                      |     |       |       |       |       |       |       |       |       |       |       |      |        |
| 290-310                  |                      |     |       |       |       |       |       |       |       |       |       |       |      |        |
| 320-340                  |                      |     |       |       |       |       |       |       |       |       |       |       |      |        |
| VARIABLE                 |                      |     |       |       |       |       |       |       |       |       |       |       |      |        |
| CALM                     | //////////////////// |     |       |       |       |       |       |       |       |       |       | 100.0 | //// | ////   |
| TOTALS                   |                      |     |       |       |       |       |       |       |       |       |       |       | .0   | .0     |

TOTAL NUMBER OF OBSERVATIONS 1

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAY HOURS: 00-02

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | .3                                   | .1   |       |       |       |       |       |       |       |       |       | .4         | 3.3          | 2.5            |
| 020-040                | .3                                   | .1   | .1    | .1    |       |       |       |       |       |       |       | .6         | 6.2          | 4.5            |
| 050-070                | 1.1                                  | .1   |       |       |       |       |       |       |       |       |       | 1.2        | 3.4          | 4.0            |
| (E) 080-100            | 2.5                                  | 1.3  | .3    |       |       |       |       |       |       |       |       | 4.1        | 4.8          | 4.0            |
| 110-130                | 16.2                                 | 3.5  | .4    |       |       |       |       |       |       |       |       | 20.2       | 3.6          | 3.5            |
| 140-160                | 27.0                                 | 3.4  | .2    |       |       |       |       |       |       |       |       | 30.6       | 3.2          | 3.0            |
| (S) 170-190            | 9.9                                  | 2.2  | .1    |       |       |       |       |       |       |       |       | 12.2       | 3.4          | 3.0            |
| 200-220                | 5.5                                  | 1.1  | .1    |       |       |       |       |       |       |       |       | 6.7        | 3.1          | 2.0            |
| 230-250                | 2.5                                  | .5   |       |       |       |       |       |       |       |       |       | 3.0        | 3.1          | 3.0            |
| (W) 260-280            | 2.8                                  | .6   |       |       |       |       |       |       |       |       |       | 3.4        | 3.1          | 3.0            |
| 290-310                | 1.1                                  | .4   | .2    |       |       |       |       |       |       |       |       | 1.7        | 4.4          | 2.0            |
| 320-340                | .8                                   | .4   |       |       |       |       |       |       |       |       |       | 1.2        | 4.4          | 4.0            |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 14.6       | ////////     |                |
| TOTALS                 | 70.0                                 | 13.7 | 1.4   | .1    |       |       |       |       |       |       |       | 100.0      | 3.0          | 3.0            |

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAY HOURS: 03-05

| DIRECTION<br>(DEGREES)           | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|----------------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                                  | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010                      |                                      |      | .1    |       |       |       |       |       |       |       |       | .1         | 10.0         | 10.0           |
| 020-040                          | .2                                   | .1   |       |       |       |       |       |       |       |       |       | .3         | 4.0          | 4.0            |
| 050-070                          | .4                                   | .1   |       |       |       |       |       |       |       |       |       | .5         | 3.4          | 2.0            |
| (E) 080-100                      | 4.7                                  | 1.8  | .2    | .1    |       |       |       |       |       |       |       | 6.9        | 4.2          | 4.0            |
| 110-130                          | 22.6                                 | 7.2  | .2    | .1    |       |       |       |       |       |       |       | 30.1       | 3.8          | 4.0            |
| 140-160                          | 30.9                                 | 7.4  | .3    |       |       |       |       |       |       |       |       | 38.6       | 3.6          | 4.0            |
| (S) 170-190                      | 4.0                                  | .4   |       |       |       |       |       |       |       |       |       | 4.4        | 3.0          | 3.0            |
| 200-220                          | 1.6                                  | .5   |       |       |       |       |       |       |       |       |       | 2.2        | 3.7          | 3.5            |
| 230-250                          | 1.1                                  | .1   | .1    |       |       |       |       |       |       |       |       | 1.3        | 3.3          | 3.0            |
| (W) 260-280                      | 1.7                                  |      |       |       |       |       |       |       |       |       |       | 1.7        | 2.8          | 3.0            |
| 290-310                          | .4                                   | .9   | .1    |       |       |       |       |       |       |       |       | 1.4        | 5.1          | 5.0            |
| 320-340                          | .1                                   |      | .1    |       |       |       |       |       |       |       |       | .2         | 7.5          | 7.5            |
| VARIABLE                         |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                             | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 12.3       | ////////     |                |
| TOTALS                           | 67.7                                 | 18.5 | 1.1   | .2    |       |       |       |       |       |       |       | 100.0      | 3.3          | 4.0            |
| TOTAL NUMBER OF OBSERVATIONS 930 |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-ONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAY HOURS: 06-08

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | .2                   |      |       |       |       |       |       |       |       |       |       | .2         | 2.0          | 2.0            |
| 020-040                | .5                   |      |       |       |       |       |       |       |       |       |       | .5         | 2.6          | 2.0            |
| 050-070                | .8                   | .3   | .2    |       |       |       |       |       |       |       |       | 1.3        | 5.1          | 4.0            |
| (E) 080-100            | 2.2                  | 1.3  | .2    |       |       |       |       |       |       |       |       | 3.7        | 4.8          | 4.0            |
| 110-130                | 15.2                 | 9.7  | 1.0   | .1    |       |       |       |       |       |       |       | 25.9       | 4.6          | 4.0            |
| 140-160                | 21.6                 | 16.8 | .6    |       |       |       |       |       |       |       |       | 39.0       | 4.5          | 4.0            |
| (S) 170-190            | 8.3                  | 3.4  |       |       |       |       |       |       |       |       |       | 11.7       | 3.7          | 4.0            |
| 200-220                | 2.5                  | .5   | .3    |       |       |       |       |       |       |       |       | 3.3        | 4.0          | 4.0            |
| 230-250                | .8                   |      |       |       |       |       |       |       |       |       |       | .8         | 2.4          | 2.0            |
| (W) 260-280            | .4                   | .6   | .1    |       |       |       |       |       |       |       |       | 1.2        | 5.1          | 5.0            |
| 290-310                | .6                   | .8   | .2    |       |       |       |       |       |       |       |       | 1.6        | 6.1          | 6.0            |
| 320-340                | .2                   | .5   | .1    |       |       |       |       |       |       |       |       | .9         | 5.8          | 6.0            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 9.9        | ////////     |                |
| TOTALS                 | 53.3                 | 33.9 | 2.7   | .1    |       |       |       |       |       |       |       | 100.0      | 4.0          | 4.0            |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAY HOURS: 09-11

| DIRECTION<br>(DEGREES)           | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND                     | MEDIAN<br>WIND |       |
|----------------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|-------|
|                                  | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 |            |                                  |                | GE 65 |
| (N) 350-010                      | 2.3                                  | .6   | .1    |       |       |       |       |       |       |       |            | 3.0                              | 3.3            | 2.5   |
| 020-040                          | 2.7                                  | .3   |       |       |       |       |       |       |       |       |            | 3.0                              | 2.9            | 2.0   |
| 050-070                          | 2.8                                  | .6   | .2    |       |       |       |       |       |       |       |            | 3.7                              | 3.6            | 2.0   |
| (E) 080-100                      | 3.2                                  | 1.2  | .2    |       |       |       |       |       |       |       |            | 4.6                              | 4.0            | 4.0   |
| 110-130                          | 4.7                                  | 3.5  | 2.7   | 1.2   | .1    |       |       |       |       |       |            | 12.3                             | 7.3            | 6.0   |
| 140-160                          | 5.7                                  | 2.7  | .8    |       |       |       |       |       |       |       |            | 9.1                              | 4.4            | 4.0   |
| (S) 170-190                      | 4.9                                  | 4.3  | 1.0   |       |       |       |       |       |       |       |            | 10.2                             | 5.3            | 5.0   |
| 200-220                          | 5.2                                  | 5.5  | 1.9   | .3    |       |       |       |       |       |       |            | 12.9                             | 6.0            | 6.0   |
| 230-250                          | 3.3                                  | 2.9  | .3    | .1    |       |       |       |       |       |       |            | 6.7                              | 4.9            | 4.5   |
| (W) 260-280                      | 3.2                                  | 2.6  |       |       |       |       |       |       |       |       |            | 5.8                              | 4.3            | 4.0   |
| 290-310                          | 3.5                                  | 3.3  | .2    |       |       |       |       |       |       |       |            | 7.1                              | 4.6            | 4.5   |
| 320-340                          | 3.3                                  | 1.9  | .2    |       |       |       |       |       |       |       |            | 5.5                              | 4.3            | 4.0   |
| VARIABLE                         |                                      |      |       |       |       |       |       |       |       |       |            |                                  |                |       |
| CALM                             | //////////////////////////////////// |      |       |       |       |       |       |       |       |       | 16.1       | //////////////////////////////// |                |       |
| TOTALS                           | 44.8                                 | 29.4 | 7.6   | 1.6   | .1    |       |       |       |       |       |            | 100.0                            | 4.2            | 4.0   |
| TOTAL NUMBER OF OBSERVATIONS 930 |                                      |      |       |       |       |       |       |       |       |       |            |                                  |                |       |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAY HOURS: 12-14

| DIRECTION<br>(DEGREES)           | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|----------------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                                  | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010                      | 2.3                  | 1.0  | .2    |       |       |       |       |       |       |       |       | 3.4        | 4.5          | 4.0            |
| 020-040                          | 1.3                  | .6   | .2    |       |       |       |       |       |       |       |       | 2.2        | 4.8          | 4.0            |
| 050-070                          | 1.7                  | 1.2  | .8    | .1    |       |       |       |       |       |       |       | 3.8        | 5.7          | 5.0            |
| (E) 080-100                      | 1.5                  | .8   | .9    |       |       |       |       |       |       |       |       | 3.1        | 6.0          | 5.0            |
| 110-130                          | 1.7                  | 1.2  | 1.4   | .2    |       |       |       |       |       |       |       | 4.5        | 7.1          | 6.0            |
| 140-160                          | 1.5                  | 1.8  | .8    |       |       |       |       |       |       |       |       | 4.1        | 6.2          | 6.5            |
| (S) 170-190                      | 1.8                  | 1.9  | 1.9   | .1    |       |       |       |       |       |       |       | 5.8        | 7.1          | 7.0            |
| 200-220                          | 3.0                  | 5.7  | 4.5   | 1.4   | .1    |       |       |       |       |       |       | 14.7       | 8.7          | 8.0            |
| 230-250                          | 4.1                  | 7.4  | 2.7   | .6    |       |       |       |       |       |       |       | 14.8       | 7.1          | 7.0            |
| (W) 260-280                      | 3.4                  | 7.5  | 1.4   | .1    |       |       |       |       |       |       |       | 12.5       | 6.3          | 6.0            |
| 290-310                          | 5.6                  | 7.0  | 1.7   |       |       |       |       |       |       |       |       | 14.3       | 6.0          | 6.0            |
| 320-340                          | 2.9                  | 6.5  | 1.0   | .1    |       |       |       |       |       |       |       | 10.4       | 6.0          | 6.0            |
| VARIABLE                         |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                             | //////////////////// |      |       |       |       |       |       |       |       |       |       | 6.3        | ////////     |                |
| TOTALS                           | 30.8                 | 42.6 | 17.5  | 2.6   | .1    |       |       |       |       |       |       | 100.0      | 6.2          | 6.0            |
| TOTAL NUMBER OF OBSERVATIONS 930 |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAY HOURS: 15-17

| DIRECTION<br>(DEGREES)           | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|----------------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                                  | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010                      | 1.1                  | 1.6  | .2    | .1    |       |       |       |       |       |       |       | 3.0        | 5.6          | 5.0            |
| 020-040                          | 1.0                  | .8   | .4    | .1    | .1    |       |       |       |       |       |       | 2.4        | 7.1          | 5.0            |
| 050-070                          | 1.1                  | .8   | .1    | .1    |       |       |       |       |       |       |       | 2.0        | 5.2          | 4.0            |
| (E) 080-100                      | .5                   | .6   | 1.1   |       |       |       | .1    |       |       |       |       | 2.4        | 8.8          | 9.5            |
| 110-130                          | .5                   | .5   | .5    | .1    |       |       |       |       |       |       |       | 1.7        | 7.6          | 8.0            |
| 140-160                          | .6                   | 1.0  | .5    | .1    |       |       |       |       |       |       |       | 2.3        | 6.9          | 6.0            |
| (S) 170-190                      | 1.0                  | 1.8  | 1.2   | .1    | .1    |       |       |       |       |       |       | 4.2        | 7.5          | 6.0            |
| 200-220                          | 1.4                  | 4.4  | 5.6   | 1.6   |       |       |       |       |       |       |       | 13.0       | 9.7          | 10.0           |
| 230-250                          | 3.7                  | 8.8  | 6.9   | 1.4   |       |       |       |       |       |       |       | 20.8       | 8.4          | 8.0            |
| (W) 260-280                      | 3.3                  | 10.4 | 4.8   | .3    |       |       |       |       |       |       |       | 18.9       | 7.5          | 8.0            |
| 290-310                          | 3.2                  | 9.0  | 4.2   | .1    |       |       |       |       |       |       |       | 16.6       | 7.2          | 7.0            |
| 320-340                          | 1.5                  | 7.0  | 1.8   |       |       |       |       |       |       |       |       | 10.3       | 7.0          | 7.0            |
| VARIABLE                         |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                             | //////////////////// |      |       |       |       |       |       |       |       |       |       | 2.5        | ////////     |                |
| TOTALS                           | 18.9                 | 46.7 | 27.3  | 4.0   | .2    |       | .1    |       |       |       |       | 100.0      | 7.6          | 8.0            |
| TOTAL NUMBER OF OBSERVATIONS 930 |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAY HOURS: 18-20

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND                     | MEDIAN<br>IND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|---------------|
|                        | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |                                  |               |
| (N) 350-010            | 1.2                                  | .8   |       |       |       |       |       |       |       |       |       | 1.9        | 4.3                              | 4.0           |
| 020-040                | .8                                   | .2   | .2    | .1    |       |       |       |       |       |       |       | 1.3        | 6.0                              | 4.0           |
| 050-070                | 1.0                                  | 1.0  | .6    |       |       |       |       |       |       |       |       | 2.6        | 6.5                              | 6.0           |
| (E) 080-100            | .3                                   | 1.1  | .4    |       |       |       |       |       |       |       |       | 1.8        | 6.8                              | 7.0           |
| 110-130                | .6                                   | .4   | .3    |       |       |       |       |       |       |       |       | 1.4        | 6.1                              | 6.0           |
| 140-160                | .8                                   | 1.1  | .4    |       |       |       |       |       |       |       |       | 2.3        | 6.3                              | 6.0           |
| (S) 170-190            | .8                                   | .6   | .4    |       |       |       |       |       |       |       |       | 1.8        | 6.1                              | 6.0           |
| 200-220                | 2.8                                  | 4.4  | 2.2   | .5    |       |       |       |       |       |       |       | 9.9        | 7.5                              | 7.0           |
| 230-250                | 5.5                                  | 9.7  | 5.3   | .4    | .1    |       |       |       |       |       |       | 21.0       | 7.2                              | 7.0           |
| (W) 260-280            | 5.3                                  | 9.8  | 3.5   | .1    |       |       |       |       |       |       |       | 18.7       | 6.4                              | 6.0           |
| 290-310                | 6.6                                  | 9.6  | 2.0   |       |       |       |       |       |       |       |       | 18.2       | 5.9                              | 6.0           |
| 320-340                | 3.0                                  | 9.7  | 2.2   | .1    |       |       |       |       |       |       |       | 14.9       | 6.7                              | 7.0           |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |               |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 4.2        | //////////////////////////////// |               |
| TOTALS                 | 28.7                                 | 48.4 | 17.5  | 1.2   | .1    |       |       |       |       |       |       | 100.0      | 6.3                              | 6.0           |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAY HOURS: 21-23

| DIRECTION<br>(DEGREES)           | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|----------------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                                  | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010                      | .9                                   |      | .1    |       |       |       |       |       |       |       |       | 1.0        | 2.9          | 2.0            |
| 020-040                          | 1.1                                  |      |       |       |       |       |       |       |       |       |       | 1.1        | 2.5          | 3.0            |
| 050-070                          | 1.0                                  | .8   | .1    | .3    |       |       |       |       |       |       |       | 2.2        | 6.6          | 5.5            |
| (E) 080-100                      | 1.6                                  | 1.1  | .1    |       |       |       |       |       |       |       |       | 2.8        | 4.5          | 4.0            |
| 110-130                          | 4.0                                  | 1.7  | .6    |       |       |       |       |       |       |       |       | 6.3        | 4.7          | 4.0            |
| 140-160                          | 7.0                                  | 1.1  | .2    |       |       |       |       |       |       |       |       | 8.3        | 3.6          | 3.0            |
| (S) 170-190                      | 6.3                                  | 1.3  | .2    |       |       |       |       |       |       |       |       | 7.8        | 3.4          | 3.0            |
| 200-220                          | 6.5                                  | 1.6  | .3    | .2    |       |       |       |       |       |       |       | 8.6        | 4.0          | 3.0            |
| 230-250                          | 9.0                                  | 5.3  | .4    |       |       |       |       |       |       |       |       | 14.7       | 4.0          | 3.0            |
| (W) 260-280                      | 10.2                                 | 5.5  | .2    |       |       |       |       |       |       |       |       | 15.9       | 4.1          | 3.5            |
| 290-310                          | 7.8                                  | 3.3  | .3    |       |       |       |       |       |       |       |       | 11.5       | 3.9          | 4.0            |
| 320-340                          | 2.9                                  | 1.0  |       | .1    |       |       |       |       |       |       |       | 4.0        | 3.9          | 3.0            |
| VARIABLE                         |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                             | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 15.8       | ////////     |                |
| TOTALS                           | 58.3                                 | 22.7 | 2.5   | .6    |       |       |       |       |       |       |       | 100.0      | 3.4          | 3.0            |
| TOTAL NUMBER OF OBSERVATIONS 930 |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAY HOURS: ALL

| WIND SPEED IN KNOTS               |                                      |      |       |       |       |       |       |       |       |       |       |      |          |        |
|-----------------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|----------|--------|
| DIRECTION                         | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | OTAL | MEAN     | MEDIAN |
| (DEGREES)                         |                                      |      |       |       |       |       |       |       |       |       |       | %    | WIND     | WIND   |
| (N) 350-010                       | 1.0                                  | .5   | .1    | .0    |       |       |       |       |       |       |       | 1.6  | 4.3      | 4.0    |
| 020-040                           | 1.0                                  | .3   | .1    | .0    | .0    |       |       |       |       |       |       | 1.4  | 4.7      | 4.0    |
| 050-070                           | 1.2                                  | .6   | .3    | .1    |       |       |       |       |       |       |       | 2.2  | 5.1      | 4.0    |
| (E) 080-100                       | 2.1                                  | 1.1  | .4    | .0    |       |       |       |       |       | .0    | 3.7   | 5.1  | 4.0      |        |
| 110-130                           | 8.2                                  | 3.5  | .9    | .2    | .0    |       |       |       |       |       |       | 12.8 | 4.7      | 4.0    |
| 140-160                           | 11.9                                 | 4.4  | .5    | .0    |       |       |       |       |       |       | 16.8  | 4.0  | 4.0      |        |
| (S) 170-190                       | 4.6                                  | 2.0  | .6    | .0    | .0    |       |       |       |       |       | 7.3   | 4.5  | 4.0      |        |
| 200-220                           | 3.5                                  | 3.0  | 1.9   | .5    | .0    |       |       |       |       |       | 8.9   | 6.8  | 6.0      |        |
| 230-250                           | 3.7                                  | 4.3  | 2.0   | .3    | .0    |       |       |       |       |       | 10.4  | 6.5  | 6.0      |        |
| (W) 260-280                       | 3.8                                  | 4.6  | 1.3   | .1    |       |       |       |       |       |       | 9.8   | 5.8  | 5.0      |        |
| 290-310                           | 3.6                                  | 4.3  | 1.1   | .0    |       |       |       |       |       |       | 9.0   | 5.7  | 5.0      |        |
| 320-340                           | 1.8                                  | 3.4  | .7    | .0    |       |       |       |       |       |       | 5.9   | 6.0  | 6.0      |        |
| VARIABLE                          |                                      |      |       |       |       |       |       |       |       |       |       |      |          |        |
| CALM                              | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 10.2 | //////// |        |
| TOTALS                            | 46.4                                 | 32.0 | 9.9   | 1.2   |       |       |       |       |       |       | 100.0 | 4.8  | 4.0      |        |
| TOTAL NUMBER OF OBSERVATIONS 7440 |                                      |      |       |       |       |       |       |       |       |       |       |      |          |        |



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAY HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

| DIRECTION<br>(DEGREES)         | WIND SPEED IN KNOTS  |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      | TOTAL | MEAN                 | MEDIAN               |
|--------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-------|----------------------|----------------------|
|                                | 1-4                  | 5-9                  | 10-14                | 15-19                | 20-24                | 25-29                | 30-34                | 35-39                | 40-49                | 50-64                | GE 65                |       |                      |                      |
| (N) 350-010                    |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |       |                      |                      |
| 020-040                        |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |       |                      |                      |
| 050-070                        |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |       |                      |                      |
| (E) 080-100                    |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |       |                      |                      |
| 110-130                        |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |       |                      |                      |
| 140-160                        |                      |                      | 100.0                |                      |                      |                      |                      |                      |                      |                      |                      | 100.0 | 11.0                 | 11.0                 |
| (S) 170-190                    |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |       |                      |                      |
| 200-220                        |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |       |                      |                      |
| 230-250                        |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |       |                      |                      |
| (W) 260-280                    |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |       |                      |                      |
| 290-310                        |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |       |                      |                      |
| 320-340                        |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |       |                      |                      |
| VARIABLE                       |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |       |                      |                      |
| CALM                           | //////////////////// | //////////////////// | //////////////////// | //////////////////// | //////////////////// | //////////////////// | //////////////////// | //////////////////// | //////////////////// | //////////////////// | //////////////////// | .0    | //////////////////// | //////////////////// |
| TOTALS                         |                      |                      | 100.0                |                      |                      |                      |                      |                      |                      |                      |                      | 100.0 | 11.0                 | 11.0                 |
| TOTAL NUMBER OF OBSERVATIONS 1 |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |       |                      |                      |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUN HOURS: 00-02

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | .1                                   |      |       |       |       |       |       |       |       |       |       | .1         | 3.0          | 3.0            |
| 020-040                | .2                                   | .1   |       |       |       |       |       |       |       |       |       | .3         | 4.3          | 3.0            |
| 050-070                | 1.0                                  | .2   |       |       |       |       |       |       |       |       |       | 1.2        | 3.0          | 2.0            |
| (E) 080-100            | 2.8                                  | 2.1  | .2    |       |       |       |       |       |       |       |       | 5.1        | 4.8          | 4.0            |
| 110-130                | 15.8                                 | 5.2  | 1.4   | .2    |       |       |       |       |       |       |       | 22.7       | 4.3          | 4.0            |
| 140-160                | 25.2                                 | 5.3  | .6    |       |       |       |       |       |       |       |       | 31.1       | 3.6          | 3.5            |
| (S) 170-190            | 12.3                                 | 2.0  |       |       |       |       |       |       |       |       |       | 14.3       | 3.2          | 3.0            |
| 200-220                | 4.8                                  | 1.4  | .1    |       |       |       |       |       |       |       |       | 6.3        | 3.5          | 3.0            |
| 230-250                | 2.9                                  | .4   |       |       |       |       |       |       |       |       |       | 3.3        | 3.3          | 3.0            |
| (W) 260-280            | 1.4                                  | .6   | .1    |       |       |       |       |       |       |       |       | 2.1        | 4.3          | 4.0            |
| 290-310                | 1.3                                  | .2   |       |       |       |       |       |       |       |       |       | 1.6        | 3.3          | 3.0            |
| 320-340                | .7                                   | .1   |       |       |       |       |       |       |       |       |       | .8         | 3.0          | 2.0            |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 11.0       | ////////     |                |
| TOTALS                 | 68.5                                 | 17.6 | 2.4   | .2    |       |       |       |       |       |       |       | 100.0      | 3.4          | 3.0            |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUN HOURS: 03-05

| DIRECTION<br>(DEGREES)           | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|----------------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                                  | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010                      |                      | .1   |       |       |       |       |       |       |       |       |       | .1         | 5.0          | 5.0            |
| 020-040                          | .1                   | .1   |       |       |       |       |       |       |       |       |       | .2         | 3.0          | 3.0            |
| 050-070                          | .6                   | .1   |       |       |       |       |       |       |       |       |       | .7         | 3.7          | 4.0            |
| (E) 080-100                      | 3.6                  | .9   | .1    |       |       |       |       |       |       |       |       | 4.6        | 3.8          | 4.0            |
| 110-130                          | 20.2                 | 9.2  | 1.1   | .1    |       |       |       |       |       |       |       | 30.7       | 4.3          | 4.0            |
| 140-160                          | 31.3                 | 11.9 | .3    |       |       |       |       |       |       |       |       | 43.6       | 4.0          | 4.0            |
| (S) 170-190                      | 5.8                  | 1.0  |       |       |       |       |       |       |       |       |       | 6.8        | 3.2          | 3.0            |
| 200-220                          | .9                   | .2   |       |       |       |       |       |       |       |       |       | 1.1        | 3.5          | 3.5            |
| 230-250                          | .6                   |      |       |       |       |       |       |       |       |       |       | .6         | 3.2          | 3.0            |
| (W) 260-280                      | .4                   |      |       |       |       |       |       |       |       |       |       | .4         | 2.3          | 2.5            |
| 290-310                          | .3                   | .2   |       |       |       |       |       |       |       |       |       | .6         | 3.8          | 3.0            |
| 320-340                          | .1                   |      |       |       |       |       |       |       |       |       |       | .1         | 4.0          | 4.0            |
| VARIABLE                         |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                             | //////////////////// |      |       |       |       |       |       |       |       |       |       | 10.7       | ////////     |                |
| TOTALS                           | 63.9                 | 23.7 | 1.5   | .1    |       |       |       |       |       |       |       | 100.0      | 3.6          | 4.0            |
| TOTAL NUMBER OF OBSERVATIONS 900 |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUN HOURS: 06-08

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND                     | MEDIAN<br>WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
|                        | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |                                  |                |
| (N) 350-010            | .1                                   |      |       |       |       |       |       |       |       |       |       | .1         | 1.0                              | 1.0            |
| 020-049                | .2                                   |      |       |       |       |       |       |       |       |       |       | .2         | 2.0                              | 2.0            |
| 050-070                | .7                                   | .6   | .1    |       |       |       |       |       |       |       |       | 1.3        | 5.1                              | 4.5            |
| (E) 080-100            | 2.2                                  | 1.4  |       | .1    |       |       |       |       |       |       |       | 3.8        | 4.6                              | 4.0            |
| 110-130                | 11.9                                 | 10.0 | 1.7   | .4    | .2    |       |       |       |       |       |       | 24.2       | 5.4                              | 5.0            |
| 140-160                | 22.1                                 | 20.0 | 1.1   |       |       |       |       |       |       |       |       | 43.2       | 4.8                              | 4.0            |
| (S) 170-190            | 8.4                                  | 4.1  | .1    |       |       |       |       |       |       |       |       | 12.7       | 4.0                              | 4.0            |
| 200-220                | 1.4                                  | 1.1  | .1    |       |       |       |       |       |       |       |       | 2.7        | 4.7                              | 4.0            |
| 230-250                | .4                                   | .1   |       |       |       |       |       |       |       |       |       | .6         | 3.2                              | 3.0            |
| (W) 260-280            | .3                                   |      |       |       |       |       |       |       |       |       |       | .3         | 2.0                              | 2.0            |
| 290-310                | .1                                   | .1   |       |       |       |       |       |       |       |       |       | .2         | 4.0                              | 4.0            |
| 320-340                | .3                                   |      |       |       |       |       |       |       |       |       |       | .3         | 2.3                              | 2.0            |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 10.3       | //////////////////////////////// |                |
| TOTALS                 | 48.1                                 | 37.4 | 3.1   | .5    | .2    |       |       |       |       |       |       | 100.0      | 4.3                              | 4.0            |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUN HOURS: 09-11

| DIRECTION<br>(DEGREES)           | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|----------------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                                  | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010                      | 2.6                  | .6   |       |       |       |       |       |       |       |       |       | 3.1        | 3.3          | 3.0            |
| 020-040                          | 2.2                  | .6   |       |       |       |       |       |       |       |       |       | 2.8        | 3.0          | 2.0            |
| 050-070                          | 2.0                  | .9   | .7    | .2    |       |       |       |       |       |       |       | 3.8        | 5.6          | 4.0            |
| (E) 080-100                      | 3.6                  | 1.0  | .6    |       |       |       |       |       |       |       |       | 5.1        | 4.3          | 3.5            |
| 110-130                          | 4.4                  | 2.6  | 1.6   | 1.1   | .1    | .1    |       |       |       |       |       | 10.0       | 7.1          | 5.5            |
| 140-160                          | 5.2                  | 3.4  | .3    | .1    |       |       |       |       |       |       |       | 9.1        | 4.7          | 4.0            |
| (S) 170-190                      | 7.0                  | 3.9  | 1.3   |       |       |       |       |       |       |       |       | 12.2       | 4.9          | 4.0            |
| 200-220                          | 6.0                  | 3.8  | 1.0   | .1    |       |       |       |       |       |       |       | 10.9       | 5.0          | 4.0            |
| 230-250                          | 4.3                  | 2.4  | .8    |       |       |       |       |       |       |       |       | 7.6        | 4.7          | 4.0            |
| (W) 260-280                      | 3.4                  | .9   |       |       |       |       |       |       |       |       |       | 4.3        | 3.4          | 4.0            |
| 290-310                          | 5.9                  | 2.1  | .1    |       |       |       |       |       |       |       |       | 8.1        | 3.7          | 4.0            |
| 320-340                          | 4.1                  | 2.3  |       |       |       |       |       |       |       |       |       | 6.4        | 4.0          | 4.0            |
| VARIABLE                         |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                             | //////////////////// |      |       |       |       |       |       |       |       |       |       | 16.6       | ////////     |                |
| TOTALS                           | 50.9                 | 24.5 | 6.4   | 1.5   | .1    | .1    |       |       |       |       |       | 100.0      | 4.0          | 4.0            |
| TOTAL NUMBER OF OBSERVATIONS 900 |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUN HOURS: 12-14

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | 1.3                  | 2.2  | .2    |       |       |       |       |       |       |       |       | 3.8        | 5.3          | 6.0            |
| 020-040                | 2.6                  | 1.2  | .1    |       |       |       |       |       |       |       |       | 3.9        | 4.3          | 4.0            |
| 050-070                | 1.4                  | 1.0  | .4    |       |       |       |       |       |       |       |       | 2.9        | 5.4          | 5.0            |
| (E) 080-100            | .9                   | .8   | .4    |       |       |       |       |       |       |       |       | 2.1        | 6.0          | 5.0            |
| 110-130                | 1.0                  | 1.2  | 1.9   | .3    | .1    |       |       |       |       |       |       | 4.6        | 9.2          | 10.0           |
| 140-160                | 1.1                  | 1.4  | .6    | .2    | .1    |       |       |       |       |       |       | 3.4        | 7.3          | 6.0            |
| (S) 170-190            | 1.7                  | 2.7  | 1.4   | .1    | .1    |       |       |       |       |       |       | 6.0        | 7.0          | 6.0            |
| 200-220                | 2.9                  | 4.8  | 4.8   | .6    |       |       |       |       |       |       |       | 13.0       | 8.1          | 8.0            |
| 230-250                | 4.4                  | 6.8  | 2.3   | .2    |       |       |       |       |       |       |       | 13.8       | 6.5          | 6.0            |
| (W) 260-280            | 4.4                  | 7.9  | .6    |       |       |       |       |       |       |       |       | 12.9       | 5.6          | 6.0            |
| 290-310                | 5.4                  | 8.2  | 1.9   |       |       |       |       |       |       |       |       | 15.6       | 6.1          | 6.0            |
| 320-340                | 5.4                  | 7.1  | 1.1   |       |       |       |       |       |       |       |       | 13.7       | 5.4          | 5.0            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 4.4        | ////////     |                |
| TOTALS                 | 32.5                 | 45.3 | 15.7  | 1.4   | .3    |       |       |       |       |       |       | 100.0      | 6.1          | 6.0            |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUN HOURS: 15-17

| DIRECTION<br>(DEGREES)           | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|----------------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                                  | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010                      | 2.4                  | 1.8  | .3    | .2    |       |       |       |       |       |       |       | 4.8        | 5.3          | 4.0            |
| 020-040                          | 1.2                  | .8   | .4    |       |       |       |       |       |       |       |       | 2.4        | 6.2          | 5.0            |
| 050-070                          | .7                   | .9   | .3    |       | .1    |       |       |       |       |       |       | 2.0        | 6.9          | 7.0            |
| (E) 080-100                      | .9                   | 1.1  | .4    |       |       |       |       |       |       |       |       | 2.4        | 6.4          | 7.5            |
| 110-130                          | .6                   | .7   | 1.2   | .3    | .1    |       |       |       |       |       |       | 2.9        | 10.0         | 10.0           |
| 140-160                          | 1.3                  | .7   | .6    | .3    |       |       |       |       |       |       |       | 2.9        | 7.3          | 5.0            |
| (S) 170-190                      | .2                   | 1.7  | .8    | .1    |       | .1    |       |       |       |       |       | 2.9        | 8.9          | 8.0            |
| 200-220                          | 1.8                  | 3.4  | 4.7   | .4    |       |       |       |       |       |       |       | 10.3       | 8.7          | 9.0            |
| 230-250                          | 2.4                  | 7.1  | 7.8   | .8    |       |       |       |       |       |       |       | 18.1       | 8.6          | 9.0            |
| (W) 260-280                      | 3.4                  | 8.7  | 3.3   | .2    |       |       |       |       |       |       |       | 15.7       | 6.9          | 6.0            |
| 290-310                          | 3.2                  | 12.6 | 3.7   | .2    |       |       |       |       |       |       |       | 19.7       | 6.9          | 6.0            |
| 320-340                          | 3.2                  | 7.0  | 3.2   | .3    |       |       |       |       |       |       |       | 13.8       | 7.4          | 8.0            |
| VARIABLE                         |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                             | //////////////////// |      |       |       |       |       |       |       |       |       |       | 2.1        | ////////     |                |
| TOTALS                           | 21.3                 | 46.5 | 26.7  | 2.8   | .2    | .1    |       |       |       |       |       | 100.0      | 7.4          | 7.0            |
| TOTAL NUMBER OF OBSERVATIONS 900 |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUN HOURS: 18-20

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND                     | MEDIAN<br>WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
|                        | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |                                  |                |
| (N) 350-010            | .7                                   | .7   | .4    |       |       |       |       |       |       |       |       | 1.8        | 6.3                              | 5.5            |
| 020-040                | .7                                   | .4   | .3    |       |       |       |       |       |       |       |       | 1.4        | 6.2                              | 5.0            |
| 050-070                | .9                                   | 1.6  | 1.0   | .3    |       |       |       |       |       |       |       | 3.8        | 7.9                              | 7.5            |
| (E) 080-100            | .9                                   | .7   | .8    |       |       |       |       |       |       |       |       | 2.3        | 6.9                              | 6.0            |
| 110-130                | .6                                   | 1.4  | .8    |       |       |       |       |       |       |       |       | 2.8        | 7.5                              | 8.0            |
| 140-160                | .4                                   | 1.4  | .6    | .2    |       |       |       |       |       |       |       | 2.7        | 7.6                              | 8.0            |
| (S) 170-190            | .4                                   | 1.1  | .7    | .2    |       |       |       |       |       |       |       | 2.4        | 8.1                              | 8.0            |
| 200-220                | 1.0                                  | 3.2  | 1.4   | .2    |       |       |       |       |       |       |       | 5.9        | 7.8                              | 8.0            |
| 230-250                | 3.7                                  | 9.7  | 4.9   | .4    |       |       |       |       |       |       |       | 18.7       | 7.4                              | 7.0            |
| (W) 260-280            | 5.0                                  | 11.7 | 1.9   |       |       |       |       |       |       |       |       | 18.6       | 6.3                              | 6.0            |
| 290-310                | 5.1                                  | 11.1 | 3.3   | .1    |       |       |       |       |       |       |       | 19.7       | 6.5                              | 6.0            |
| 320-340                | 4.3                                  | 10.2 | 2.8   | .1    |       |       |       |       |       |       |       | 17.4       | 6.7                              | 7.0            |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 2.6        | //////////////////////////////// |                |
| TOTALS                 | 23.7                                 | 53.2 | 18.9  | 1.5   |       |       |       |       |       |       |       | 100.0      | 6.7                              | 7.0            |

TOTAL NUMBER OF OBSERVATIONS 900



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUN HOURS: 21-23

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND                     | MEDIAN<br>WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
|                        | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |                                  |                |
| (N) 350-010            | .8                                   | .1   |       |       |       |       |       |       |       |       |       | .9         | 2.6                              | 2.0            |
| 020-040                | .4                                   | .1   |       |       |       |       |       |       |       |       |       | .6         | 3.8                              | 3.0            |
| 050-070                | .6                                   | .8   | .3    |       |       |       |       |       |       |       |       | 1.7        | 6.4                              | 6.0            |
| (E) 080-100            | 1.0                                  | 1.4  | .3    |       |       |       |       |       |       |       |       | 2.8        | 6.4                              | 7.0            |
| 110-130                | 4.3                                  | 2.0  | .9    | .1    |       | .2    |       |       |       |       |       | 7.6        | 5.8                              | 4.0            |
| 140-160                | 5.1                                  | 1.6  | .4    | .2    |       | .1    |       |       |       |       |       | 7.4        | 4.8                              | 4.0            |
| (S) 170-190            | 5.4                                  | 1.9  | .     |       |       |       |       |       |       |       |       | 7.4        | 3.8                              | 4.0            |
| 200-220                | 5.2                                  | .7   | .2    |       |       |       |       |       |       |       |       | 6.1        | 3.6                              | 3.0            |
| 230-250                | 10.7                                 | 4.7  | .1    |       |       |       |       |       |       |       |       | 15.4       | 3.8                              | 3.0            |
| (W) 260-280            | 11.6                                 | 6.8  | .2    |       |       |       |       |       |       |       |       | 18.6       | 4.2                              | 4.0            |
| 290-310                | 8.9                                  | 4.2  | .1    |       |       |       |       |       |       |       |       | 13.2       | 4.0                              | 4.0            |
| 320-340                | 3.1                                  | .9   | .1    |       |       |       |       |       |       |       |       | 4.1        | 3.9                              | 4.0            |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 14.2       | //////////////////////////////// |                |
| TOTALS                 | 57.1                                 | 25.2 | 2.7   | .3    |       | .3    |       |       |       |       |       | 100.0      | 3.7                              | 4.0            |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUN HOURS: ALL

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|----------------|
|                        | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |       |              |                |
| (N) 350-010            | 1.0                  | .7   | .1    | .0    |       |       |       |       |       |       |       | 1.8   | 4.8          | 4.0            |
| 020-040                | 1.0                  | .4   | .1    |       |       |       |       |       |       |       |       | 1.5   | 4.5          | 4.0            |
| 050-070                | 1.0                  | .8   | .4    | .1    | .0    |       |       |       |       |       |       | 2.2   | 6.0          | 5.0            |
| (E) 080-100            | 2.0                  | 1.2  | .4    | .0    |       |       |       |       |       |       |       | 3.5   | 5.1          | 4.0            |
| 110-130                | 7.4                  | 4.0  | 1.3   | .3    | .1    | .0    |       |       |       |       |       | 13.2  | 5.4          | 4.0            |
| 140-160                | 11.5                 | 5.7  | .6    | .1    | .0    | .0    |       |       |       |       |       | 17.9  | 4.4          | 4.0            |
| (S) 170-190            | 5.2                  | 2.3  | .6    | .1    | .0    | .0    |       |       |       |       |       | 8.1   | 4.6          | 4.0            |
| 200-220                | 3.0                  | 2.3  | 1.5   | .2    |       |       |       |       |       |       |       | 7.0   | 6.3          | 5.0            |
| 230-250                | 3.7                  | 3.9  | 2.0   | .2    |       |       |       |       |       |       |       | 9.7   | 6.3          | 6.0            |
| (W) 260-280            | 3.8                  | 4.6  | .8    | .0    |       |       |       |       |       |       |       | 9.1   | 5.5          | 5.0            |
| 290-310                | 3.8                  | 4.8  | 1.1   | .0    |       |       |       |       |       |       |       | 9.8   | 5.7          | 6.0            |
| 320-340                | 2.7                  | 3.5  | .9    | .1    |       |       |       |       |       |       |       | 7.1   | 6.0          | 6.0            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |       |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 9.0   | ////////     |                |
| TOTALS                 | 46.1                 | 34.2 | 9.8   | 1.1   | .1    |       |       |       |       |       |       | 100.0 | 4.9          | 4.0            |

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

| DIRECTION  <br>(DEGREES) | WIND SPEED IN KNOTS  |     |       |       |       |       |       |       |       |       |       | TOTAL | MEAN             | MEDIAN |
|--------------------------|----------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------------|--------|
|                          | 1-4                  | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |       |                  |        |
| (N) 350-010              |                      |     |       |       |       |       |       |       |       |       |       |       |                  |        |
| 020-040                  |                      |     |       |       |       |       |       |       |       |       |       |       |                  |        |
| 050-070                  |                      |     |       |       |       |       |       |       |       |       |       |       |                  |        |
| (E) 080-100              |                      |     |       |       |       |       |       |       |       |       |       |       |                  |        |
| 110-130                  |                      |     |       |       |       |       |       |       |       |       |       |       |                  |        |
| 140-160                  |                      |     |       |       |       |       |       |       |       |       |       |       |                  |        |
| (S) 170-190              |                      |     |       |       |       |       |       |       |       |       |       |       |                  |        |
| 200-220                  |                      |     |       |       |       |       |       |       |       |       |       |       |                  |        |
| 230-250                  |                      |     |       |       |       |       |       |       |       |       |       |       |                  |        |
| (W) 260-280              |                      |     |       |       |       |       |       |       |       |       |       |       |                  |        |
| 290-310                  |                      |     | 100.0 |       |       |       |       |       |       |       |       | 100.0 | 14.0             | 14.0   |
| 320-340                  |                      |     |       |       |       |       |       |       |       |       |       |       |                  |        |
| VARIABLE                 |                      |     |       |       |       |       |       |       |       |       |       |       |                  |        |
| CALM                     | //////////////////// |     |       |       |       |       |       |       |       |       |       | .0    | //////////////// |        |
| TOTALS                   |                      |     | 100.0 |       |       |       |       |       |       |       |       | 100.0 | 14.0             | 14.0   |

TOTAL NUMBER OF OBSERVATIONS 1

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: LAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUL HOURS: 00-02

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | .1                   | .1   |       |       |       |       |       |       |       |       |       | .2         | 6.5          | 6.5            |
| 020-040                | .1                   | .2   | .1    | .1    |       |       |       |       |       |       |       | .5         | 8.6          | 8.0            |
| 050-070                | .8                   | .5   | .2    |       |       |       |       |       |       |       |       | 1.5        | 5.3          | 4.5            |
| (E) 080-100            | 4.2                  | 2.4  | .2    | .1    |       |       |       |       |       |       |       | 6.9        | 4.4          | 4.0            |
| 110-130                | 12.6                 | 6.3  | 2.7   | .3    |       |       |       |       |       |       |       | 21.9       | 5.2          | 4.0            |
| 140-160                | 20.0                 | 5.9  | 1.7   | .2    |       |       |       |       |       |       |       | 27.8       | 4.1          | 4.0            |
| (S) 170-190            | 9.9                  | 3.8  | .5    |       |       |       |       |       |       |       |       | 14.2       | 3.9          | 3.5            |
| 200-220                | 3.1                  | 1.7  | .5    |       |       |       |       |       |       |       |       | 5.4        | 4.6          | 4.0            |
| 230-250                | 1.5                  | .5   |       |       |       |       |       |       |       |       |       | 2.0        | 3.3          | 2.0            |
| (W) 260-280            | 1.4                  | 1.0  |       |       |       |       |       |       |       |       |       | 2.4        | 4.0          | 3.5            |
| 290-310                | .3                   | .3   |       |       |       |       |       |       |       |       |       | .6         | 4.8          | 5.0            |
| 320-340                | 2                    |      | .2    |       |       |       |       |       |       |       |       | .4         | 6.5          | 6.0            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 16.0       | ////         | ////           |
| TOTALS                 | 54.2                 | 22.7 | 6.1   | .7    |       |       |       |       |       |       |       | 100.0      | 3.7          | 4.0            |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUL HOURS: 03-05

| DIRECTION<br>(DEGREES)           | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|----------------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                                  | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010                      | .3                                   | .2   |       |       |       |       |       |       |       |       |       | .5         | 3.8          | 4.0            |
| 020-040                          | .8                                   | .2   |       |       |       |       |       |       |       |       |       | 1.0        | 3.2          | 2.0            |
| 050-070                          | 1.6                                  | .3   | .2    |       |       |       |       |       |       |       |       | 2.2        | 3.6          | 2.0            |
| (E) 080-100                      | 3.2                                  | 2.0  | .1    |       |       |       |       |       |       |       |       | 5.4        | 4.5          | 4.0            |
| 110-130                          | 15.4                                 | 7.8  | 1.1   | .2    | .1    |       |       |       |       |       |       | 24.6       | 4.5          | 4.0            |
| 140-160                          | 27.8                                 | 8.7  | .5    | .1    |       |       |       |       |       |       |       | 37.2       | 3.8          | 4.0            |
| (S) 170-190                      | 7.0                                  | 2.9  | .4    |       |       |       |       |       |       |       |       | 10.3       | 4.1          | 4.0            |
| 200-220                          | 2.3                                  | .4   | .1    |       |       |       |       |       |       |       |       | 2.8        | 3.6          | 2.5            |
| 230-250                          |                                      | .4   |       |       |       |       |       |       |       |       |       | .4         | 5.3          | 5.0            |
| (W) 260-280                      | .4                                   | .1   |       |       |       |       |       |       |       |       |       | .5         | 3.8          | 4.0            |
| 290-310                          | .3                                   | .1   |       |       |       |       |       |       |       |       |       | .4         | 4.0          | 3.5            |
| 320-340                          | .4                                   |      |       |       |       |       |       |       |       |       |       | .4         | 3.0          | 3.0            |
| VARIABLE                         |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                             | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 14.2       | ////////     |                |
| TOTALS                           | 59.5                                 | 23.1 | 2.4   | .3    | .1    |       |       |       |       |       |       | 100.0      | 3.5          | 4.0            |
| TOTAL NUMBER OF OBSERVATIONS 930 |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUL HOURS: 06-08

| WIND SPEED IN KNOTS    |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| DIRECTION<br>(DEGREES) | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
| (N) 350-010            | .1                                   |      |       |       |       |       |       |       |       |       |       | .1         | 1.0          | 1.0            |
| 020-040                | .3                                   |      |       |       |       |       |       |       |       |       |       | .3         | 2.0          | 2.0            |
| 050-070                | 1.1                                  | .1   | .1    |       |       |       |       |       |       |       |       | 1.3        | 3.7          | 3.0            |
| (E) 080-100            | 3.2                                  | 1.5  |       |       |       |       |       |       |       |       |       | 4.7        | 3.6          | 3.0            |
| 110-130                | 12.0                                 | 7.7  | 1.1   | .2    |       |       |       |       |       |       |       | 21.1       | 4.8          | 4.0            |
| 140-160                | 21.2                                 | 10.5 | .8    | .1    |       |       |       |       |       |       |       | 32.6       | 4.3          | 4.0            |
| (S) 170-190            | 12.0                                 | 4.5  | .2    |       |       |       |       |       |       |       |       | 16.8       | 3.8          | 3.0            |
| 200-220                | 3.5                                  | .9   |       |       |       |       |       |       |       |       |       | 4.4        | 3.5          | 3.0            |
| 230-250                | 1.1                                  | .2   |       |       |       |       |       |       |       |       |       | 1.3        | 2.8          | 2.0            |
| (W) 260-280            | .6                                   |      |       |       |       |       |       |       |       |       |       | .6         | 2.2          | 2.0            |
| 290-310                | .3                                   | .2   |       |       |       |       |       |       |       |       |       | .5         | 5.2          | 4.0            |
| 320-340                | .4                                   | .1   |       |       |       |       |       |       |       |       |       | .5         | 2.6          | 1.0            |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 15.7       | ////////     |                |
| TOTALS                 | 55.8                                 | 25.7 | 2.2   | .3    |       |       |       |       |       |       |       | 100.0      | 3.5          | 4.0            |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUL HOURS: 09-11

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND                     | MEDIAN<br>WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
|                        | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |                                  |                |
| (N) 350-010            | 2.8                                  | .9   |       |       |       |       |       |       |       |       |       | 3.7        | 3.1                              | 3.0            |
| 020-040                | 1.9                                  | .6   |       |       |       |       |       |       |       |       |       | 2.6        | 3.4                              | 3.0            |
| 050-070                | 2.6                                  | .8   |       |       |       |       |       |       |       |       |       | 3.3        | 3.1                              | 3.0            |
| (E) 080-100            | 3.2                                  | .5   |       |       |       |       |       |       |       |       |       | 3.3        | 3.1                              | 3.0            |
| 110-130                | 5.2                                  | 3.1  | 1.4   | .2    |       |       |       |       |       |       |       | 9.9        | 5.5                              | 4.0            |
| 140-160                | 4.8                                  | 2.8  | .6    |       |       |       |       |       |       |       |       | 8.3        | 4.4                              | 4.0            |
| (S) 170-190            | 5.6                                  | 3.4  | .1    |       |       |       |       |       |       |       |       | 9.1        | 4.1                              | 4.0            |
| 200-220                | 4.9                                  | 2.4  | .5    | .1    |       |       |       |       |       |       |       | 8.0        | 4.4                              | 4.0            |
| 230-250                | 3.1                                  | .4   |       |       |       |       |       |       |       |       |       | 3.5        | 2.8                              | 3.0            |
| (W) 260-280            | 4.7                                  | 1.3  |       |       |       |       |       |       |       |       |       | 6.0        | 3.3                              | 3.0            |
| 290-310                | 5.3                                  | 3.7  | .2    |       |       |       |       |       |       |       |       | 9.1        | 4.3                              | 4.0            |
| 320-340                | 7.2                                  | 2.8  |       |       |       |       |       |       |       |       |       | 10.0       | 3.3                              | 3.0            |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 22.7       | //////////////////////////////// |                |
| TOTALS                 | 51.3                                 | 22.7 | 2.8   | .3    |       |       |       |       |       |       |       | 100.0      | 3.1                              | 4.0            |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUL HOURS: 12-14

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | 3.3                  | 2.9  |       |       |       |       |       |       |       |       |       | 6.2        | 4.5          | 4.0            |
| 020-040                | 2.6                  | .8   | .1    |       |       |       |       |       |       |       |       | 3.4        | 3.5          | 3.0            |
| 050-070                | 1.6                  | .2   | .4    |       |       |       |       |       |       |       |       | 2.3        | 4.9          | 3.0            |
| (E) 080-100            | 1.0                  | 1.4  | .4    |       |       |       |       |       |       |       |       | 2.8        | 5.7          | 6.0            |
| 110-130                | 1.6                  | 1.9  | .9    | .1    |       |       |       |       |       |       |       | 4.5        | 6.4          | 6.0            |
| 140-160                | 2.2                  | 1.2  | .5    | .1    |       |       |       |       |       |       |       | 4.0        | 5.6          | 4.0            |
| (S) 170-190            | 1.2                  | 1.9  | .8    |       | .1    |       |       |       |       |       |       | 4.0        | 6.9          | 7.0            |
| 200-220                | 3.0                  | 2.6  | 1.6   | .2    |       |       |       |       |       |       |       | 7.4        | 6.3          | 6.0            |
| 230-250                | 4.0                  | 3.9  | .5    | .1    |       |       |       |       |       |       |       | 8.5        | 5.2          | 5.0            |
| (W) 260-280            | 5.5                  | 7.3  | .4    |       |       |       |       |       |       |       |       | 13.2       | 5.1          | 5.0            |
| 290-310                | 6.7                  | 9.4  | 1.8   |       |       |       |       |       |       |       |       | 17.8       | 5.6          | 5.0            |
| 320-340                | 7.6                  | 8.0  | 1.3   | .1    |       |       |       |       |       |       |       | 17.0       | 5.4          | 5.0            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 8.8        | ////////     |                |
| TOTALS                 | 40.3                 | 41.5 | 8.7   | .6    | .1    |       |       |       |       |       |       | 100.0      | 5.0          | 5.0            |

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUL HOURS: 15-17

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | 1.7                  | 1.7  | .4    |       |       |       |       |       |       |       |       | 3.9        | 5.5          | 5.0            |
| 020-040                | 1.1                  | .8   | .2    |       |       |       |       |       |       |       |       | 2.0        | 5.3          | 4.0            |
| 050-070                | 1.0                  | .5   | .3    | .1    |       |       |       |       |       |       |       | 1.9        | 5.6          | 4.5            |
| (E) 080-100            | .5                   | 1.0  | .8    | .1    | .2    |       |       |       |       |       |       | 2.6        | 9.0          | 8.0            |
| 110-130                | .6                   | 1.7  | 1.0   | .3    | .1    |       |       |       |       |       |       | 3.8        | 8.7          | 8.0            |
| 140-160                | 1.4                  | 1.7  | .5    | .3    | .1    |       |       |       |       |       |       | 4.1        | 7.4          | 6.5            |
| (S) 170-190            | 1.9                  | 2.0  | .9    | .2    |       |       |       |       |       |       |       | 5.1        | 6.1          | 5.0            |
| 200-220                | 2.5                  | 4.4  | 1.9   | .2    |       |       |       |       |       |       |       | 9.0        | 6.8          | 6.0            |
| 230-250                | 4.0                  | 6.1  | 1.6   | .3    |       |       |       |       |       |       |       | 12.0       | 6.5          | 6.0            |
| (W) 260-280            | 4.1                  | 6.6  | 1.7   |       |       |       |       |       |       |       |       | 12.4       | 6.1          | 6.0            |
| 290-310                | 4.4                  | 11.5 | 4.7   |       |       |       |       |       |       |       |       | 20.6       | 7.1          | 7.0            |
| 320-340                | 3.7                  | 9.4  | 5.5   | .5    | .1    |       |       |       |       |       |       | 19.1       | 7.8          | 8.0            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 3.4        | ////////     |                |
| TOTALS                 | 26.9                 | 47.4 | 19.5  | 2.0   | .5    |       |       |       |       |       |       | 100.0      | 6.7          | 6.0            |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUL HOURS: 18-20

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND                     | MEDIAN<br>WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
|                        | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |                                  |                |
| (N) 350-010            | .5                                   | .8   | .8    |       |       |       |       |       |       |       |       | 2.0        | 7.2                              | 7.0            |
| 020-040                | .6                                   | 1.2  | .9    | .3    |       |       | .1    |       |       |       |       | 3.1        | 9.5                              | 9.0            |
| 050-070                | 1.2                                  | 1.6  | 1.0   | .2    |       |       |       |       |       |       |       | 4.0        | 7.2                              | 6.0            |
| (E) 080-100            | 1.7                                  | 1.9  | .2    | .2    |       | .1    |       |       |       |       |       | 4.2        | 6.2                              | 5.0            |
| 110-130                | 2.0                                  | 2.3  | 2.5   | .4    |       |       |       |       | .1    |       |       | 7.3        | 8.4                              | 8.0            |
| 140-160                | 2.2                                  | 2.6  | .4    | .3    |       |       |       |       |       |       |       | 5.5        | 6.0                              | 5.0            |
| (S) 170-190            | 2.6                                  | 2.0  | .8    | .4    |       |       |       |       |       |       |       | 5.8        | 6.5                              | 5.0            |
| 200-220                | 2.2                                  | 2.9  | .9    | .3    |       |       |       |       |       |       |       | 6.2        | 6.4                              | 6.0            |
| 230-250                | 4.5                                  | 3.7  | 1.1   | .2    | .1    |       |       |       |       |       |       | 9.6        | 5.6                              | 5.0            |
| (W) 260-280            | 3.4                                  | 5.4  | 1.0   | .1    |       |       |       |       |       |       |       | 9.9        | 6.0                              | 6.0            |
| 290-310                | 6.1                                  | 13.7 | 4.1   |       |       |       |       |       |       |       |       | 23.9       | 6.5                              | 6.0            |
| 320-340                | 2.2                                  | 5.2  | 5.3   |       |       |       |       |       |       |       |       | 12.6       | 7.9                              | 8.0            |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 5.9        | //////////////////////////////// |                |
| TOTALS                 | 29.2                                 | 43.3 | 1.0   | 2.4   | .1    | .1    | .1    |       | .1    |       |       | 100.0      | 6.4                              | 6.0            |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUL HOURS: 21-23

| DIRECTION<br>(DEGREES)           | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|----------------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                                  | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010                      | .6                                   | .8   | .3    | .1    |       |       |       |       |       |       |       | 1.8        | 6.2          | 6.0            |
| 020-040                          | .4                                   | .4   | .2    | .1    |       |       |       |       |       |       |       | 1.2        | 7.3          | 6.0            |
| 050-070                          | 1.3                                  | 1.2  | .9    | .1    |       | .1    |       |       |       |       |       | 3.5        | 7.2          | 6.0            |
| (E) 080-100                      | 2.6                                  | 1.6  | .4    | .2    | .3    |       |       |       |       |       |       | 5.2        | 6.6          | 4.5            |
| 110-130                          | 4.5                                  | 3.5  | 3.7   | .4    | .1    |       |       |       |       |       |       | 12.3       | 7.0          | 6.0            |
| 140-160                          | 7.1                                  | 3.8  | 1.5   | .4    | .1    |       |       |       |       |       |       | 12.9       | 5.4          | 4.0            |
| (S) 170-190                      | 7.7                                  | 3.0  | .4    | .2    |       |       |       |       |       |       |       | 11.4       | 4.2          | 3.0            |
| 200-220                          | 5.3                                  | 1.4  | 1.3   | .1    |       |       |       |       |       |       |       | 8.1        | 4.8          | 4.0            |
| 230-250                          | 4.9                                  | 1.2  | .1    |       |       |       |       |       |       |       |       | 6.2        | 3.4          | 3.0            |
| (W) 260-280                      | 6.0                                  | 2.3  |       |       |       |       |       |       |       |       |       | 8.3        | 3.4          | 3.0            |
| 290-310                          | 8.4                                  | 2.2  | .3    |       |       |       |       |       |       |       |       | 10.9       | 3.6          | 3.0            |
| 320-340                          | .9                                   | .8   | .1    |       |       |       |       |       |       |       |       | 1.7        | 4.8          | 4.5            |
| VARIABLE                         |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                             | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 16.6       | ////////     |                |
| TOTALS                           | 49.7                                 | 22.2 | 9.2   | 1.6   | .5    | .1    |       |       |       |       |       | 100.0      | 4.2          | 4.0            |
| TOTAL NUMBER OF OBSERVATIONS 930 |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUL HOURS: ALL

|                                   |  | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       |                                  |      |        |
|-----------------------------------|--|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------------------|------|--------|
| DIRECTION                         |  | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | TOTAL                            | MEAN | MEDIAN |
| (DEGREES                          |  |                                      |      |       |       |       |       |       |       |       |       | %     | WIND                             | WIND |        |
| (N) 350-010                       |  | 1.2                                  | .9   | .2    | .0    |       |       |       |       |       |       |       | 2.3                              | 4.9  | 4.0    |
| 020-040                           |  | 1.0                                  | .5   | .2    | .1    |       |       | .0    |       |       |       |       | 1.8                              | 5.5  | 4.0    |
| 050-070                           |  | 1.4                                  | .7   | .4    | .1    |       | .0    |       |       |       |       |       | 2.5                              | 5.3  | 4.0    |
| (E) 080-100                       |  | 2.5                                  | 1.5  | .3    | .1    | .1    | .0    |       |       |       |       |       | 4.4                              | 5.1  | 4.0    |
| 110-130                           |  | 6.7                                  | 4.3  | 1.8   | .3    | .0    |       |       |       | .0    |       |       | 13.2                             | 5.6  | 4.0    |
| 140-160                           |  | 10.8                                 | 4.7  | .8    | .2    | .0    |       |       |       |       |       |       | 16.5                             | 4.4  | 4.0    |
| (S) 170-190                       |  | 6.0                                  | 3.0  | .5    | .1    | .0    |       |       |       |       |       |       | 9.6                              | 4.5  | 4.0    |
| 200-220                           |  | 3.3                                  | 2.1  | .9    | .1    |       |       |       |       |       |       |       | 6.4                              | 5.3  | 4.0    |
| 230-250                           |  | 2.9                                  | 2.1  | .4    | .1    | .0    |       |       |       |       |       |       | 5.5                              | 5.0  | 4.0    |
| (W) 260-280                       |  | 3.3                                  | 3.0  | .4    | .0    |       |       |       |       |       |       |       | 6.7                              | 4.9  | 5.0    |
| 290-310                           |  | 4.0                                  | 5.1  | 1.4   |       |       |       |       |       |       |       |       | 10.5                             | 5.8  | 6.0    |
| 320-340                           |  | 2.8                                  | 3.3  | 1.5   | .1    | .0    |       |       |       |       |       |       | 7.7                              | 6.3  | 6.0    |
|                                   |  |                                      |      |       |       |       |       |       |       |       |       |       |                                  |      |        |
| VARIABLE                          |  |                                      |      |       |       |       |       |       |       |       |       |       |                                  |      |        |
| CALM                              |  | //////////////////////////////////// |      |       |       |       |       |       |       |       |       | 12.9  | //////////////////////////////// |      |        |
| TOTALS                            |  | 45.9                                 | 31.2 | 8.8   | 1.2   | .1    |       |       |       |       |       |       | 100.0                            | 4.5  | 4.0    |
| TOTAL NUMBER OF OBSERVATIONS 7440 |  |                                      |      |       |       |       |       |       |       |       |       |       |                                  |      |        |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      | TOTAL<br>% | MEAN<br>WIND                         | MEDIAN<br>WIND                       |
|------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|------------|--------------------------------------|--------------------------------------|
|                        | 1-4                                  | 5-9                                  | 10-14                                | 15-19                                | 20-24                                | 25-29                                | 30-34                                | 35-39                                | 40-49                                | 50-64                                | GE 65                                |            |                                      |                                      |
| (N) 350-010            |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |            |                                      |                                      |
| 020-040                |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |            |                                      |                                      |
| 050-070                |                                      |                                      |                                      |                                      |                                      | 33.3                                 |                                      |                                      |                                      |                                      |                                      | 33.3       | 26.0                                 | 25.0                                 |
| (E) 080-100            |                                      | 33.3                                 |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      | 33.3       | 8.0                                  | 8.0                                  |
| 110-130                |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |            |                                      |                                      |
| 140-160                |                                      | 33.3                                 |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      | 33.3       | 8.0                                  | 8.0                                  |
| (S) 170-190            |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |            |                                      |                                      |
| 200-220                |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |            |                                      |                                      |
| 230-250                |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |            |                                      |                                      |
| (W) 260-280            |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |            |                                      |                                      |
| 290-310                |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |            |                                      |                                      |
| 320-340                |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |            |                                      |                                      |
| VARIABLE               |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |            |                                      |                                      |
| CALM                   | //////////////////////////////////// | //////////////////////////////////// | //////////////////////////////////// | //////////////////////////////////// | //////////////////////////////////// | //////////////////////////////////// | //////////////////////////////////// | //////////////////////////////////// | //////////////////////////////////// | //////////////////////////////////// | //////////////////////////////////// | .0         | //////////////////////////////////// | //////////////////////////////////// |
| TOTALS                 |                                      | 66.6                                 |                                      |                                      |                                      | 33.3                                 |                                      |                                      |                                      |                                      |                                      | 100.0      | 14.0                                 | 8.0                                  |

TOTAL NUMBER OF OBSERVATIONS 3

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: AUG HOURS: 00-02

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | .2                   | .2   |       |       |       |       |       |       |       |       |       | .4         | 4.3          | 4.5            |
| 020-040                | .3                   | .3   |       |       |       |       |       |       |       |       |       | .6         | 4.3          | 5.0            |
| 050-070                | 1.2                  | .8   |       |       |       |       |       |       |       |       |       | 1.9        | 4.4          | 4.0            |
| (E) 080-100            | 2.6                  | 2.5  | .5    | .1    |       |       |       |       |       |       |       | 5.7        | 5.2          | 5.0            |
| 110-130                | 14.2                 | 7.7  | 1.3   | .4    | .3    |       |       |       |       |       |       | 24.0       | 4.9          | 4.0            |
| 140-160                | 19.4                 | 7.5  | 1.0   | .2    |       |       |       |       |       |       |       | 28.1       | 4.1          | 4.0            |
| (S) 170-190            | 10.6                 | 3.3  | .5    |       |       |       |       |       |       |       |       | 14.5       | 3.7          | 3.0            |
| 200-220                | 2.4                  | .8   | .4    |       |       |       |       |       |       |       |       | 3.5        | 4.4          | 3.0            |
| 230-250                | .9                   | .1   | .1    |       |       |       |       |       |       |       |       | 1.1        | 4.0          | 3.0            |
| (W) 260-280            | .9                   | .3   |       |       |       |       |       |       |       |       |       | 1.2        | 3.5          | 3.0            |
| 290-310                | .1                   | .2   | .1    |       |       |       |       |       |       |       |       | .4         | 8.0          | 8.5            |
| 320-340                | .6                   | .5   |       |       |       |       |       |       |       |       |       | 1.2        | 4.5          | 4.0            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 17.3       | ////////     |                |
| TOTALS                 | 53.4                 | 24.2 | 3.9   | .7    | .3    |       |       |       |       |       |       | 100.0      | 3.6          | 4.0            |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: AUG HOURS: 03-05

| DIRECTION<br>(DEGREES)           | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|----------------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                                  | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010                      | .5                                   |      |       |       |       |       |       |       |       |       |       | .5         | 2.6          | 2.0            |
| 020-040                          | .3                                   | .3   |       |       |       |       |       |       |       |       |       | .6         | 3.8          | 4.0            |
| 050-070                          | .6                                   | .5   | .4    |       |       |       |       |       |       |       |       | 1.6        | 6.0          | 5.0            |
| (E) 080-100                      | 3.7                                  | 1.8  | .2    |       |       |       |       |       |       |       |       | 5.7        | 4.3          | 4.0            |
| 110-130                          | 16.1                                 | 8.3  | 1.7   | .1    |       |       |       |       |       |       |       | 26.2       | 4.5          | 4.0            |
| 140-160                          | 26.1                                 | 10.9 | .9    |       |       |       |       |       |       |       |       | 37.8       | 3.8          | 4.0            |
| (S) 170-190                      | 6.8                                  | 2.3  | .3    |       |       |       |       |       |       |       |       | 9.4        | 3.6          | 3.0            |
| 200-220                          | .5                                   | .2   |       |       |       |       |       |       |       |       |       | .8         | 3.7          | 3.0            |
| 230-250                          | 1.0                                  |      |       |       |       |       |       |       |       |       |       | 1.0        | 2.4          | 2.0            |
| (W) 260-280                      | .4                                   |      |       |       |       |       |       |       |       |       |       | .4         | 2.5          | 2.0            |
| 290-310                          |                                      | .1   |       |       |       |       |       |       |       |       |       | .1         | 7.0          | 7.0            |
| 320-340                          | .4                                   | .3   | .1    |       |       |       |       |       |       |       |       | .9         | 5.9          | 4.5            |
| VARIABLE                         |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                             | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 14.9       | ////////     |                |
| TOTALS                           | 56.4                                 | 24.7 | 3.6   | .1    |       |       |       |       |       |       |       | 100.0      | 3.5          | 4.0            |
| TOTAL NUMBER OF OBSERVATIONS 930 |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: AUG HOURS: 06-08

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND                     | MEDIAN<br>WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
|                        | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |                                  |                |
| (N) 350-010            | .2                                   |      |       |       |       |       |       |       |       |       |       | .2         | 2.5                              | 2.5            |
| 020-040                | .2                                   |      |       |       |       |       |       |       |       |       |       | .2         | 2.5                              | 2.5            |
| 050-070                | 1.0                                  | .8   |       |       |       |       |       |       |       |       |       | 1.7        | 4.4                              | 4.0            |
| (E) 080-100            | 3.3                                  | .4   | .1    |       |       |       |       |       |       |       |       | 3.9        | 3.1                              | 3.0            |
| 110-130                | 13.0                                 | 10.0 | 1.7   | .2    |       |       |       |       |       |       |       | 24.9       | 5.0                              | 4.0            |
| 140-160                | 24.9                                 | 14.8 | 1.2   |       |       |       |       |       |       |       |       | 41.0       | 4.3                              | 4.0            |
| (S) 170-190            | 6.6                                  | 2.9  |       |       |       |       |       |       |       |       |       | 9.5        | 3.7                              | 4.0            |
| 200-220                | 1.3                                  | .2   |       |       |       |       |       |       |       |       |       | 1.5        | 2.8                              | 2.0            |
| 230-250                | .4                                   |      |       |       |       |       |       |       |       |       |       | .4         | 2.5                              | 2.0            |
| (W) 260-280            | .2                                   |      |       |       |       |       |       |       |       |       |       | .2         | 3.0                              | 3.0            |
| 290-310                | .6                                   | .2   |       |       |       |       |       |       |       |       |       | .9         | 3.6                              | 3.0            |
| 320-340                | .8                                   | .2   | .2    |       |       |       |       |       |       |       |       | 1.2        | 4.7                              | 4.0            |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 14.4       | //////////////////////////////// |                |
| TOTALS                 | 52.5                                 | 29.5 | 3.2   | .2    |       |       |       |       |       |       |       | 100.0      | 3.7                              | 4.0            |

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: AUG HOURS: 09-11

| WIND SPEED IN KNOTS              |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
|----------------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| DIRECTION<br>(DEGREES)           | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
| (N) 350-010                      | 2.5                                  | .4   | .1    |       |       |       |       |       |       |       |       | 3.0        | 3.1          | 2.5            |
| 020-040                          | 2.0                                  | .1   |       |       |       |       |       |       |       |       |       | 2.2        | 2.9          | 3.0            |
| 050-070                          | 2.7                                  | .4   | .1    | .1    |       |       |       |       |       |       |       | 3.3        | 3.5          | 3.0            |
| (E) 080-100                      | 3.7                                  | 1.3  |       |       |       |       |       |       |       |       |       | 4.9        | 3.4          | 3.0            |
| 110-130                          | 6.5                                  | 4.0  | 3.5   | .2    |       |       |       |       |       |       |       | 14.2       | 6.3          | 5.5            |
| 140-160                          | 10.0                                 | 5.4  | 1.1   |       |       |       |       |       |       |       |       | 16.5       | 4.6          | 4.0            |
| (S) 170-190                      | 7.0                                  | 2.2  | .3    |       |       |       |       |       |       |       |       | 9.5        | 3.6          | 3.0            |
| 200-220                          | 4.1                                  | .9   |       |       |       |       |       |       |       |       |       | 4.9        | 3.3          | 3.0            |
| 230-250                          | 2.6                                  | .9   | .1    |       |       |       |       |       |       |       |       | 3.5        | 3.3          | 3.0            |
| (W) 260-280                      | 2.5                                  | .8   |       |       |       |       |       |       |       |       |       | 3.2        | 3.1          | 3.0            |
| 290-310                          | 4.1                                  | .8   |       |       |       |       |       |       |       |       |       | 4.8        | 3.0          | 3.0            |
| 320-340                          | 2.4                                  | 1.0  | .1    |       |       |       |       |       |       |       |       | 3.4        | 3.9          | 4.0            |
| VARIABLE                         |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                             | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 26.5       | //////////   |                |
| TOTALS                           | 50.1                                 | 18.2 | 5.3   | .3    |       |       |       |       |       |       |       | 100.0      | 3.1          | 3.0            |
| TOTAL NUMBER OF OBSERVATIONS 930 |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: AUG HOURS: 12-14

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | 3.9                                  | 1.1  | .1    |       |       |       |       |       |       |       |       | 5.1        | 4.0          | 3.0            |
| 020-040                | 2.2                                  | .9   | .1    |       |       |       |       |       |       |       |       | 3.1        | 4.0          | 4.0            |
| 050-070                | 1.7                                  | .9   | .1    |       |       |       |       |       |       |       |       | 2.7        | 4.4          | 4.0            |
| (E) 080-100            | 2.3                                  | 1.6  | .1    | .1    |       |       |       |       |       |       |       | 4.1        | 4.9          | 4.0            |
| 110-130                | 2.9                                  | 2.4  | .9    |       |       |       |       |       |       |       |       | 6.1        | 5.3          | 5.0            |
| 140-160                | 2.9                                  | 2.2  | .2    |       | .1    |       |       |       |       |       |       | 5.4        | 5.3          | 4.0            |
| (S) 170-190            | 3.3                                  | 1.8  | .2    | .1    |       |       |       |       |       |       |       | 5.5        | 4.5          | 4.0            |
| 200-220                | 4.0                                  | 2.0  | .6    |       |       |       |       |       |       |       |       | 6.7        | 4.8          | 4.0            |
| 230-250                | 4.7                                  | 2.5  | .3    |       |       |       |       |       |       |       |       | 7.5        | 4.2          | 4.0            |
| (W) 260-280            | 5.4                                  | 3.0  | .6    |       |       |       |       |       |       |       |       | 9.0        | 4.5          | 4.0            |
| 290-310                | 8.0                                  | 5.5  | .8    |       |       |       |       |       |       |       |       | 14.2       | 4.6          | 4.0            |
| 320-340                | 7.2                                  | 3.8  | .6    |       |       |       |       |       |       |       |       | 11.6       | 4.2          | 4.0            |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 19.0       | ////////     |                |
| TOTALS                 | 48.5                                 | 27.7 | 4.6   | .2    | .1    |       |       |       |       |       |       | 100.0      | 3.7          | 4.0            |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: AUG HOURS: 15-17

| DIRECTION<br>(DEGREES)           | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|----------------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                                  | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010                      | 2.7                  | 1.5  | .1    |       |       |       |       |       |       |       |       | 4.3        | 3.9          | 3.0            |
| 020-040                          | 1.7                  | 1.1  | .6    |       |       |       |       |       |       |       |       | 3.4        | 5.7          | 4.5            |
| 050-070                          | 1.9                  | 1.4  | 1.0   | .3    |       |       |       |       |       |       |       | 4.6        | 7.0          | 7.0            |
| (E) 080-100                      | 1.8                  | 1.4  | .9    | .1    |       |       |       |       |       |       |       | 4.2        | 6.3          | 5.0            |
| 110-130                          | 1.9                  | 2.7  | .8    |       |       |       |       |       |       |       |       | 5.4        | 6.1          | 6.0            |
| 140-160                          | 1.9                  | 1.7  | .8    | .2    |       | .1    |       |       |       |       |       | 4.7        | 6.7          | 6.0            |
| (S) 170-190                      | 2.0                  | 1.6  | 1.6   | .3    | .1    |       |       |       |       |       |       | 5.7        | 7.5          | 7.0            |
| 200-220                          | 1.9                  | 2.0  | 1.3   | .2    |       |       |       |       |       |       |       | 5.5        | 6.8          | 6.0            |
| 230-250                          | 5.8                  | 4.3  | .5    |       |       |       |       |       |       |       |       | 10.6       | 4.7          | 4.0            |
| (W) 260-280                      | 4.9                  | 5.8  | 1.0   | .1    |       |       |       |       |       |       |       | 11.8       | 5.4          | 5.0            |
| 290-310                          | 5.3                  | 8.5  | 1.4   | .2    |       |       |       |       |       |       |       | 15.4       | 5.8          | 6.0            |
| 320-340                          | 6.1                  | 5.7  | 2.2   | .4    |       |       |       |       |       |       |       | 14.4       | 5.9          | 5.0            |
| VARIABLE                         |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                             | //////////////////// |      |       |       |       |       |       |       |       |       |       | 9.9        | ////////     |                |
| TOTALS                           | 37.9                 | 37.7 | 12.2  | 1.8   | .1    | .1    |       |       |       |       |       | 100.0      | 5.3          | 5.0            |
| TOTAL NUMBER OF OBSERVATIONS 930 |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: AUG HOURS: 18-20

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | .9                                   | .6   |       |       |       |       |       |       |       |       |       | 1.5        | 3.9          | 3.5            |
| 020-040                | .6                                   | .9   | .4    |       | .1    |       |       |       |       |       |       | 2.0        | 7.2          | 6.0            |
| 050-070                | 2.3                                  | 3.0  | .9    | .1    |       |       |       |       |       |       |       | 6.2        | 6.3          | 6.0            |
| (E) 080-100            | 2.0                                  | 2.0  | .4    | .2    |       |       |       |       |       |       |       | 4.7        | 6.3          | 5.0            |
| 110-130                | 4.0                                  | 3.5  | .9    | .3    | .1    | .1    |       |       |       |       |       | 8.9        | 6.3          | 5.0            |
| 140-160                | 4.2                                  | 2.7  | .9    | .3    | .1    |       |       |       |       |       |       | 8.2        | 5.8          | 4.0            |
| (S) 170-190            | 2.6                                  | 4.4  | .6    |       |       |       |       |       |       |       |       | 7.6        | 5.4          | 5.0            |
| 200-220                | 2.9                                  | 2.4  | .6    |       |       |       |       |       |       |       |       | 5.9        | 5.3          | 5.0            |
| 230-250                | 3.9                                  | 2.2  | .6    |       |       |       |       |       |       |       |       | 6.7        | 4.9          | 4.0            |
| (W) 260-280            | 5.3                                  | 3.5  | .9    |       |       |       |       |       |       |       |       | 9.7        | 4.9          | 4.0            |
| 290-310                | 8.3                                  | 6.2  | 1.2   |       |       |       |       |       |       |       |       | 15.7       | 4.9          | 4.0            |
| 320-340                | 5.5                                  | 6.0  | 1.0   | .1    |       |       |       |       |       |       |       | 12.6       | 5.4          | 6.0            |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 10.2       | ////////     |                |
| TOTALS                 | 42.5                                 | 37.4 | 8.4   | 1.0   | .3    | .1    |       |       |       |       |       | 100.0      | 4.9          | 5.0            |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: AUG HOURS: 21-23

| DIRECTION<br>(DEGREES)           | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|----------------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                                  | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010                      | 1.1                                  | .3   |       |       |       |       |       |       |       |       |       | 1.4        | 3.6          | 4.0            |
| 020-040                          | 1.1                                  | .6   |       |       |       |       |       |       |       |       |       | 1.7        | 4.1          | 4.0            |
| 050-070                          | 2.0                                  | 1.0  | .2    | .2    |       |       |       |       |       |       |       | 3.4        | 5.1          | 4.0            |
| (E) 080-100                      | 4.2                                  | 2.9  | .9    | .2    |       |       |       |       |       |       |       | 8.2        | 5.4          | 4.0            |
| 110-130                          | 5.7                                  | 5.2  | 2.0   | .9    | .1    |       |       |       |       |       |       | 13.9       | 6.4          | 5.0            |
| 140-160                          | 11.5                                 | 4.7  | 1.2   | .1    |       |       |       |       |       |       |       | 17.5       | 4.5          | 4.0            |
| (S) 170-190                      | 9.2                                  | 4.2  | .5    |       |       |       |       |       |       |       |       | 14.0       | 4.1          | 4.0            |
| 200-220                          | 2.7                                  | .4   | .4    | .1    |       |       |       |       |       |       |       | 3.7        | 4.3          | 3.0            |
| 230-250                          | 4.4                                  | .8   |       |       |       |       |       |       |       |       |       | 5.2        | 2.9          | 2.0            |
| (W) 260-280                      | 4.6                                  | .8   | .1    |       |       |       |       |       |       |       |       | 5.5        | 3.2          | 3.0            |
| 290-310                          | 4.1                                  | 1.2  | .1    |       | .1    |       |       |       |       |       |       | 5.5        | 3.9          | 4.0            |
| 320-340                          | 1.4                                  | .5   | .1    |       |       |       |       |       |       |       |       | 2.0        | 4.2          | 3.0            |
| VARIABLE                         |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                             | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 18.1       | ////////     |                |
| TOTALS                           | 52.0                                 | 22.6 | 5.5   | 1.5   | .2    |       |       |       |       |       |       | 100.0      | 3.8          | 4.0            |
| TOTAL NUMBER OF OBSERVATIONS 930 |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: AUG HOURS: ALL

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|----------------|
|                        | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |       |              |                |
| (N) 350-010            | 1.5                  | .5   | .0    |       |       |       |       |       |       |       |       | 2.1   | 3.7          | 3.0            |
| 020-040                | 1.1                  | .5   | .1    |       | .0    |       |       |       |       |       |       | 1.7   | 4.7          | 4.0            |
| 050-070                | 1.7                  | 1.1  | .3    | .1    |       |       |       |       |       |       |       | 3.2   | 5.4          | 4.0            |
| (E) 080-100            | 2.9                  | 1.7  | .4    | .1    |       |       |       |       |       |       |       | 5.2   | 4.9          | 4.0            |
| 110-130                | 8.0                  | 5.5  | 1.6   | .3    | .1    | .0    |       |       |       |       |       | 15.5  | 5.3          | 4.0            |
| 140-160                | 12.6                 | 6.2  | .9    | .1    | .0    | .0    |       |       |       |       |       | 19.9  | 4.4          | 4.0            |
| (S) 170-190            | 6.0                  | 2.8  | .5    | .1    | .0    |       |       |       |       |       |       | 9.4   | 4.3          | 4.0            |
| 200-220                | 2.5                  | 1.1  | .4    | .0    |       |       |       |       |       |       |       | 4.1   | 4.8          | 4.0            |
| 230-250                | 3.0                  | 1.3  | .2    |       |       |       |       |       |       |       |       | 4.5   | 4.1          | 4.0            |
| (W) 260-280            | 3.0                  | 1.8  | .3    | .0    |       |       |       |       |       |       |       | 5.1   | 4.5          | 4.0            |
| 290-310                | 3.8                  | 2.8  | .4    | .0    | .0    |       |       |       |       |       |       | 7.1   | 4.8          | 4.0            |
| 320-340                | 3.1                  | 2.3  | .5    | .1    |       |       |       |       |       |       |       | 5.9   | 5.1          | 4.0            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |       |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 16.3  | ////////     |                |
| TOTALS                 | 49.2                 | 27.6 | 5.6   | .8    | .1    |       |       |       |       |       |       | 100.0 | 3.9          | 4.0            |

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: AUG HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       | TOTAL | MEAN             | MEDIAN |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------------|--------|
|                        | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |                  |        |
| (N) 350-010            |                      |      |       |       |       |       |       |       |       |       |       |                  |        |
| 020-040                |                      |      |       |       |       |       |       |       |       |       |       |                  |        |
| 050-070                |                      |      |       |       |       |       |       |       |       |       |       |                  |        |
| (E) 080-100            |                      |      |       |       |       |       |       |       |       |       |       |                  |        |
| 110-130                |                      | 25.0 |       |       |       |       |       |       |       |       | 25.0  | 6.0              | 6.0    |
| 140-160                |                      |      |       |       |       |       |       |       |       |       |       |                  |        |
| (S) 170-190            |                      |      |       |       | 25.0  |       |       |       |       |       | 25.0  | 20.0             | 20.0   |
| 200-220                |                      | 25.0 |       |       |       |       |       |       |       |       | 25.0  | 5.0              | 5.0    |
| 230-250                |                      |      |       |       |       |       |       |       |       |       |       |                  |        |
| (W) 260-280            |                      |      |       |       |       |       |       |       |       |       |       |                  |        |
| 290-310                |                      |      |       |       |       |       |       |       |       |       |       |                  |        |
| 320-340                |                      |      | 25.0  |       |       |       |       |       |       |       | 25.0  | 12.0             | 12.0   |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |                  |        |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       | .0    | //////////////// |        |
| TOTALS                 |                      | 50.0 | 25.0  |       | 25.0  |       |       |       |       |       | 100.0 | 10.8             | 9.0    |

TOTAL NUMBER OF OBSERVATIONS 4

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: SEP HOURS: 00-02

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | .1                                   | .1   |       |       |       |       |       |       |       |       |       | .2         | 4.0          | 4.0            |
| 020-040                | .4                                   | .1   |       |       |       |       |       |       |       |       |       | .6         | 3.4          | 3.0            |
| 050-070                | .7                                   | 1.8  | .3    | .1    |       |       |       |       |       |       |       | 2.9        | 6.5          | 6.0            |
| (E) 080-100            | 4.1                                  | 2.7  | .9    |       |       |       |       |       |       |       |       | 7.7        | 5.0          | 4.0            |
| 110-130                | 17.1                                 | 9.3  | 1.9   | .3    | .1    |       |       |       |       |       |       | 28.8       | 4.7          | 4.0            |
| 140-160                | 27.3                                 | 6.8  | .7    | .1    |       |       |       |       |       |       |       | 34.9       | 3.7          | 4.0            |
| (S) 170-190            | 6.7                                  | 1.3  | .1    |       |       |       |       |       |       |       |       | 8.1        | 3.1          | 3.0            |
| 200-220                | 1.6                                  | .6   |       |       |       |       |       |       |       |       |       | 2.1        | 3.3          | 2.0            |
| 230-250                | .8                                   | .3   |       |       |       |       |       |       |       |       |       | 1.1        | 3.3          | 3.0            |
| (W) 260-280            | .4                                   | .1   | .1    |       |       |       |       |       |       |       |       | .7         | 4.2          | 2.0            |
| 290-310                | .2                                   |      |       |       |       |       |       |       |       |       |       | .2         | 1.5          | 1.5            |
| 320-340                | .1                                   | .1   |       |       |       |       |       |       |       |       |       | .2         | 3.5          | 3.5            |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 12.6       | ////////     |                |
| TOTALS                 | 59.5                                 | 23.2 | 4.0   | .5    | .1    |       |       |       |       |       |       | 100.0      | 3.6          | 4.0            |

TOTAL NUMBER OF OBSERVATIONS 900



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: SEP HOURS: 03-05

| DIRECTION<br>(DEGREES)           | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND                     | MEDIAN<br>WIND |
|----------------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
|                                  | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65      |                                  |                |
| (N) 350-010                      |                                      |      |       |       |       |       |       |       |       |       |            |                                  |                |
| 020-040                          | .4                                   |      |       |       |       |       |       |       |       |       | .4         | 3.0                              | 3.0            |
| 050-070                          | 1.2                                  | .4   | .1    | .1    | .1    |       |       |       |       |       | 2.0        | 5.9                              | 4.0            |
| (E) 080-100                      | 3.6                                  | 3.6  | .3    | .1    |       |       |       |       |       |       | 7.6        | 5.2                              | 5.0            |
| 110-130                          | 19.3                                 | 12.8 | 1.4   | .4    |       |       |       |       |       |       | 34.0       | 4.8                              | 4.0            |
| 140-160                          | 27.2                                 | 7.9  | .6    |       |       |       |       |       |       |       | 35.7       | 3.6                              | 3.0            |
| (S) 170-190                      | 4.0                                  | 1.7  |       |       |       |       |       |       |       |       | 5.7        | 3.6                              | 4.0            |
| 200-220                          | .9                                   | .2   |       |       |       |       |       |       |       |       | 1.1        | 3.1                              | 3.0            |
| 230-250                          | .4                                   |      |       |       |       |       |       |       |       |       | .4         | 2.8                              | 2.5            |
| (W) 260-280                      | .1                                   | .1   |       |       |       |       |       |       |       |       | .2         | 3.5                              | 3.5            |
| 290-310                          | .1                                   | .1   |       |       |       |       |       |       |       |       | .2         | 5.5                              | 5.5            |
| 320-340                          | .1                                   |      |       |       |       |       |       |       |       |       | .3         | 2.7                              | 2.0            |
| VARIABLE                         |                                      |      |       |       |       |       |       |       |       |       |            |                                  |                |
| CPLM                             | //////////////////////////////////// |      |       |       |       |       |       |       |       |       | 12.3       | //////////////////////////////// |                |
| TOTALS                           | 57.5                                 | 26.8 | 2.4   | .6    | .1    |       |       |       |       |       | 100.0      | 3.7                              | 4.0            |
| TOTAL NUMBER OF OBSERVATIONS 900 |                                      |      |       |       |       |       |       |       |       |       |            |                                  |                |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: SEP HOURS: 06-08

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| 020-040                | .2                   | .2   |       |       |       |       |       |       |       |       |       | .4         | 3.5          | 3.5            |
| 050-070                | .3                   | 1.1  |       |       |       |       |       |       |       |       |       | 1.4        | 6.1          | 7.0            |
| (E) 080-100            | 2.7                  | 3.4  | .6    | .1    |       |       |       |       |       |       |       | 6.8        | 5.6          | 5.0            |
| 110-130                | 13.8                 | 13.1 | 2.1   | .4    |       |       |       |       |       |       |       | 29.4       | 5.2          | 5.0            |
| 140-160                | 24.4                 | 15.0 | .8    |       |       |       |       |       |       |       |       | 40.2       | 4.1          | 4.0            |
| (S) 170-190            | 4.1                  | 2.3  | .2    |       |       |       |       |       |       |       |       | 6.7        | 4.2          | 4.0            |
| 200-220                | .4                   | .3   | .1    |       |       |       |       |       |       |       |       | .9         | 4.3          | 3.5            |
| 230-250                | .2                   | .1   | .1    |       |       |       |       |       |       |       |       | .4         | 5.3          | 4.5            |
| (W) 260-280            | .1                   |      |       |       |       |       |       |       |       |       |       | .1         | 1.0          | 1.0            |
| 290-310                | .3                   | .1   |       |       |       |       |       |       |       |       |       | .4         | 3.5          | 2.0            |
| 320-340                | .1                   |      |       |       |       |       |       |       |       |       |       | .1         | 1.0          | 1.0            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 13.0       | ////////     |                |
| TOTALS                 | 46.6                 | 35.6 | 3.9   | .5    |       |       |       |       |       |       |       | 100.0      | 4.0          | 4.0            |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: SEP HOURS: 09-11

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | .8                   |      |       |       |       |       |       |       |       |       |       | .8         | 2.3          | 2.0            |
| 020-040                | 1.1                  | .2   |       |       |       |       |       |       |       |       |       | 1.3        | 3.3          | 3.0            |
| 050-070                | 1.4                  | 1.2  | .4    |       |       |       |       |       |       |       |       | 3.1        | 5.3          | 5.5            |
| (E) 080-100            | 3.0                  | 1.7  | 1.0   | .3    | .2    |       |       |       |       |       |       | 6.2        | 6.6          | 5.0            |
| 110-130                | 6.8                  | 6.1  | 3.9   | 2.0   | .2    |       |       |       |       |       |       | 19.0       | 7.5          | 6.0            |
| 140-160                | 11.3                 | 5.9  | 2.3   | .7    |       |       |       |       |       |       |       | 20.2       | 5.2          | 4.0            |
| (S) 170-190            | 8.0                  | 3.4  | .9    | .1    |       |       |       |       |       |       |       | 12.4       | 4.5          | 4.0            |
| 200-220                | 3.3                  | 2.2  | .4    |       |       |       |       |       |       |       |       | 6.0        | 5.0          | 4.0            |
| 230-250                | 2.2                  | .8   | .1    |       |       |       |       |       |       |       |       | 3.1        | 3.6          | 3.0            |
| (W) 260-280            | 1.9                  | .3   |       |       |       |       |       |       |       |       |       | 2.2        | 2.8          | 2.5            |
| 290-310                | 2.9                  | .7   | .2    |       |       |       |       |       |       |       |       | 3.8        | 3.6          | 3.0            |
| 320-340                | .8                   | .6   |       |       |       |       |       |       |       |       |       | 1.3        | 4.2          | 4.0            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 20.4       | ////////     |                |
| TOTALS                 | 43.5                 | 23.1 | 9.2   | 3.1   | .4    |       |       |       |       |       |       | 100.0      | 4.3          | 4.0            |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: SEP HOURS: 12-14

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND                     | MEDIAN<br>WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
|                        | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |                                  |                |
| (N) 350-010            | 3.8                                  | .7   |       |       |       |       |       |       |       |       |       | 4.4        | 3.2                              | 2.5            |
| 020-040                | 2.2                                  | .7   | .1    |       |       |       |       |       |       |       |       | 3.0        | 3.7                              | 3.0            |
| 050-070                | 2.2                                  | 1.2  | .8    |       |       |       |       |       |       |       |       | 4.2        | 5.5                              | 4.0            |
| (E) 080-100            | 1.6                                  | 1.8  | .8    |       |       |       |       |       |       |       |       | 4.1        | 6.6                              | 6.0            |
| 110-130                | 1.2                                  | 3.9  | 3.2   | .9    | .6    |       |       |       |       |       |       | 9.8        | 9.5                              | 9.0            |
| 140-160                | 1.9                                  | 3.0  | 1.6   |       | .1    |       |       |       |       |       |       | 6.6        | 7.0                              | 7.0            |
| (S) 170-190            | 1.7                                  | 3.3  | 1.3   | .1    |       |       |       |       |       |       |       | 6.4        | 6.8                              | 6.0            |
| 200-220                | 4.3                                  | 4.3  | 1.3   | .2    |       |       |       |       |       |       |       | 10.2       | 5.9                              | 6.0            |
| 230-250                | 4.6                                  | 3.0  | 1.0   | .3    |       |       |       |       |       |       |       | 8.9        | 5.3                              | 4.0            |
| (W) 260-280            | 5.6                                  | 4.2  | .9    |       |       |       |       |       |       |       |       | 10.7       | 5.0                              | 4.0            |
| 290-310                | 6.0                                  | 3.9  | .7    |       |       |       |       |       |       |       |       | 10.6       | 4.7                              | 4.0            |
| 320-340                | 7.0                                  | 3.9  | .7    |       |       |       |       |       |       |       |       | 11.6       | 4.6                              | 4.0            |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 9.6        | //////////////////////////////// |                |
| TOTALS                 | 42.1                                 | 33.9 | 12.4  | 1.5   | .7    |       |       |       |       |       |       | 100.0      | 5.2                              | 5.0            |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: SEP HOURS: 15-17

| DIRECTION<br>(DEGREES)           | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND                     | MEDIAN<br>WIND |
|----------------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
|                                  | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |                                  |                |
| (N) 350-010                      | 2.0                                  | 1.3  | .2    |       |       |       |       |       |       |       |       | 3.6        | 4.7                              | 4.0            |
| 020-040                          | .8                                   | .8   | .6    | .1    |       |       |       |       |       |       |       | 2.2        | 6.9                              | 5.5            |
| 050-070                          | .8                                   | 2.2  | .7    | .6    |       |       |       |       |       |       |       | 4.2        | 8.4                              | 8.0            |
| (E) 080-100                      | 1.2                                  | 3.2  | 1.1   | .1    |       |       |       |       |       |       |       | 5.7        | 7.2                              | 7.0            |
| 110-130                          | 1.3                                  | 2.4  | 2.3   | .4    |       |       |       |       |       |       |       | 6.6        | 8.6                              | 8.0            |
| 140-160                          | 1.7                                  | 1.6  | .6    | .3    | .1    |       |       |       |       |       |       | 4.2        | 6.8                              | 6.0            |
| (S) 170-190                      | 1.2                                  | 2.1  | .7    |       |       |       |       |       |       |       |       | 4.0        | 6.4                              | 7.0            |
| 200-220                          | 2.3                                  | 5.1  | 1.7   | .2    |       |       |       |       |       |       |       | 9.3        | 6.7                              | 6.5            |
| 230-250                          | 2.9                                  | 5.8  | 2.1   | .2    |       |       |       |       |       |       |       | 11.0       | 6.8                              | 6.0            |
| (W) 260-280                      | 4.9                                  | 5.4  | 1.0   | .1    |       |       |       |       |       |       |       | 11.4       | 5.5                              | 5.0            |
| 290-310                          | 7.9                                  | 7.4  | 1.6   | .1    |       |       |       |       |       |       |       | 17.0       | 5.6                              | 5.0            |
| 320-340                          | 4.2                                  | 7.4  | 1.8   | .4    |       |       |       |       |       |       |       | 13.9       | 6.5                              | 6.0            |
| VARIABLE                         |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                             | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 6.9        | //////////////////////////////// |                |
| TOTALS                           | 31.2                                 | 44.7 | 14.4  | 2.5   | .1    |       |       |       |       |       |       | 100.0      | 6.0                              | 6.0            |
| TOTAL NUMBER OF OBSERVATIONS 900 |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: SEP HOURS: 18-20

| DIRECTION<br>(DEGREES)           | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|----------------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                                  | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010                      | .9                   | .7   |       |       |       |       |       |       |       |       |       | 1.6        | 4.3          | 3.0            |
| 020-040                          | .9                   | .8   | .3    |       |       |       |       |       |       |       |       | 2.0        | 5.3          | 5.0            |
| 050-070                          | 1.9                  | 1.9  | .8    | .1    | .3    |       |       |       |       |       |       | 5.0        | 7.3          | 6.0            |
| (E) 080-100                      | 1.9                  | 3.0  | .7    | .1    |       |       |       |       |       |       |       | 5.7        | 6.2          | 6.0            |
| 110-130                          | 2.4                  | 3.1  | 2.2   | .8    |       |       |       |       |       |       |       | 8.6        | 7.5          | 7.0            |
| 140-160                          | 2.4                  | 1.3  | .4    | .2    | .1    |       |       |       |       |       |       | 4.6        | 5.9          | 4.0            |
| (S) 170-190                      | 2.3                  | .9   | .7    | .1    |       |       |       |       |       |       |       | 4.0        | 5.6          | 4.0            |
| 200-220                          | 2.3                  | 1.6  | .4    |       | .2    |       |       |       |       |       |       | 4.6        | 5.9          | 4.0            |
| 230-250                          | 4.7                  | 2.7  | .7    |       |       |       |       |       |       |       |       | 8.0        | 4.6          | 4.0            |
| (W) 260-280                      | 5.2                  | 4.1  | .3    |       |       |       |       |       |       |       |       | 9.7        | 4.6          | 4.0            |
| 290-310                          | 11.1                 | 10.4 | 1.2   |       |       |       |       |       |       |       |       | 22.8       | 4.8          | 5.0            |
| 320-340                          | 5.2                  | 5.0  | .7    |       |       |       |       |       |       |       |       | 10.9       | 5.1          | 5.0            |
| VARIABLE                         |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                             | //////////////////// |      |       |       |       |       |       |       |       |       |       | 12.8       | ////////     |                |
| TOTALS                           | 41.2                 | 35.5 | 8.4   | 1.3   | .6    |       |       |       |       |       |       | 100.0      | 4.8          | 5.0            |
| TOTAL NUMBER OF OBSERVATIONS 900 |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION ABE: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: SEP HOURS: 21-23

| DIRECTION<br>(DEGREES)           | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|----------------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                                  | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010                      | .3                   | .2   | .1    |       |       |       |       |       |       |       |       | .7         | 5.2          | 5.0            |
| 020-040                          | .7                   | .2   |       |       |       |       |       |       |       |       |       | .9         | 2.8          | 2.0            |
| 050-070                          | 1.3                  | 1.7  | .3    | .1    |       |       | .1    |       |       |       |       | 3.6        | 6.7          | 6.0            |
| (E) 080-100                      | 3.6                  | 1.8  | .7    | .2    | .1    |       |       |       |       |       |       | 6.3        | 5.5          | 4.0            |
| 110-130                          | 9.1                  | 5.4  | 2.4   | .6    |       |       |       |       |       |       |       | 17.6       | 5.6          | 4.0            |
| 140-160                          | 13.8                 | 3.0  | .3    |       |       |       |       |       |       |       |       | 17.1       | 3.5          | 3.0            |
| (S) 170-190                      | 10.9                 | 1.1  | .1    |       |       |       |       |       |       |       |       | 12.1       | 3.0          | 3.0            |
| 200-220                          | 4.2                  | .6   | .4    |       |       |       |       |       |       |       |       | 5.2        | 3.7          | 3.0            |
| 230-250                          | 3.0                  | .6   |       |       |       |       |       |       |       |       |       | 3.6        | 3.2          | 2.0            |
| (W) 260-280                      | 4.2                  | .7   |       |       |       |       |       |       |       |       |       | 4.9        | 3.0          | 3.0            |
| 290-310                          | 4.1                  | 1.2  | .2    |       |       |       |       |       |       |       |       | 5.6        | 4.1          | 4.0            |
| 320-340                          | .9                   | .2   | .1    |       |       |       |       |       |       |       |       | 1.2        | 3.9          | 3.0            |
| VARIABLE                         |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                             | //////////////////// |      |       |       |       |       |       |       |       |       |       | 21.3       | ////////     |                |
| TOTALS                           | 56.1                 | 16.7 | 4.6   | .9    | .1    |       | .1    |       |       |       |       | 100.0      | 3.3          | 3.0            |
| TOTAL NUMBER OF OBSERVATIONS 900 |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: SEP HOURS: ALL

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND                     | MEDIAN<br>WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
|                        | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |                                  |                |
| (N) 350-010            | 1.0                                  | .4   | .0    |       |       |       |       |       |       |       |       | 1.4        | 3.9                              | 4.0            |
| 020-040                | .8                                   | .4   | .1    | .0    |       |       |       |       |       |       |       | 1.4        | 4.5                              | 4.0            |
| 050-070                | 1.2                                  | 1.4  | .4    | .1    | .1    |       | .0    |       |       |       |       | 3.3        | 6.6                              | 6.0            |
| (E) 080-100            | 2.7                                  | 2.6  | .8    | .1    | .0    |       |       |       |       |       |       | 6.2        | 5.9                              | 5.0            |
| 110-130                | 8.9                                  | 7.0  | 2.4   | .7    | .1    |       |       |       |       |       |       | 19.2       | 5.9                              | 5.0            |
| 140-160                | 13.8                                 | 5.6  | .9    | .2    | .0    |       |       |       |       |       |       | 20.4       | 4.2                              | 4.0            |
| (S) 170-190            | 4.9                                  | 2.0  | .5    | .0    |       |       |       |       |       |       |       | 7.4        | 4.3                              | 4.0            |
| 200-220                | 2.4                                  | 1.9  | .6    | .1    | .0    |       |       |       |       |       |       | 4.9        | 5.4                              | 5.0            |
| 230-250                | 2.3                                  | 1.7  | .5    | .1    |       |       |       |       |       |       |       | 4.6        | 5.2                              | 4.0            |
| (W) 260-280            | 2.8                                  | 1.9  | .3    | .0    |       |       |       |       |       |       |       | 5.0        | 4.6                              | 4.0            |
| 290-310                | 4.1                                  | 3.0  | .5    | .0    |       |       |       |       |       |       |       | 7.6        | 4.9                              | 4.0            |
| 320-340                | 2.3                                  | 2.2  | .4    | .1    |       |       |       |       |       |       |       | 4.9        | 5.3                              | 5.0            |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 13.6       | //////////////////////////////// |                |
| TOTALS                 | 47.2                                 | 30.1 | 7.4   | 1.4   | .2    |       |       |       |       |       |       | 100.0      | 4.4                              | 4.0            |

TOTAL NUMBER OF OBSERVATIONS 7200



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: SEP HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

| DIRECTION  <br>(DEGREES) | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       | TOTAL | MEAN                             | MEDIAN |
|--------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------------------|--------|
|                          | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |       |                                  |        |
|                          |                                      |      |       |       |       |       |       |       |       |       |       | %     | WIND                             | WIND   |
| (N) 350-010              |                                      |      |       |       |       |       |       |       |       |       |       |       |                                  |        |
| 020-040                  | 7.1                                  |      |       |       |       |       |       |       |       |       |       | 7.1   | 2.0                              | 2.0    |
| 050-070                  |                                      | 7.1  |       |       |       |       |       |       |       |       |       | 7.1   | 6.0                              | 6.0    |
| (E) 080-100              | 14.3                                 |      |       |       |       |       |       |       |       |       |       | 14.3  | 3.5                              | 3.5    |
| 110-130                  |                                      |      |       |       |       |       |       |       |       |       |       |       |                                  |        |
| 140-160                  |                                      | 7.1  |       |       |       |       |       |       |       |       |       | 7.1   | 5.0                              | 5.0    |
| (S) 170-190              |                                      | 7.1  |       |       |       |       |       |       |       |       |       | 7.1   | 7.0                              | 7.0    |
| 200-220                  |                                      | 14.3 |       |       |       | 7.1   |       |       |       |       |       | 21.4  | 12.7                             | 9.0    |
| 230-250                  |                                      |      |       |       |       |       |       |       |       |       |       |       |                                  |        |
| (W) 260-280              |                                      |      | 7.1   |       |       |       |       |       |       |       |       | 7.1   | 10.0                             | 10.0   |
| 290-310                  | 14.3                                 |      |       |       |       |       |       |       |       |       |       | 14.3  | 3.0                              | 3.0    |
| 320-340                  | 7.1                                  |      |       |       |       |       |       |       |       |       |       | 7.1   | 2.0                              | 2.0    |
| VARIABLE                 |                                      |      |       |       |       |       |       |       |       |       |       |       |                                  |        |
| CALM                     | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 7.1   | //////////////////////////////// |        |
| TOTALS                   | 42.8                                 | 35.6 | 7.1   |       | 7.1   |       |       |       |       |       |       | 100.0 | 5.9                              | 5.0    |

TOTAL NUMBER OF OBSERVATIONS 14

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: OCT HOURS: 00-02

|                        |  | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
|------------------------|--|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
| DIRECTION<br>(DEGREES) |  | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | TOTAL<br>% | MEAN<br>WIND                     | MEDIAN<br>WIND |
| (N) 350-010            |  | .4                                   |      |       |       |       |       |       |       |       |       |       | .4         | 3.3                              | 3.5            |
| 020-040                |  | .2                                   | .2   |       |       |       |       |       |       |       |       |       | .4         | 5.0                              | 5.0            |
| 050-070                |  | .5                                   | 1.1  |       |       |       |       |       |       |       |       |       | 1.6        | 5.3                              | 5.0            |
| (E) 080-100            |  | 4.3                                  | 2.6  | .3    |       |       |       |       |       |       |       |       | 7.2        | 4.5                              | 4.0            |
| 110-130                |  | 20.9                                 | 9.8  | 1.2   | .3    |       |       |       |       |       |       |       | 32.2       | 4.4                              | 4.0            |
| 140-160                |  | 31.5                                 | 8.7  | .1    |       |       |       |       |       |       |       |       | 40.3       | 3.6                              | 4.0            |
| (S) 170-190            |  | 4.6                                  | 1.3  | .1    |       |       |       |       |       |       |       |       | 6.0        | 3.6                              | 3.0            |
| 200-220                |  | 1.2                                  | .6   |       |       |       |       |       |       |       |       |       | 1.8        | 3.8                              | 4.0            |
| 230-250                |  | 1.0                                  | .5   |       |       |       |       |       |       |       |       |       | 1.5        | 4.4                              | 4.0            |
| (W) 260-280            |  | .4                                   | .2   | .1    |       |       |       |       |       |       |       |       | .8         | 4.3                              | 4.0            |
| 290-310                |  | .1                                   | .2   |       |       |       |       |       |       |       |       |       | .3         | 5.7                              | 6.0            |
| 320-340                |  |                                      | .1   |       |       |       |       |       |       |       |       |       | .1         | 5.0                              | 5.0            |
|                        |  |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| VARIABLE               |  |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                   |  | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 7.3        | //////////////////////////////// |                |
| TOTALS                 |  | 65.1                                 | 25.3 | 1.8   | .3    |       |       |       |       |       |       |       | 100.0      | 3.7                              | 4.0            |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: OCT HOURS: 03-05

| WIND SPEED IN KNOTS    |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| DIRECTION<br>(DEGREES) | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
| (N) 350-010            | .1                                   |      |       |       |       |       |       |       |       |       |       | .1         | 2.0          | 2.0            |
| 020-040                | .1                                   |      |       |       |       |       |       |       |       |       |       | .1         | 2.0          | 2.0            |
| 050-070                | 1.2                                  | .2   | .1    |       |       |       |       |       |       |       |       | 1.5        | 3.7          | 3.0            |
| (E) 080-100            | 3.9                                  | 2.7  | .8    | .1    |       |       |       |       |       |       |       | 7.4        | 4.9          | 4.0            |
| 110-130                | 21.3                                 | 10.3 | 2.0   | .1    | .1    |       |       |       |       |       |       | 33.9       | 4.6          | 4.0            |
| 140-160                | 28.9                                 | 11.0 | .2    |       |       |       |       |       |       |       |       | 40.1       | 3.9          | 4.0            |
| (S) 170-190            | 3.3                                  | .4   | .2    | .1    |       |       |       |       |       |       |       | 4.1        | 3.9          | 3.0            |
| 200-220                | .3                                   |      | .2    | .1    |       |       |       |       |       |       |       | .6         | 7.3          | 6.5            |
| 230-250                | .4                                   | .1   |       |       |       |       |       |       |       |       |       | .5         | 3.6          | 4.0            |
| (W) 260-280            | .4                                   | .1   | .1    |       |       |       |       |       |       |       |       | .6         | 4.2          | 2.5            |
| 290-310                | .2                                   | .6   | .1    |       |       |       |       |       |       |       |       | 1.0        | 6.3          | 6.0            |
| 320-340                | .4                                   | .3   | .1    |       |       |       |       |       |       |       |       | .9         | 5.5          | 5.0            |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 9.1        | //////////   |                |
| TOTALS                 | 60.5                                 | 25.7 | 3.8   | .4    | .1    |       |       |       |       |       |       | 100.0      | 3.9          | 4.0            |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: OCT HOURS: 06-08

| DIRECTION<br>(DEGREES)           | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|----------------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                                  | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010                      | .1                                   |      |       |       |       |       |       |       |       |       |       | .1         | 4.0          | 4.0            |
| 020-040                          |                                      | .2   |       |       |       |       |       |       |       |       |       | .2         | 6.0          | 6.0            |
| 050-070                          | .4                                   | .6   | .1    |       |       |       |       |       |       |       |       | 1.2        | 6.1          | 6.0            |
| (E) 080-100                      | 2.6                                  | 2.4  | .4    | .2    |       |       |       |       |       |       |       | 5.6        | 5.3          | 5.0            |
| 110-130                          | 14.8                                 | 11.2 | 1.9   | .2    |       |       |       |       |       |       |       | 28.2       | 4.9          | 4.0            |
| 140-160                          | 28.0                                 | 19.6 | 1.1   |       |       |       |       |       |       |       |       | 48.6       | 4.4          | 4.0            |
| (S) 170-190                      | 2.8                                  | 1.4  | .1    |       |       |       |       |       |       |       |       | 4.3        | 4.1          | 4.0            |
| 200-220                          | .4                                   | .3   |       | .1    |       |       |       |       |       |       |       | .9         | 5.8          | 4.5            |
| 230-250                          | .4                                   |      |       |       |       |       |       |       |       |       |       | .4         | 2.3          | 2.5            |
| (W) 260-280                      | .3                                   |      |       |       |       |       |       |       |       |       |       | .3         | 2.3          | 2.0            |
| 290-310                          | .8                                   | .3   | .2    |       |       |       |       |       |       |       |       | 1.3        | 5.3          | 4.0            |
| 320-340                          | .1                                   | .2   |       |       |       |       |       |       |       |       |       | .3         | 5.0          | 5.0            |
| VARIABLE                         |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                             | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 8.6        | ////////     |                |
| TOTALS                           | 50.7                                 | 36.2 | 3.8   | .5    |       |       |       |       |       |       |       | 100.0      | 4.3          | 4.0            |
| TOTAL NUMBER OF OBSERVATIONS 930 |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: OCT HOURS: 09-11

| DIRECTION<br>(DEGREES)           | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|----------------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                                  | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010                      | 2.3                  | .1   |       |       |       |       |       |       |       |       |       | 2.4        | 2.7          | 2.0            |
| 020-040                          | .9                   | .5   | .2    |       |       |       |       |       |       |       |       | 1.6        | 4.9          | 3.0            |
| 050-070                          | 2.2                  | 1.2  | .3    |       |       |       |       |       |       |       |       | 3.7        | 4.8          | 4.0            |
| (E) 080-100                      | 3.2                  | 2.5  | .5    |       | .1    |       |       |       |       |       |       | 6.3        | 5.2          | 4.0            |
| 110-130                          | 6.1                  | 6.2  | 3.8   | 1.1   | .2    |       |       |       |       |       |       | 17.4       | 7.0          | 6.0            |
| 140-160                          | 12.0                 | 8.8  | .8    | .1    |       |       |       |       |       |       |       | 21.7       | 4.6          | 4.0            |
| (S) 170-190                      | 8.3                  | 3.8  | 1.2   |       |       |       |       |       |       |       |       | 13.2       | 4.4          | 4.0            |
| 200-220                          | 3.5                  | 1.7  | .6    | .2    | .1    |       |       |       |       |       |       | 6.2        | 5.5          | 4.0            |
| 230-250                          | 1.8                  | .6   | .1    |       |       |       |       |       |       |       |       | 2.6        | 3.8          | 3.0            |
| (W) 260-280                      | 1.3                  | .8   | .1    | .2    |       |       |       |       |       |       |       | 2.4        | 5.5          | 4.0            |
| 290-310                          | 1.7                  | 1.0  |       |       |       |       |       |       |       |       |       | 2.7        | 3.9          | 4.0            |
| 320-340                          | 2.2                  | 1.1  | .1    |       |       |       |       |       |       |       |       | 3.3        | 4.0          | 3.0            |
| VARIABLE                         |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                             | //////////////////// |      |       |       |       |       |       |       |       |       |       | 16.5       | ////////     |                |
| TOTALS                           | 45.5                 | 28.3 | 7.7   | 1.6   | .4    |       |       |       |       |       |       | 100.0      | 4.3          | 4.0            |
| TOTAL NUMBER OF OBSERVATIONS 930 |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: OCT HOURS: 12-14

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | 3.5                  | 1.0  |       |       |       |       |       |       |       |       |       | 4.5        | 3.4          | 4.0            |
| 020-040                | 3.2                  | 1.0  | .3    |       |       |       |       |       |       |       |       | 4.5        | 4.1          | 3.5            |
| 050-070                | 2.3                  | 2.6  | .4    |       |       |       |       |       |       |       |       | 5.3        | 5.3          | 5.0            |
| (E) 080-100            | 2.6                  | 1.3  | .8    | .1    | .1    |       |       |       |       |       |       | 4.8        | 6.0          | 4.0            |
| 110-130                | 3.2                  | 2.9  | 1.5   | .3    |       |       |       |       |       |       |       | 8.0        | 6.6          | 5.5            |
| 140-160                | 3.1                  | 1.3  | .6    |       |       |       |       |       |       |       |       | 5.1        | 5.1          | 4.0            |
| (S) 170-190            | 1.6                  | 2.5  | .9    | .2    |       |       |       |       |       |       |       | 5.2        | 6.4          | 5.5            |
| 200-220                | .9                   | 2.7  | 2.9   | .8    | .2    |       |       |       |       |       |       | 9.5        | 8.3          | 8.0            |
| 230-250                | 3.0                  | 2.5  | 1.1   | .2    | .1    |       |       |       |       |       |       | 6.9        | 6.2          | 5.0            |
| (W) 260-280            | 5.2                  | 3.1  | .6    | .1    |       |       |       |       |       |       |       | 9.0        | 4.7          | 4.0            |
| 290-310                | 5.1                  | 4.6  | .4    | .1    |       |       |       |       |       |       |       | 10.2       | 5.0          | 5.0            |
| 320-340                | 7.0                  | 3.4  | .8    |       |       |       |       |       |       |       |       | 11.2       | 4.7          | 4.0            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 15.9       | ////////     |                |
| TOTALS                 | 42.7                 | 28.9 | 10.3  | 1.8   | .4    |       |       |       |       |       |       | 100.0      | 4.7          | 4.0            |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: OCT HOURS: 15-17

| DIRECTION<br>(DEGREES)           | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|----------------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                                  | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010                      | 3.1                                  | 1.4  |       |       |       |       |       |       |       |       |       | 4.5        | 4.0          | 4.0            |
| 020-040                          | 1.6                                  | 1.3  | .1    |       |       |       |       |       |       |       |       | 3.0        | 4.9          | 4.0            |
| 050-070                          | 1.6                                  | 2.2  | 1.0   | .3    |       |       |       |       |       |       |       | 5.1        | 6.9          | 6.0            |
| (E) 080-100                      | 1.3                                  | 1.9  | .6    | .1    |       |       |       |       |       |       |       | 4.0        | 6.6          | 6.0            |
| 110-130                          | .8                                   | .6   | 1.1   | .1    |       |       |       |       |       |       |       | 2.6        | 7.8          | 9.0            |
| 140-160                          | .9                                   | 1.3  | .3    |       | .1    |       |       |       |       |       |       | 2.6        | 6.7          | 6.5            |
| (S) 170-190                      | 1.2                                  | 1.3  | 1.4   | .1    |       |       |       |       |       |       |       | 4.0        | 7.6          | 5.5            |
| 200-220                          | 1.3                                  | 3.0  | 3.3   | .4    | .1    |       |       |       |       |       |       | 8.2        | 8.7          | 8.5            |
| 230-250                          | 2.7                                  | 3.8  | 2.0   | .4    |       |       |       |       |       |       |       | 8.9        | 7.0          | 6.0            |
| (W) 260-280                      | 4.4                                  | 4.1  | 1.2   | .3    |       |       |       |       |       |       |       | 10.0       | 5.9          | 5.0            |
| 290-310                          | 6.2                                  | 11.7 | 2.2   | .1    |       |       |       |       |       |       |       | 20.2       | 6.0          | 6.0            |
| 320-340                          | 5.6                                  | 9.2  | 2.4   | .1    |       |       |       |       |       |       |       | 17.3       | 6.2          | 6.0            |
| VARIABLE                         |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                             | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 9.7        | ////////     |                |
| TOTALS                           | 30.7                                 | 41.8 | 15.6  | 1.9   | .2    |       |       |       |       |       |       | 100.0      | 5.8          | 6.0            |
| TOTAL NUMBER OF OBSERVATIONS 930 |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: OCT HOURS: 18-20

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND                     | MEDIAN<br>WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
|                        | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |                                  |                |
| (N) 350-010            | 2.2                                  | .3   |       |       |       |       |       |       |       |       |       | 2.5        | 2.8                              | 2.0            |
| 020-040                | 1.2                                  | .4   | .2    |       |       |       |       |       |       |       |       | 1.8        | 4.1                              | 3.0            |
| 050-070                | 2.7                                  | 3.2  | 1.2   |       |       |       |       |       |       |       |       | 7.1        | 5.8                              | 6.0            |
| (E) 080-100            | 2.7                                  | 2.3  | 1.1   |       |       |       |       |       |       |       |       | 6.0        | 5.6                              | 5.0            |
| 110-130                | 2.6                                  | 1.3  | .8    |       |       |       |       |       |       |       |       | 4.6        | 5.4                              | 4.0            |
| 140-160                | 3.1                                  | 1.3  | .3    |       |       |       |       |       |       |       |       | 4.7        | 4.5                              | 3.5            |
| (S) 170-190            | 1.2                                  | .8   | .2    |       |       |       |       |       |       |       |       | 2.2        | 4.9                              | 3.5            |
| 200-220                | 2.7                                  | 1.4  | .5    |       |       |       |       |       |       |       |       | 4.6        | 4.9                              | 4.0            |
| 230-250                | 3.5                                  | 3.0  | .4    |       |       |       |       |       |       |       |       | 7.0        | 4.9                              | 4.0            |
| (W) 260-280            | 6.0                                  | 1.4  | .6    | .1    |       |       |       |       |       |       |       | 8.2        | 4.1                              | 3.0            |
| 290-310                | 14.5                                 | 8.3  | .6    |       |       |       |       |       |       |       |       | 23.4       | 4.3                              | 4.0            |
| 320-340                | 8.1                                  | 4.5  | .5    |       |       |       |       |       |       |       |       | 13.1       | 4.5                              | 4.0            |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 14.7       | //////////////////////////////// |                |
| TOTALS                 | 50.5                                 | 28.2 | 6.4   | .1    |       |       |       |       |       |       |       | 100.0      | 4.0                              | 4.0            |

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: OCT HOURS: 21-23

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| 020-040                | .5                                   | .2   |       |       |       |       |       |       |       |       |       | .8         | 3.1          | 3.0            |
| 050-070                | 1.6                                  | 1.2  | .4    |       |       |       |       |       |       |       |       | 3.2        | 5.5          | 4.5            |
| (E) 080-100            | 2.9                                  | 3.5  | .1    | .1    |       |       |       |       |       |       |       | 6.7        | 5.0          | 5.0            |
| 110-130                | 11.6                                 | 7.2  | .4    | .1    |       |       |       |       |       |       |       | 19.4       | 4.5          | 4.0            |
| 140-160                | 23.3                                 | 3.7  |       | .1    |       |       |       |       |       |       |       | 27.1       | 3.2          | 3.0            |
| (S) 170-190            | 10.8                                 | 1.4  |       |       |       |       |       |       |       |       |       | 12.2       | 3.0          | 3.0            |
| 200-220                | 4.2                                  | 1.0  |       |       |       |       |       |       |       |       |       | 5.2        | 3.4          | 3.0            |
| 230-250                | 3.0                                  | .6   | .3    |       |       |       |       |       |       |       |       | 4.0        | 3.8          | 2.0            |
| (W) 260-280            | 2.9                                  | .9   | .2    |       |       |       |       |       |       |       |       | 4.0        | 3.9          | 4.0            |
| 290-310                | 2.2                                  | 1.1  | .1    |       |       |       |       |       |       |       |       | 3.3        | 4.2          | 4.0            |
| 320-340                | .5                                   | .2   |       |       |       |       |       |       |       |       |       | .8         | 4.3          | 4.0            |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 13.5       | ////////     |                |
| TOTALS                 | 63.5                                 | 21.0 | 1.5   | .3    |       |       |       |       |       |       |       | 100.0      | 3.3          | 3.0            |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: OCT HOURS: A

| DIRECTION  <br>(DEGREES)          | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       | TOTAL | MEAN     | MEDIAN |
|-----------------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|--------|
|                                   | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |       |          |        |
| (N) 350-010                       | 1.5                                  | .3   |       |       |       |       |       |       |       |       |       | 1.8   | 3.4      | 3.0    |
| 020-040                           | 1.0                                  | .5   | .1    |       |       |       |       |       |       |       |       | 1.6   | 4.4      | 4.0    |
| 050-070                           | 1.6                                  | 1.5  | .4    | .0    |       |       |       |       |       |       |       | 3.6   | 5.6      | 5.0    |
| (E) 080-100                       | 2.9                                  | 2.4  | .6    | .1    | .0    |       |       |       |       |       |       | 6.0   | 5.3      | 5.0    |
| 110-130                           | 10.2                                 | 6.2  | 1.6   | .3    | .0    |       |       |       |       |       |       | 18.3  | 5.1      | 4.0    |
| 140-160                           | 16.4                                 | 6.9  | .4    | .0    | .0    |       |       |       |       |       |       | 23.8  | 4.1      | 4.0    |
| (S) 170-190                       | 4.2                                  | 1.6  | .5    | .1    |       |       |       |       |       |       |       | 6.4   | 4.4      | 4.0    |
| 200-220                           | 2.1                                  | 1.3  | 1.0   | .2    | .1    |       |       |       |       |       |       | 4.6   | 6.5      | 5.0    |
| 230-250                           | 2.0                                  | 1.4  | .5    | .1    | .0    |       |       |       |       |       |       | 4.0   | 5.5      | 4.5    |
| (W) 260-280                       | 2.6                                  | 1.3  | .4    | .1    |       |       |       |       |       |       |       | 4.4   | 4.8      | 4.0    |
| 290-310                           | 3.8                                  | 3.5  | .5    | .0    |       |       |       |       |       |       |       | 7.8   | 5.0      | 5.0    |
| 320-340                           | 3.0                                  | 2.4  | .5    | .0    |       |       |       |       |       |       |       | 5.9   | 5.1      | 4.0    |
| VARIABLE                          |                                      |      |       |       |       |       |       |       |       |       |       |       |          |        |
| CALM                              | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 11.9  | //////// |        |
| TOTALS                            | 51.3                                 | 29.3 | 6.5   | .9    | .1    |       |       |       |       |       |       | 100.0 | 4.2      | 4.0    |
| TOTAL NUMBER OF OBSERVATIONS 7440 |                                      |      |       |       |       |       |       |       |       |       |       |       |          |        |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: OCT HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       | TOTAL | MEAN<br>WIND                     | MEDIAN<br>WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------------------|----------------|
|                        | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |       |                                  |                |
| (N) 350-010            | 14.3                                 |      |       |       |       |       |       |       |       |       |       | 14.3  | 3.0                              | 3.0            |
| 020-040                |                                      |      |       |       |       |       |       |       |       |       |       |       |                                  |                |
| 050-070                | 14.3                                 |      |       |       |       |       |       |       |       |       |       | 14.3  | 3.0                              | 3.0            |
| (E) 080-100            |                                      |      |       |       |       |       |       |       |       |       |       |       |                                  |                |
| 110-130                |                                      |      |       |       |       |       |       |       |       |       |       |       |                                  |                |
| 140-160                |                                      |      |       |       |       |       |       |       |       |       |       |       |                                  |                |
| (S) 170-190            |                                      |      |       |       |       |       |       |       |       |       |       |       |                                  |                |
| 200-220                |                                      |      |       |       |       |       |       |       |       |       |       |       |                                  |                |
| 230-250                |                                      |      |       |       |       |       |       |       |       |       |       |       |                                  |                |
| (W) 260-280            |                                      |      |       |       |       |       |       |       |       |       |       |       |                                  |                |
| 290-310                | 14.3                                 | 14.3 |       |       |       |       |       |       |       |       |       | 28.6  | 4.5                              | 4.5            |
| 320-340                | 28.6                                 | 14.3 |       |       |       |       |       |       |       |       |       | 42.9  | 4.7                              | 3.0            |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |       |                                  |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | .0    | //////////////////////////////// |                |
| TOTALS                 | 71.5                                 | 28.6 |       |       |       |       |       |       |       |       |       | 100.0 | 4.1                              | 3.0            |

TOTAL NUMBER OF OBSERVATIONS 7

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: NOV HOURS: 00-02

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | .4                   |      |       |       |       |       |       |       |       |       |       | .4         | 2.5          | 2.5            |
| 020-040                | .7                   |      |       |       |       |       |       |       |       |       |       | .7         | 3.2          | 3.5            |
| 050-070                | .4                   | .4   | .1    |       |       |       |       |       |       |       |       | 1.0        | 5.3          | 5.0            |
| (E) 080-100            | 3.6                  | 2.7  | .6    |       |       |       |       |       |       |       |       | 6.8        | 4.7          | 4.0            |
| 110-130                | 19.6                 | 11.4 | 2.3   | .2    |       |       |       |       |       |       |       | 33.6       | 4.8          | 4.0            |
| 140-160                | 24.9                 | 7.6  | .6    |       |       |       |       |       |       |       |       | 33.0       | 3.7          | 4.0            |
| (S) 170-190            | 6.1                  | .8   | .3    |       |       |       |       |       |       |       |       | 7.2        | 3.2          | 3.0            |
| 200-220                | 1.7                  | .2   | .2    | .1    |       |       |       |       |       |       |       | 2.2        | 4.4          | 4.0            |
| 230-250                | .9                   | .3   |       |       |       |       |       |       |       |       |       | 1.2        | 3.5          | 3.0            |
| (W) 260-280            | .8                   | .2   |       |       |       |       |       |       |       |       |       | 1.0        | 3.8          | 4.0            |
| 290-310                | .6                   | .2   |       |       |       |       |       |       |       |       |       | .8         | 3.3          | 3.0            |
| 320-340                | .7                   | .1   |       | .1    |       |       |       |       |       |       |       | .9         | 5.3          | 4.0            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 11.2       | ////////     |                |
| TOTALS                 | 60.4                 | 23.9 | 4.1   | .4    |       |       |       |       |       |       |       | 100.0      | 3.7          | 4.0            |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: NOV HOURS: 03-05

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | .4                   |      |       |       |       |       |       |       |       |       |       | .4         | 2.0          | 1.5            |
| 020-040                | .2                   |      |       |       |       |       |       |       |       |       |       | .2         | 2.0          | 2.0            |
| 050-070                | 1.1                  | .4   | .1    |       |       |       |       |       |       |       |       | 1.7        | 4.2          | 2.0            |
| (E) 080-100            | 2.1                  | 2.8  | .8    |       |       |       |       |       |       |       |       | 5.7        | 5.8          | 5.0            |
| 110-130                | 20.0                 | 11.8 | 2.3   | .3    | .1    |       |       |       |       |       |       | 34.6       | 4.9          | 4.0            |
| 140-160                | 23.9                 | 11.8 | .7    |       |       |       |       |       |       |       |       | 36.3       | 4.1          | 4.0            |
| (S) 170-190            | 3.2                  | 1.1  | .3    | .2    |       |       |       |       |       |       |       | 4.9        | 4.6          | 4.0            |
| 200-220                | 1.1                  | .2   | .2    | .1    |       |       |       |       |       |       |       | 1.7        | 5.5          | 3.0            |
| 230-250                | 1.3                  | .2   |       |       |       |       |       |       |       |       |       | 1.6        | 3.6          | 4.0            |
| (W) 260-280            | .6                   |      |       |       |       |       |       |       |       |       |       | .6         | 2.4          | 2.0            |
| 290-310                | .4                   | .1   |       |       |       |       |       |       |       |       |       | .6         | 3.8          | 2.0            |
| 320-340                | .1                   |      |       |       |       |       |       |       |       |       |       | .1         | 2.0          | 2.0            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 11.8       | ////////     |                |
| TOTALS                 | 54.4                 | 28.4 | 4.4   | .6    | .1    |       |       |       |       |       |       | 100.0      | 4.0          | 4.0            |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: NOV HOURS: 06-08

|                        |  | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
|------------------------|--|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
| DIRECTION<br>(DEGREES) |  | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | TOTAL<br>% | MEAN<br>WIND                     | MEDIAN<br>WIND |
| (N) 350-010            |  |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| 020-040                |  | .6                                   | .1   |       |       |       |       |       |       |       |       |       | .7         | 2.5                              | 2.5            |
| 050-070                |  | .8                                   | .2   | .3    |       |       |       |       |       |       |       |       | 1.3        | 5.5                              | 3.5            |
| (E) 080-100            |  | 3.7                                  | 2.1  | .4    |       |       |       |       |       |       |       |       | 6.2        | 4.7                              | 4.0            |
| 110-130                |  | 14.7                                 | 9.8  | 3.4   | .3    |       |       |       |       |       |       |       | 28.2       | 5.4                              | 4.0            |
| 140-160                |  | 23.0                                 | 15.6 | 1.2   |       |       |       |       |       |       |       |       | 39.8       | 4.6                              | 4.0            |
| (S) 170-190            |  | 4.1                                  | 1.4  | .1    |       |       |       |       |       |       |       |       | 5.7        | 3.7                              | 3.0            |
| 200-220                |  | 2.1                                  | .4   | .2    | .1    |       |       |       |       |       |       |       | 2.9        | 4.4                              | 3.0            |
| 230-250                |  | .4                                   | .2   | .2    |       |       |       |       |       |       |       |       | .9         | 5.5                              | 4.5            |
| (W) 260-280            |  | .2                                   | .4   |       |       |       |       |       |       |       |       |       | .7         | 5.0                              | 6.0            |
| 290-310                |  | .6                                   | .7   | .1    |       |       |       |       |       |       |       |       | 1.3        | 5.5                              | 5.0            |
| 320-340                |  | .2                                   | .1   |       |       |       |       |       |       |       |       |       | .3         | 4.7                              | 4.0            |
| VARIABLE               |  |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                   |  | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 12.0       | //////////////////////////////// |                |
| TOTALS                 |  | 50.4                                 | 31.0 | 5.9   | .4    |       |       |       |       |       |       |       | 100.0      | 4.2                              | 4.0            |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: NOV HOURS: 09-11

| DIRECTION<br>(DEGREES)           | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|----------------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                                  | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010                      | .7                   |      |       |       |       |       |       |       |       |       |       | .7         | 2.2          | 2.0            |
| 020-040                          | .8                   | .2   |       |       |       |       |       |       |       |       |       | 1.0        | 3.6          | 3.0            |
| 050-070                          | 1.6                  | .9   | .6    |       |       |       |       |       |       |       |       | 3.0        | 5.2          | 4.0            |
| (E) 080-100                      | 3.9                  | 2.7  | .8    | .1    |       |       |       |       |       |       |       | 7.4        | 5.3          | 4.0            |
| 110-130                          | 8.4                  | 6.2  | 4.2   | 1.3   | .4    |       |       |       |       |       |       | 20.7       | 6.9          | 6.0            |
| 140-160                          | 11.1                 | 8.0  | 1.0   |       |       |       |       |       |       |       |       | 20.1       | 4.7          | 4.0            |
| (S) 170-190                      | 8.1                  | 3.3  | .1    |       |       |       |       |       |       |       |       | 11.6       | 3.8          | 4.0            |
| 200-220                          | 2.7                  | 1.0  | .4    |       |       |       |       |       |       |       |       | 4.1        | 4.8          | 4.0            |
| 230-250                          | 1.0                  | .4   | .1    |       |       |       |       |       |       |       |       | 1.6        | 4.0          | 3.0            |
| (W) 260-280                      | 2.7                  | .9   | .3    | .1    |       |       |       |       |       |       |       | 4.0        | 4.5          | 3.0            |
| 290-310                          | 1.4                  | 1.8  | .7    | .1    |       |       |       |       |       |       |       | 4.0        | 6.1          | 6.0            |
| 320-340                          | 1.9                  | .6   | .1    | .1    |       |       |       |       |       |       |       | 2.7        | 4.3          | 3.0            |
| VARIABLE                         |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                             | //////////////////// |      |       |       |       |       |       |       |       |       |       | 19.2       | ////////     |                |
| TOTALS                           | 44.3                 | 26.0 | 8.3   | 1.7   | .4    |       |       |       |       |       |       | 100.0      | 4.2          | 4.0            |
| TOTAL NUMBER OF OBSERVATIONS 900 |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: NOV HOURS: 12-14

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | 4.3                  | .8   |       |       |       |       |       |       |       |       |       | 5.1        | 3.1          | 3.0            |
| 020-040                | 2.3                  | .2   | .2    |       |       |       |       |       |       |       |       | 2.8        | 3.6          | 3.0            |
| 050-070                | 1.4                  | 1.6  | .9    | .3    | .1    |       |       |       |       |       |       | 4.3        | 7.5          | 6.0            |
| (E) 080-100            | 2.0                  | 1.3  | .3    |       |       |       |       |       |       |       |       | 3.7        | 4.9          | 4.0            |
| 110-130                | 2.1                  | 3.6  | 3.4   | 1.0   | .4    |       |       |       |       |       |       | 10.6       | 9.1          | 8.0            |
| 140-160                | 1.8                  | 1.8  | .8    | .1    | .1    |       |       |       |       |       |       | 4.6        | 6.5          | 6.0            |
| (S) 170-190            | 1.4                  | .8   | .8    | .2    |       |       |       |       |       |       |       | 3.2        | 6.8          | 5.0            |
| 200-220                | 1.9                  | 1.8  | 2.0   | .3    |       |       |       |       |       |       |       | 6.0        | 7.4          | 8.0            |
| 230-250                | 2.2                  | 2.7  | 1.0   | .1    |       |       |       |       |       |       |       | 6.0        | 6.1          | 5.5            |
| (W) 260-280            | 4.8                  | 2.7  | 1.2   | .1    |       |       |       |       |       |       |       | 8.8        | 5.2          | 4.0            |
| 290-310                | 6.1                  | 5.2  | 1.7   | .3    |       |       |       |       |       |       |       | 13.3       | 5.6          | 5.0            |
| 320-340                | 7.0                  | 4.6  | 1.0   |       |       |       |       |       |       |       |       | 12.6       | 4.7          | 4.0            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 19.1       | ////////     |                |
| TOTALS                 | 37.3                 | 27.1 | 13.3  | 2.4   | .6    |       |       |       |       |       |       | 100.0      | 4.8          | 5.0            |

TOTAL NUMBER OF OBSERVATIONS 900



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: NOV HOURS: 15-17

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | 4.9                                  | 1.3  |       |       |       |       |       |       |       |       |       | 6.2        | 3.6          | 4.0            |
| 020-040                | 1.8                                  | 1.0  |       |       |       |       |       |       |       |       |       | 2.8        | 4.1          | 4.0            |
| 050-070                | 1.7                                  | 1.2  | 1.7   | .1    | .2    |       |       |       |       |       |       | 4.9        | 7.4          | 7.0            |
| (E) 080-100            | 2.0                                  | 2.0  | .7    |       |       |       |       |       |       |       |       | 4.7        | 5.9          | 5.5            |
| 110-130                | 1.2                                  | 1.9  | 1.6   | .2    |       |       |       |       |       |       |       | 4.9        | 8.0          | 8.0            |
| 140-160                | .4                                   | .4   |       | .1    |       |       |       |       |       |       |       | 1.0        | 5.6          | 5.0            |
| (S) 170-190            | .3                                   | .3   |       | .1    | .1    |       |       |       |       |       |       | .9         | 8.1          | 6.0            |
| 200-220                | 1.2                                  | 2.0  | 1.3   | .4    | .1    |       |       |       |       |       |       | 5.1        | 8.4          | 8.0            |
| 230-250                | 1.2                                  | 2.1  | 1.7   |       |       |       |       |       |       |       |       | 5.0        | 7.2          | 7.0            |
| (W) 260-280            | 1.9                                  | 3.0  | 1.8   | .1    |       |       |       |       |       |       |       | 6.8        | 7.2          | 7.0            |
| 290-310                | 6.8                                  | 11.4 | 3.0   | .3    |       |       |       |       |       |       |       | 21.6       | 6.4          | 6.0            |
| 320-340                | 12.0                                 | 13.8 | 2.0   | .1    |       |       |       |       |       |       |       | 27.9       | 5.3          | 5.0            |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 8.3        | ////////     |                |
| TOTALS                 | 35.4                                 | 40.4 | 13.8  | 1.4   | .4    |       |       |       |       |       |       | 100.0      | 5.6          | 6.0            |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: NOV HOURS: 18-20

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | 1.0                  | .1   |       |       |       |       |       |       |       |       |       | 1.1        | 2.8          | 2.0            |
| 020-040                | 2.0                  | .2   |       |       |       |       |       |       |       |       |       | 2.2        | 3.3          | 3.0            |
| 050-070                | 2.1                  | 3.2  | .9    | .1    |       |       |       |       |       |       |       | 6.3        | 6.5          | 6.0            |
| (E) 080-100            | 2.4                  | 3.0  | .7    |       |       |       |       |       |       |       |       | 6.1        | 5.5          | 5.0            |
| 110-130                | 2.7                  | 1.2  | .3    | .3    |       |       |       |       |       |       |       | 4.6        | 5.2          | 4.0            |
| 140-160                | 3.4                  | .6   | .1    |       |       |       |       |       |       |       |       | 4.1        | 3.0          | 2.0            |
| (S) 170-190            | 4.0                  | 1.1  |       | .1    | .1    |       |       |       |       |       |       | 5.3        | 4.1          | 3.0            |
| 200-220                | 1.7                  | .8   | .1    |       | .1    |       |       |       |       |       |       | 2.7        | 4.1          | 3.0            |
| 230-250                | 2.9                  | 1.0  | .3    |       |       |       |       |       |       |       |       | 4.2        | 4.0          | 3.0            |
| (W) 260-280            | 4.4                  | 1.1  | .3    |       |       |       |       |       |       |       |       | 5.9        | 3.7          | 3.0            |
| 290-310                | 13.4                 | 5.6  | 1.3   |       |       |       |       |       |       |       |       | 20.3       | 4.4          | 4.0            |
| 320-340                | 8.9                  | 1.9  |       | .1    |       |       |       |       |       |       |       | 10.9       | 3.5          | 3.0            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 26.2       | ////////     |                |
| TOTALS                 | 48.9                 | 19.8 | 4.0   | .6    | .2    |       |       |       |       |       |       | 100.0      | 3.2          | 4.0            |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: NOV HOURS: 21-23

| WIND SPEED IN KNOTS              |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
|----------------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| DIRECTION<br>(DEGREES)           | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
| (N) 350-010                      | .1                                   | .1   |       |       |       |       |       |       |       |       |       | .2         | 4.5          | 4.5            |
| 020-040                          |                                      |      | .2    |       |       |       |       |       |       |       |       | .2         | 10.0         | 10.0           |
| 050-070                          | .8                                   | .7   | .2    |       |       |       |       |       |       |       |       | 1.7        | 5.1          | 5.0            |
| (E) 080-100                      | 3.2                                  | 3.0  | .4    |       |       |       |       |       |       |       |       | 6.7        | 5.2          | 5.0            |
| 110-130                          | 18.0                                 | 6.6  | 1.2   | .2    |       |       |       |       |       |       |       | 26.0       | 4.4          | 4.0            |
| 140-160                          | 22.9                                 | 2.9  | .1    |       |       |       |       |       |       |       |       | 25.9       | 3.2          | 3.0            |
| (S) 170-190                      | 8.7                                  | 1.2  |       |       |       |       |       |       |       |       |       | 9.9        | 2.9          | 3.0            |
| 200-220                          | 4.0                                  | .3   | .2    |       |       |       |       |       |       |       |       | 4.6        | 3.3          | 2.0            |
| 230-250                          | 1.9                                  | .3   | .1    |       |       |       |       |       |       |       |       | 2.3        | 3.4          | 2.0            |
| (W) 260-280                      | 2.7                                  | .2   |       |       | .2    |       |       |       |       |       |       | 3.1        | 4.5          | 3.0            |
| 290-310                          | .8                                   | 1.3  | .4    |       | .1    |       |       |       |       |       |       | 2.7        | 6.4          | 6.0            |
| 320-340                          | .6                                   | .2   | .2    |       |       |       |       |       |       |       |       | 1.0        | 5.2          | 4.0            |
| VARIABLE                         |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                             | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 15.8       | ////////     |                |
| TOTALS                           | 63.7                                 | 16.8 | 3.0   | .2    | .3    |       |       |       |       |       |       | 100.0      | 3.3          | 3.0            |
| TOTAL NUMBER OF OBSERVATIONS 900 |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: NOV HOURS: ALL

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | 1.5                  | .3   |       |       |       |       |       |       |       |       |       | 1.8        | 3.2          | 3.0            |
| 020-040                | 1.0                  | .2   | .1    |       |       |       |       |       |       |       |       | 1.3        | 3.7          | 3.0            |
| 050-070                | 1.2                  | 1.1  | .6    | .1    | .0    |       |       |       |       |       |       | 3.0        | 6.3          | 5.0            |
| (E) 080-100            | 2.9                  | 2.4  | .6    | .0    |       |       |       |       |       |       |       | 5.9        | 5.2          | 5.0            |
| 110-130                | 10.8                 | 6.6  | 2.4   | .5    | .1    |       |       |       |       |       |       | 20.4       | 5.5          | 4.0            |
| 140-160                | 13.9                 | 6.1  | .6    | .0    | .0    |       |       |       |       |       |       | 20.6       | 4.1          | 4.0            |
| (S) 170-190            | 4.5                  | 1.3  | .2    | .1    | .0    |       |       |       |       |       |       | 6.1        | 3.9          | 3.0            |
| 200-220                | 2.0                  | .8   | .6    | .1    | .0    |       |       |       |       |       |       | 3.7        | 5.7          | 4.0            |
| 230-250                | 1.5                  | .9   | .4    | .0    |       |       |       |       |       |       |       | 2.8        | 5.2          | 4.0            |
| (W) 260-280            | 2.3                  | 1.1  | .5    | .0    | .0    |       |       |       |       |       |       | 3.8        | 5.1          | 4.0            |
| 290-310                | 3.8                  | 3.3  | .9    | .1    | .0    |       |       |       |       |       |       | 8.1        | 5.5          | 5.0            |
| 320-340                | 3.9                  | 2.7  | .4    | .1    |       |       |       |       |       |       |       | 7.0        | .8           | 4.0            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 15.5       | ////////     |                |
| TOTALS                 | 49.3                 | 26.8 | 7.3   | 1.0   | .1    |       |       |       |       |       |       | 100.0      | 4.1          | 4.0            |

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: NOV HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       | TOTAL | MEAN                             | MEDIAN |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------------------|--------|
|                        | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |       |                                  |        |
| (N) 350-010            |                                      |      |       |       |       |       |       |       |       |       |       |       |                                  |        |
| 020-040                | 5.3                                  |      |       |       |       |       |       |       |       |       |       | 5.3   | 2.0                              | 2.0    |
| 050-070                | 5.3                                  |      |       |       |       |       |       |       |       |       |       | 5.3   | 4.0                              | 4.0    |
| (E) 080-100            |                                      |      |       |       |       |       |       |       |       |       |       |       |                                  |        |
| 110-130                |                                      |      |       |       |       |       |       |       |       |       |       |       |                                  |        |
| 140-160                | 5.3                                  |      |       |       |       |       |       |       |       |       |       | 5.3   | 2.0                              | 2.0    |
| (S) 170-190            |                                      |      |       |       |       |       |       |       |       |       |       |       |                                  |        |
| 200-220                | 5.3                                  |      |       |       |       |       |       |       |       |       |       | 5.3   | 2.0                              | 2.0    |
| 230-250                |                                      |      |       |       |       |       |       |       |       |       |       |       |                                  |        |
| (W) 260-280            |                                      |      |       |       |       |       |       |       |       |       |       |       |                                  |        |
| 290-310                | 10.5                                 | 15.8 | 15.8  |       |       |       |       |       |       |       |       | 42.1  | 7.9                              | 8.0    |
| 320-340                | 5.3                                  |      | 10.5  | 5.3   |       |       |       |       |       |       |       | 21.1  | 10.5                             | 12.0   |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |       |                                  |        |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 15.8  | //////////////////////////////// |        |
| TOTALS                 | 37.0                                 | 15.8 | 26.3  | 5.3   |       |       |       |       |       |       |       | 100.0 | 6.1                              | 8.0    |

TOTAL NUMBER OF OBSERVATIONS 19

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: DEC HOURS: 00-02

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | .5                                   | .1   |       |       |       |       |       |       |       |       |       | .6         | 2.2          | 2.0            |
| 020-040                | .1                                   |      |       |       |       |       |       |       |       |       |       | .1         | 3.0          | 3.0            |
| 050-070                | .5                                   | .5   |       |       |       |       |       |       |       |       |       | 1.1        | 4.8          | 4.5            |
| (E) 080-100            | 3.8                                  | 2.3  | .5    | .1    |       |       |       |       |       |       |       | 6.7        | 4.7          | 4.0            |
| 110-130                | 19.7                                 | 11.2 | 2.3   | .3    |       |       |       |       |       |       |       | 33.4       | 4.8          | 4.0            |
| 140-160                | 24.6                                 | 7.2  | .3    | .2    |       |       |       |       |       |       |       | 32.4       | 3.7          | 3.0            |
| (S) 170-190            | 5.4                                  | .3   |       |       |       |       |       |       |       |       |       | 5.7        | 2.6          | 2.0            |
| 200-220                | 1.1                                  | .5   |       |       |       |       |       |       |       |       |       | 1.6        | 4.6          | 4.0            |
| 230-250                | 1.3                                  | .4   |       |       |       |       |       |       |       |       |       | 1.7        | 3.3          | 2.0            |
| (W) 260-280            | .8                                   | .3   |       |       |       |       |       |       |       |       |       | 1.1        | 4.1          | 4.0            |
| 290-310                | 1.1                                  | .6   |       |       |       |       |       |       |       |       |       | 1.7        | 3.8          | 3.5            |
| 320-340                |                                      | .2   |       |       |       |       |       |       |       |       |       | .2         | 6.0          | 6.0            |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 13.7       | ////////     |                |
| TOTALS                 | 58.9                                 | 23.6 | 3.1   | .6    |       |       |       |       |       |       |       | 100.0      | 3.6          | 4.0            |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: DEC HOURS: 03-05

| DIRECTION<br>(DEGREES)           | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|----------------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                                  | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010                      | .8                   | .2   |       |       |       |       |       |       |       |       |       | 1.0        | 3.0          | 3.0            |
| 020-040                          | .2                   |      |       |       |       |       |       |       |       |       |       | .2         | 1.5          | 1.5            |
| 050-070                          | .8                   | .2   | .4    |       |       |       |       |       |       |       |       | 1.4        | 5.9          | 4.0            |
| (E) 080-100                      | 3.3                  | 2.3  | .3    | .2    |       |       |       |       |       |       |       | 6.1        | 4.8          | 4.0            |
| 110-130                          | 17.4                 | 10.6 | 1.8   | .5    |       |       |       |       |       |       |       | 30.4       | 4.9          | 4.0            |
| 140-160                          | 22.8                 | 10.8 | 1.3   | .1    |       |       |       |       |       |       |       | 34.9       | 4.3          | 4.0            |
| (S) 170-190                      | 3.8                  | .1   | .2    |       |       |       |       |       |       |       |       | 4.1        | 3.1          | 2.0            |
| 200-220                          | .4                   | .2   | .1    |       |       |       |       |       |       |       |       | .8         | 4.9          | 4.0            |
| 230-250                          | 1.0                  | .2   | .1    | .1    |       |       |       |       |       |       |       | 1.4        | 4.9          | 4.0            |
| (W) 260-280                      | .4                   | .3   | .1    |       |       |       |       |       |       |       |       | .9         | 5.1          | 4.5            |
| 290-310                          | .5                   | .2   |       |       |       |       |       |       |       |       |       | .8         | 3.3          | 3.0            |
| 320-340                          | .2                   | .1   |       |       |       |       |       |       |       |       |       | .3         | 3.3          | 4.0            |
| VARIABLE                         |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                             | //////////////////// |      |       |       |       |       |       |       |       |       |       | 17.7       | ////         | ////           |
| TOTALS                           | 51.6                 | 25.2 | 4.3   | .9    |       |       |       |       |       |       |       | 100.0      | 37           | 4.0            |
| TOTAL NUMBER OF OBSERVATIONS 930 |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: DEC HOURS: 06-08

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | .3                   | .1   |       |       |       |       |       |       |       |       |       | .4         | 3.3          | 2.5            |
| 020-040                | .1                   | .1   |       |       |       |       |       |       |       |       |       | .2         | 5.0          | 5.0            |
| 050-070                | .5                   | .4   | .3    | .1    | .1    |       |       |       |       |       |       | 1.5        | 7.7          | 5.0            |
| (E) 080-100            | 2.7                  | 1.2  | .6    | .1    |       |       |       |       |       |       |       | 4.6        | 5.4          | 4.0            |
| 110-130                | 15.2                 | 12.4 | 3.3   | 1.0   | .1    |       |       |       |       |       |       | 31.9       | 5.5          | 5.0            |
| 140-160                | 18.2                 | 14.8 | 1.7   | .2    |       |       |       |       |       |       |       | 34.9       | 4.8          | 4.0            |
| (S) 170-190            | 3.3                  | 1.3  | .2    |       |       |       |       |       |       |       |       | 4.8        | 4.3          | 4.0            |
| 200-220                | 1.0                  | .4   |       |       |       |       |       |       |       |       |       | 1.4        | 3.5          | 3.0            |
| 230-250                | .9                   | .2   |       |       |       |       |       |       |       |       |       | 1.1        | 4.0          | 4.0            |
| (W) 260-280            | 1.0                  | .4   |       |       |       |       |       |       |       |       |       | 1.4        | 3.4          | 3.0            |
| 290-310                | .2                   |      |       |       |       |       |       |       |       |       |       | .2         | 2.0          | 2.0            |
| 320-340                | .2                   | .1   | .1    |       |       |       |       |       |       |       |       | .4         | 7.3          | 6.0            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 17.0       | ////////     |                |
| TOTALS                 | 43.6                 | 31.4 | 6.2   | 1.4   | .2    |       |       |       |       |       |       | 100.0      | 4.2          | 4.0            |

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79- APR 89  
MONTH: DEC HOURS: 09-11

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | .6                   |      |       |       |       |       |       |       |       |       |       | .6         | 2.2          | 2.0            |
| 020-040                | .6                   | .1   | .1    |       |       |       |       |       |       |       |       | .9         | 3.5          | 2.0            |
| 050-070                | 2.0                  | .2   | .1    | .3    |       |       |       |       |       |       |       | 2.7        | 5.0          | 3.0            |
| (E) 080-100            | 2.9                  | 1.2  | .3    | .2    |       |       |       |       |       |       |       | 4.6        | 4.7          | 3.0            |
| 110-130                | 9.0                  | 8.0  | 4.7   | 1.7   | .8    | .2    |       |       |       |       |       | 24.4       | 7.6          | 6.0            |
| 140-160                | 11.9                 | 9.8  | 1.7   | .4    | .1    |       |       |       |       |       |       | 24.0       | 5.2          | 5.0            |
| (S) 170-190            | 6.9                  | 4.1  | .2    |       |       |       |       |       |       |       |       | 11.2       | 4.0          | 4.0            |
| 200-220                | 1.8                  | 1.6  | .2    | .2    |       |       |       |       |       |       |       | 3.9        | 5.3          | 5.0            |
| 230-250                | .9                   | .3   | .1    |       |       |       |       |       |       |       |       | 1.3        | 3.9          | 2.0            |
| (W) 260-280            | 1.1                  | .9   | .2    |       |       |       |       |       |       |       |       | 2.2        | 5.1          | 4.5            |
| 290-310                | .4                   | .9   | .2    |       |       |       |       |       |       |       |       | 1.5        | 5.9          | 6.5            |
| 320-340                | 1.5                  | .2   |       |       |       |       |       |       |       |       |       | 1.7        | 2.9          | 2.5            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 21.1       | ////////     |                |
| TOTALS                 | 39.6                 | 27.3 | 7.8   | 2.8   | .9    | .2    |       |       |       |       |       | 100.0      | 4.5          | 4.0            |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: DEC HOURS: 12-14

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND                     | MEDIAN<br>WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
|                        | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |                                  |                |
| (N) 350-010            | 2.6                                  | .5   |       |       |       |       |       |       |       |       |       | 3.1        | 3.1                              | 3.0            |
| 020-040                | 3.5                                  | .5   |       |       |       |       |       |       |       |       |       | 4.1        | 3.1                              | 2.5            |
| 050-070                | 2.6                                  | 1.1  | .5    | .2    |       |       |       |       |       |       |       | 4.4        | 5.6                              | 4.0            |
| (E) 080-100            | 3.0                                  | 2.2  | .8    | .1    | .3    |       |       |       |       |       |       | 6.3        | 5.9                              | 5.0            |
| 110-130                | 4.4                                  | 2.9  | 3.5   | 1.7   | .3    |       |       |       |       |       |       | 12.9       | 8.5                              | 8.0            |
| 140-160                | 2.2                                  | 1.6  | .3    | .1    | .2    |       |       |       |       |       |       | 4.4        | 6.1                              | 5.0            |
| (S) 170-190            | 2.2                                  | 1.4  | .5    | .1    | .1    |       |       |       |       |       |       | 4.3        | 5.8                              | 4.5            |
| 200-220                | 1.7                                  | 1.1  | 1.1   | .2    |       |       |       |       |       |       |       | 4.1        | 6.6                              | 5.5            |
| 230-250                | 2.2                                  | 1.2  | .8    |       |       |       |       |       |       |       |       | 4.1        | 5.1                              | 4.0            |
| (W) 260-280            | 4.0                                  | 1.4  | 1.1   | .1    |       |       |       |       |       |       |       | 6.6        | 5.1                              | 4.0            |
| 290-310                | 5.9                                  | 4.5  | 1.1   | .2    |       |       |       |       |       |       |       | 11.7       | 5.1                              | 4.0            |
| 320-340                | 6.2                                  | 4.4  | .8    |       |       |       |       |       |       |       |       | 11.4       | 4.8                              | 4.0            |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 22.6       | //////////////////////////////// |                |
| TOTALS                 | 40.5                                 | 22.8 | 10.5  | 2.7   | .9    |       |       |       |       |       |       | 100.0      | 4.4                              | 4.0            |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: DEC HOURS: 15-17

| DIRECTION<br>(DEGREES)           | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|----------------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                                  | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010                      | 2.9                  | .2   |       |       |       |       |       |       |       |       |       | 3.1        | 2.8          | 2.0            |
| 020-040                          | 1.8                  | 1.1  | .1    |       |       |       |       |       |       |       |       | 3.0        | 3.9          | 4.0            |
| 050-070                          | 3.1                  | 1.5  | .9    | .1    |       |       |       |       |       |       |       | 5.6        | 5.4          | 4.0            |
| (E) 080-100                      | 1.4                  | 2.8  | .5    |       |       |       |       |       |       |       |       | 4.7        | 5.9          | 6.0            |
| 110-130                          | 1.5                  | 1.1  | 2.5   | .4    |       |       |       |       |       |       |       | 5.5        | 8.7          | 10.0           |
| 140-160                          | 1.4                  | .3   |       |       |       |       |       |       |       |       |       | 1.7        | 3.4          | 3.0            |
| (S) 170-190                      | .6                   | .2   | .1    |       |       |       |       |       |       |       |       | 1.0        | 4.6          | 3.0            |
| 200-220                          | .4                   | 1.1  | .3    |       |       |       |       |       |       |       |       | 1.8        | 6.2          | 6.0            |
| 230-250                          | 1.3                  | 1.7  | .6    |       |       |       |       |       |       |       |       | 3.7        | 5.9          | 5.0            |
| (W) 260-280                      | 3.0                  | 2.2  | 1.3   |       |       |       |       |       |       |       |       | 6.5        | 5.5          | 5.0            |
| 290-310                          | 9.6                  | 8.8  | 1.4   |       |       |       |       |       |       |       |       | 19.8       | 5.3          | 5.0            |
| 320-340                          | 14.2                 | 10.9 | 1.3   |       |       |       |       |       |       |       |       | 26.3       | 4.8          | 4.0            |
| VARIABLE                         |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                             | //////////////////// |      |       |       |       |       |       |       |       |       |       | 17.3       | ////////     |                |
| TOTALS                           | 41.2                 | 31.9 | 9.0   | .5    |       |       |       |       |       |       |       | 100.0      | 4.4          | 5.0            |
| TOTAL NUMBER OF OBSERVATIONS 930 |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: DEC HOURS: 18-20

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | 2.3                                  |      | .1    |       |       |       |       |       |       |       |       | 2.4        | 3.0          | 2.0            |
| 020-040                | 1.4                                  |      |       |       |       |       |       |       |       |       |       | 1.4        | 2.2          | 2.0            |
| 050-070                | 1.6                                  | 1.7  | .2    | .1    |       |       |       |       |       |       |       | 3.7        | 5.5          | 5.0            |
| (E) 080-100            | 4.0                                  | 2.8  | .6    |       |       |       |       |       |       |       |       | 7.4        | 4.8          | 4.0            |
| 110-130                | 4.5                                  | 2.2  | .6    | .2    |       |       |       |       |       |       |       | 7.5        | 4.9          | 4.0            |
| 140-160                | 5.5                                  | 1.2  | .2    | .1    |       |       |       |       |       |       |       | 7.0        | 3.6          | 3.0            |
| (S) 170-190            | 2.6                                  | .3   | .2    |       |       |       |       |       |       |       |       | 3.1        | 3.6          | 3.0            |
| 200-220                | 1.2                                  | .2   | .2    | .1    |       |       |       |       |       |       |       | 1.7        | 4.4          | 2.0            |
| 230-250                | 1.7                                  | .2   | .2    |       |       |       |       |       |       |       |       | 2.2        | 3.6          | 3.0            |
| (W) 260-280            | 3.3                                  | 1.3  | .2    |       |       |       |       |       |       |       |       | 4.8        | 3.6          | 3.0            |
| 290-310                | 11.1                                 | 3.4  | .5    | .1    |       |       |       |       |       |       |       | 15.2       | 4.0          | 3.0            |
| 320-340                | 9.5                                  | 2.0  | .1    |       |       |       |       |       |       |       |       | 11.6       | 3.3          | 3.0            |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 32.0       | ////////     |                |
| TOTALS                 | 48.7                                 | 15.3 | 3.1   | .6    |       |       |       |       |       |       |       | 100.0      | 2.7          | 3.0            |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: DEC HOURS: 21-23

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
|                        | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| (N) 350-010            | .2                   |      |       |       |       |       |       |       |       |       |       | .2         | 3.5          | 3.5            |
| 020-040                | .4                   |      |       |       |       |       |       |       |       |       |       | .4         | 2.0          | 2.0            |
| 050-070                | .4                   | .2   |       |       |       |       |       |       |       |       |       | .6         | 4.0          | 4.0            |
| (E) 080-100            | 3.4                  | 1.7  | .8    |       |       |       |       |       |       |       |       | 5.9        | 4.8          | 4.0            |
| 110-130                | 18.7                 | 8.2  | 2.0   | .6    | .1    |       |       |       |       |       |       | 29.7       | 4.7          | 4.0            |
| 140-160                | 22.9                 | 4.4  | .1    |       |       |       |       |       |       |       |       | 27.4       | 3.5          | 3.0            |
| (S) 170-190            | 6.2                  | .3   |       |       |       |       |       |       |       |       |       | 6.6        | 2.8          | 2.0            |
| 200-220                | 3.0                  | .3   |       |       |       |       |       |       |       |       |       | 3.3        | 2.7          | 2.0            |
| 230-250                | 1.6                  | .2   |       |       |       |       |       |       |       |       |       | 1.8        | 2.8          | 2.0            |
| (W) 260-280            | 1.4                  |      |       |       |       |       |       |       |       |       |       | 1.4        | 2.4          | 2.0            |
| 290-310                | .6                   | .5   | .4    |       |       |       |       |       |       |       |       | 1.6        | 6.7          | 6.0            |
| 320-340                | .9                   | .2   | .2    | .3    |       |       |       |       |       |       |       | 1.6        | 6.9          | 4.0            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 19.4       | ////////     |                |
| TOTALS                 | 59.7                 | 16.0 | 3.5   | .9    | .1    |       |       |       |       |       |       | 100.0      | 3.3          | 3.0            |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
ONTH: DEC HOURS: ALL

| WIND SPEED IN KNOTS |                                      |      |       |       |       |       |       |       |       |       |       |       |                                  |        |
|---------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------------------|--------|
| DIRECTION           | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | TOTAL | MEAN                             | MEDIAN |
| (DEGREES)           |                                      |      |       |       |       |       |       |       |       |       |       | %     | WIND                             | WIND   |
| (N) 350-010         | 1.3                                  | .1   | .0    |       |       |       |       |       |       |       |       | 1.4   | 2.9                              | 2.0    |
| 020-040             | 1.0                                  | .2   | .0    |       |       |       |       |       |       |       |       | 1.3   | 3.2                              | 2.0    |
| 050-070             | 1.5                                  | .7   | .3    | .1    | .0    |       |       |       |       |       |       | 2.6   | 5.5                              | 4.0    |
| (E) 080-100         | 3.1                                  | 2.0  | .6    | .1    | .0    |       |       |       |       |       |       | 5.8   | 5.1                              | 4.0    |
| 110-130             | 11.3                                 | 7.1  | 2.6   | .8    | .2    | .0    |       |       |       |       |       | 22.0  | 5.7                              | 4.0    |
| 140-160             | 13.7                                 | 6.3  | .7    | .1    | .0    |       |       |       |       |       |       | 20.8  | 4.3                              | 4.0    |
| (S) 170-190         | 3.9                                  | 1.0  | .2    | .0    | .0    |       |       |       |       |       |       | 5.1   | 3.7                              | 3.0    |
| 200-220             | 1.3                                  | .7   | .2    | .1    |       |       |       |       |       |       |       | 2.3   | 4.9                              | 4.0    |
| 230-250             | 1.3                                  | .6   | .2    | .0    |       |       |       |       |       |       |       | 2.2   | 4.5                              | 3.0    |
| (W) 260-280         | 1.9                                  | .8   | .4    | .0    |       |       |       |       |       |       |       | 3.1   | 4.6                              | 4.0    |
| 290-310             | 3.7                                  | 2.4  | .5    | .0    |       |       |       |       |       |       |       | 6.6   | 4.8                              | 4.0    |
| 320-340             | 4.1                                  | 2.3  | .3    | .0    |       |       |       |       |       |       |       | 6.7   | 4.5                              | 4.0    |
| VARIABLE            |                                      |      |       |       |       |       |       |       |       |       |       |       |                                  |        |
| CALM                | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 20.1  | //////////////////////////////// |        |
| TOTALS              | 48.1                                 | 24.2 | 6.0   | 1.2   | .2    |       |       |       |       |       |       | 100.0 | 3.8                              | 4.0    |

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: DEC HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

| WIND SPEED IN KNOTS |                                      |      |       |       |       |       |       |       |       |       |       |       |                                  |        |
|---------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------------------|--------|
| DIRECTION           | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | TOTAL | MEAN                             | MEDIAN |
| (DEGREES)           |                                      |      |       |       |       |       |       |       |       |       |       | %     | WIND                             | WIND   |
| (N) 350-010         | 2.1                                  |      |       |       |       |       |       |       |       |       |       | 2.1   | 4.0                              | 4.0    |
| 020-040             |                                      |      |       |       |       |       |       |       |       |       |       |       |                                  |        |
| 050-070             |                                      |      |       |       |       |       |       |       |       |       |       |       |                                  |        |
| (E) 080-100         | 2.1                                  |      |       |       |       |       |       |       |       |       |       | 2.1   | 5.0                              | 5.0    |
| 110-130             |                                      |      |       |       |       |       |       |       |       |       |       |       |                                  |        |
| 140-160             | 2.1                                  | 2.1  |       |       |       |       |       |       |       |       |       | 4.3   | 5.0                              | 5.0    |
| (S) 170-190         | 4.3                                  | 2.1  |       |       |       |       |       |       |       |       |       | 6.4   | 5.3                              | 4.0    |
| 200-220             | 2.1                                  | 2.1  |       |       |       |       |       |       |       |       |       | 4.3   | 5.0                              | 5.0    |
| 230-250             | 8.5                                  |      |       |       |       |       |       |       |       |       | 8.5   | 2.5   | 2.5                              |        |
| (W) 260-280         | 4.3                                  | 2.1  | 2.1   |       |       |       |       |       |       |       |       | 8.5   | 5.3                              | 4.5    |
| 290-310             | 10.6                                 | 4.3  | 2.1   |       |       |       |       |       |       |       |       | 17.0  | 4.4                              | 3.0    |
| 320-340             | 17.0                                 | 4.3  |       |       |       |       |       |       |       |       |       | 21.3  | 4.3                              | 4.0    |
| VARIABLE            |                                      |      |       |       |       |       |       |       |       |       |       |       |                                  |        |
| CALM                | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 25.5  | //////////////////////////////// |        |
| TOTALS              | 51.0                                 | 17.0 | 6.3   |       |       |       |       |       |       |       | 100.0 | 3.3   | 4.0                              |        |

TOTAL NUMBER OF OBSERVATIONS 47

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: ALL HOURS: ALL

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       | TOTAL | MEAN<br>WIND | MEDIAN<br>WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|----------------|
|                        | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |       |              |                |
| (N) 350-010            | 1.3                                  | .5   | .1    | .0    |       |       |       |       |       |       |       | 1.8   | 3.8          | 3.0            |
| 020-040                | 1.0                                  | .4   | .1    | .0    | .0    |       | .0    |       |       |       |       | 1.5   | 4.3          | 4.0            |
| 050-070                | 1.3                                  | 1.0  | .4    | .1    | .0    | .0    | .0    |       |       |       |       | 2.8   | 5.8          | 5.0            |
| (E) 080-100            | 2.6                                  | 1.9  | .4    | .1    | .0    | .0    | .0    |       |       |       |       | 5.0   | 5.2          | 4.0            |
| 110-130                | 9.2                                  | 5.6  | 1.8   | .4    | .1    | .0    |       |       | .0    |       |       | 17.1  | 5.4          | 4.0            |
| 140-160                | 12.8                                 | 5.6  | .6    | .1    | .0    | .0    |       |       |       |       |       | 19.1  | 4.2          | 4.0            |
| (S) 170-190            | 4.7                                  | 1.8  | .4    | .1    | .0    | .0    |       |       |       |       |       | 7.0   | 4.3          | 4.0            |
| 200-220                | 2.5                                  | 1.6  | 1.0   | .2    | .0    | .0    | .0    |       |       |       |       | 5.3   | 6.2          | 5.0            |
| 230-250                | 2.4                                  | 1.9  | .8    | .1    | .0    |       |       |       |       |       |       | 5.2   | 5.8          | 5.0            |
| (W) 260-280            | 2.9                                  | 2.5  | .7    | .0    | .0    |       | .0    |       |       |       |       | 6.0   | 5.4          | 5.0            |
| 290-310                | 3.9                                  | 3.8  | 1.0   | .1    | .0    |       |       |       |       |       |       | 8.8   | 5.5          | 5.0            |
| 320-340                | 3.0                                  | 2.8  | .7    | .1    | .0    |       |       |       |       |       |       | 6.5   | 5.4          | 5.0            |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |       |              |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 13.8  | ////////     |                |
| TOTALS                 | 47.6                                 | 29.4 | 8.0   | 1.3   | .1    |       |       |       |       |       |       | 100.0 | 4.4          | 4.0            |

TOTAL NUMBER OF OBSERVATIONS: 87665



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: AY 79 - APR 89  
MONTH: ALL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

|           |         | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |       |       |                                  |        |
|-----------|---------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------------------|--------|
| DIRECTION |         | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | TOTAL | MEAN                             | MEDIAN |
| (DEGREES) |         |                                      |      |       |       |       |       |       |       |       |       |       | %     | WIND                             | WIND   |
| (N)       | 350-010 | 3.0                                  | 1.2  |       |       |       |       |       |       |       |       |       | 4.2   | 3.6                              | 3.0    |
|           | 020-040 | 1.2                                  | .6   |       |       |       |       |       |       |       |       |       | 1.8   | 3.3                              | 2.0    |
|           | 050-070 | 1.2                                  | .6   |       |       |       | .6    |       |       |       |       |       | 2.4   | 9.8                              | 5.0    |
| (E)       | 080-100 | 3.6                                  | 1.2  |       |       |       |       |       |       |       |       |       | 4.8   | 3.6                              | 3.5    |
|           | 110-130 |                                      | .6   |       |       |       |       |       |       |       |       |       | .6    | 6.0                              | 6.0    |
|           | 140-160 | 2.4                                  | 1.8  | .6    |       |       |       |       |       |       |       |       | 4.8   | 5.3                              | 4.5    |
| (S)       | 170-190 | 3.0                                  | .6   | .6    |       | .6    |       |       |       |       |       |       | 4.8   | 6.5                              | 4.0    |
|           | 200-220 | 1.8                                  | 2.4  |       |       | .6    |       |       |       |       |       |       | 4.8   | 7.1                              | 5.5    |
|           | 230-250 | 3.6                                  |      |       |       |       |       |       |       |       |       |       | 3.6   | 2.3                              | 2.0    |
| (W)       | 260-280 | 3.0                                  | 1.8  | 1.8   | .6    |       |       |       |       |       |       |       | 7.2   | 6.6                              | 6.5    |
|           | 290-310 | 9.0                                  | 6.0  | 4.2   | .6    |       |       |       |       |       |       |       | 19.8  | 6.5                              | 6.0    |
|           | 320-340 | 7.8                                  | 3.6  | 2.4   | 1.2   |       |       |       |       |       |       |       | 15.0  | 6.4                              | 4.0    |
| VARIABLE  |         |                                      |      |       |       |       |       |       |       |       |       |       |       |                                  |        |
| CALM      |         | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 26.3  | //////////////////////////////// |        |
| TOTALS    |         | 39.6                                 | 20.4 | 9.6   | 2.4   | 1.2   | .6    |       |       |       |       |       | 100.0 | 4.3                              | 4.0    |

TOTAL NUMBER OF OBSERVATIONS: 167

|          |           |          |           |          |
|----------|-----------|----------|-----------|----------|
| PPPPPPPP | AAAAAA    | RRRRRRRR | TTTTTTTTT | DDDDDDDD |
| PPPPPPPP | AAAAAAA   | RRRRRRRR | TTTTTTTTT | DDDDDDDD |
| PP PP    | AA AA     | RR RR    | TT        | DD DD    |
| PP PP    | AA AA     | RR RR    | TT        | DD DD    |
| PPPPPPPP | AA AA     | RRRRRRRR | TT        | DD DD    |
| PPPPPPPP | AAAAAAAAA | RRRRRRRR | TT        | DD DD    |
| PP       | AAAAAAAAA | RR RR    | TT        | DD DD    |
| PP       | AA AA     | RR RR    | TT        | DD DD    |
| PP       | AA AA     | RR RR    | TT        | DDDDDDDD |
| PP       | AA AA     | RR RR    | TT        | DDDDDDDD |

PART D

CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VS VISIBILITY--PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY IS A BIVARIATE DISTRIBUTION OF PERCENTAGE FREQUENCY BY CLASSES OF CEILING (FROM ZERO FEET TO 20,000 FEET-- "NO CEILING" IS A SEPARATE CLASS) VERSUS VISIBILITY CLASSES (FROM ZERO MILES (METERS) TO GREATER THAN OR EQUAL TO 7 STATUTE MILES (11,200 METERS)). THE TABLES SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

BECAUSE OF THE CUMULATIVE NATURE OF THESE SUMMARIES, IT IS POSSIBLE TO DETERMINE THE PERCENTAGE OCCURRENCE FREQUENCY (POF) FOR ANY GIVEN CEILING AND/OR VISIBILITY LIMIT(S), EITHER SEPARATELY OR IN ANY COMBINATION. TOTALS PROGRESS FROM RIGHT TO LEFT AND FROM BOTTOM TO TOP. TO DETERMINE CEILING ALONE, REFER TO THE EXTREME RIGHT-HAND COLUMN (ZERO VISIBILITY). TO DETERMINE VISIBILITY ALONE, REFER TO THE BOTTOM ROW (ZERO CEILINGS). DETERMINE THE POF THAT MEETS OR EXCEEDS ANY GIVEN SET OF MAXIMA BY READING THE VALUE AT THE INTERSECTION OF THE APPROPRIATE CEILING ROW AND VISIBILITY COLUMN.

NOTE 1: IN JANUARY 1968, METAR STATIONS BEGAN REPORTING VISIBILITIES TO 6 STATUTE MILES OR 9000 METERS. VALUES EXCEEDING 9000 METERS ARE REPORTED AS "9999."

NOTE 2: FOR OVERSEAS CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS GREATER THAN 5000 FEET APPEAR IN THE 5000 FEET CLASS.

CONVERSIONS: 1 STATUTE MILE = 1,609.344 METERS = .868971 NAUTICAL MILES.  
FOR CONVENIENCE, THE CONVERSION OFTEN USED IS 1 STATUTE MILE = 1,600 METERS.

SKY COVER--PERCENT OCCURRENCE FREQUENCY.

ALSO CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY GIVES PERCENTAGE OCCURRENCE FREQUENCY (POF) OF SKY COVER IN EIGHTHS FOR SYNOPTIC STATIONS, BUT AS CLEAR, SCATTERED, BROKEN, OVERCAST, PARTIALLY OBSCURED, OR TOTALLY OBSCURED FOR AIRWAYS STATIONS. FOR AIRWAYS STATIONS, THIS SUMMARY ALSO GIVES POF FOR SKY COVER GREATER THAN ONE-HALF (I.E., 6/10). DATA IS SUMMARIZED THE SAME AS FOR PREVIOUS TABLE.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR METAR REPORTING STATIONS.

NOTE 2. AIRWAYS STATIONS THAT HAVE REPORTED IN SYNOPTIC CODE HAVE HAD THEIR  
SYNOPTIC SKY COVER REPORTS CONVERTED AS FOLLOWS:

0/8.....CLEAR

1/8 THRU 4/8.....SCATTERED

5/8 THRU 7/8.....BROKEN

8/8.....OVERCAST

NOTE 3. "PARTIAL OBSCURATION" IS A SEPARATE CATEGORY NOT INCLUDED IN  
COMPUTATION OF "GREATER THAN 1/2" PERCENTAGES. "TOTAL OBSCURATIONS,"  
HOWEVER, ARE INCLUDED.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JAN HOURS: 00-02

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 75.3                        | 75.3    | 75.3    | 75.3    | 75.4    | 75.4        | 75.4    | 75.4        | 75.4        | 75.4    | 75.4      | 75.4      | 75.4      | 75.4      | 75.4      | 75.4    |
| GE 20000              | 78.9                        | 78.9    | 78.9    | 78.9    | 79.0    | 79.0        | 79.0    | 79.0        | 79.0        | 79.0    | 79.0      | 79.0      | 79.0      | 79.0      | 79.0      | 79.0    |
| GE 18000              | 79.0                        | 79.0    | 79.0    | 79.0    | 79.1    | 79.1        | 79.1    | 79.1        | 79.1        | 79.1    | 79.1      | 79.1      | 79.1      | 79.1      | 79.1      | 79.1    |
| GE 16000              | 79.0                        | 79.0    | 79.0    | 79.0    | 79.1    | 79.1        | 79.1    | 79.1        | 79.1        | 79.1    | 79.1      | 79.1      | 79.1      | 79.1      | 79.1      | 79.1    |
| GE 14000              | 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      | 79.5      | 79.5      | 79.5    |
| GE 12000              | 81.6                        | 81.6    | 81.6    | 81.6    | 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 10000              | 84.7                        | 84.7    | 84.7    | 84.7    | 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 9000               | 85.9                        | 85.9    | 85.9    | 85.9    | 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 8000               | 86.0                        | 86.0    | 86.0    | 86.0    | 86.2    | 86.2        | 86.2    | 86.2        | 86.2        | 86.2    | 86.2      | 86.2      | 86.2      | 86.2      | 86.2      | 86.2    |
| GE 7000               | 86.7                        | 86.7    | 86.7    | 86.7    | 86.9    | 86.9        | 86.9    | 86.9        | 86.9        | 86.9    | 86.9      | 86.9      | 86.9      | 86.9      | 86.9      | 86.9    |
| GE 6000               | 89.2                        | 89.2    | 89.2    | 89.2    | 89.5    | 89.5        | 89.5    | 89.5        | 89.5        | 89.5    | 89.5      | 89.5      | 89.5      | 89.5      | 89.5      | 89.5    |
| GE 5000               | 94.7                        | 94.7    | 94.8    | 94.9    | 95.2    | 95.2        | 95.2    | 95.2        | 95.2        | 95.2    | 95.2      | 95.2      | 95.2      | 95.2      | 95.2      | 95.2    |
| GE 4500               | 95.3                        | 95.3    | 95.4    | 95.5    | 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 4000               | 98.2                        | 98.2    | 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      | 98.6    |
| GE 3500               | 98.7                        | 98.7    | 98.8    | 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    |
| GE 3000               | 99.2                        | 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    |
| GE 2500               | 99.4                        | 99.4    | 99.5    | 99.6    | 99.8    | 99.8        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.8      | 99.8      | 99.8    |
| GE 2000               | 99.4                        | 99.4    | 99.5    | 99.6    | 99.8    | 99.8        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.8      | 99.8      | 99.8    |
| GE 1800               | 99.4                        | 99.4    | 99.5    | 99.6    | 99.8    | 99.8        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.8      | 99.8      | 99.8    |
| GE 1500               | 99.4                        | 99.4    | 99.5    | 99.6    | 99.8    | 99.8        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.8      | 99.8      | 99.8    |
| GE 1200               | 99.4                        | 99.4    | 99.5    | 99.6    | 99.8    | 99.8        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.8      | 99.8      | 99.8    |
| GE 1000               | 99.4                        | 99.4    | 99.5    | 99.6    | 99.8    | 99.8        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.8      | 99.8      | 99.8    |
| GE 900                | 99.4                        | 99.4    | 99.5    | 99.6    | 99.8    | 99.8        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.8      | 99.8      | 99.8    |
| GE 800                | 99.4                        | 99.4    | 99.5    | 99.6    | 99.8    | 99.8        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.8      | 99.8      | 99.8    |
| GE 700                | 99.4                        | 99.4    | 99.5    | 99.6    | 99.8    | 99.8        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.8      | 99.8      | 99.8    |
| GE 600                | 99.4                        | 99.4    | 99.5    | 99.6    | 99.8    | 99.8        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.8      | 99.8      | 99.8    |
| GE 500                | 99.4                        | 99.4    | 99.5    | 99.6    | 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 400                | 99.4                        | 99.4    | 99.5    | 99.6    | 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                | 99.4                        | 99.4    | 99.5    | 99.6    | 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 200                | 99.4                        | 99.4    | 99.5    | 99.6    | 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 100                | 99.4                        | 99.4    | 99.5    | 99.6    | 99.8    | 99.8        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.9      | 99.9      | 99.9      | 100.0   |
| GE 000                | 99.4                        | 99.4    | 99.5    | 99.6    | 99.8    | 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 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JAN HOURS: 03-05

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 74.1                        | 74.1    | 74.1    | 74.2    | 74.2    | 74.2        | 74.2    | 74.2        | 74.2        | 74.2    | 74.2      | 74.2      | 74.3      | 74.3      | 74.3      | 74.3    |
| GE 20000              | 78.4                        | 78.4    | 78.4    | 78.5    | 78.5    | 78.5        | 78.5    | 78.5        | 78.5        | 78.5    | 78.5      | 78.5      | 78.6      | 78.6      | 78.6      | 78.6    |
| GE 18000              | 78.7                        | 78.7    | 78.7    | 78.8    | 78.8    | 78.8        | 78.8    | 78.8        | 78.8        | 78.8    | 78.8      | 78.8      | 78.9      | 78.9      | 78.9      | 78.9    |
| GE 16000              | 78.7                        | 78.7    | 78.7    | 78.8    | 78.8    | 78.8        | 78.8    | 78.8        | 78.8        | 78.8    | 78.8      | 78.8      | 78.9      | 78.9      | 78.9      | 78.9    |
| GE 14000              | 78.9                        | 78.9    | 78.9    | 79.0    | 79.0    | 79.0        | 79.0    | 79.0        | 79.0        | 79.0    | 79.0      | 79.0      | 79.1      | 79.1      | 79.1      | 79.1    |
| GE 12000              | 80.9                        | 80.9    | 80.9    | 81.0    | 81.1    | 81.1        | 81.1    | 81.1        | 81.1        | 81.1    | 81.1      | 81.1      | 81.2      | 81.2      | 81.2      | 81.2    |
| GE 10000              | 84.4                        | 84.4    | 84.4    | 84.5    | 84.6    | 84.6        | 84.6    | 84.6        | 84.6        | 84.6    | 84.6      | 84.6      | 84.7      | 84.7      | 84.7      | 84.7    |
| GE 9000               | 85.4                        | 85.4    | 85.4    | 85.5    | 85.6    | 85.6        | 85.6    | 85.6        | 85.6        | 85.6    | 85.6      | 85.6      | 85.7      | 85.7      | 85.7      | 85.7    |
| GE 8000               | 86.8                        | 86.8    | 86.8    | 86.9    | 87.0    | 87.0        | 87.0    | 87.0        | 87.0        | 87.0    | 87.0      | 87.0      | 87.1      | 87.1      | 87.1      | 87.1    |
| GE 7000               | 86.9                        | 86.9    | 86.9    | 87.0    | 87.1    | 87.1        | 87.1    | 87.1        | 87.1        | 87.1    | 87.1      | 87.1      | 87.2      | 87.2      | 87.2      | 87.2    |
| GE 6000               | 89.2                        | 89.2    | 89.2    | 89.4    | 89.5    | 89.5        | 89.5    | 89.5        | 89.5        | 89.5    | 89.5      | 89.5      | 89.6      | 89.6      | 89.6      | 89.6    |
| GE 5000               | 93.9                        | 93.9    | 93.9    | 94.0    | 94.1    | 94.1        | 94.1    | 94.1        | 94.1        | 94.1    | 94.1      | 94.1      | 94.2      | 94.2      | 94.2      | 94.2    |
| GE 4500               | 94.9                        | 94.9    | 94.9    | 95.1    | 95.2    | 95.2        | 95.2    | 95.2        | 95.2        | 95.2    | 95.2      | 95.2      | 95.3      | 95.3      | 95.3      | 95.3    |
| GE 4000               | 98.0                        | 98.0    | 98.0    | 98.1    | 98.2    | 98.2        | 98.2    | 98.2        | 98.2        | 98.2    | 98.2      | 98.2      | 98.3      | 98.3      | 98.3      | 98.3    |
| GE 3500               | 98.3                        | 98.3    | 98.3    | 98.5    | 98.6    | 98.6        | 98.6    | 98.6        | 98.6        | 98.6    | 98.6      | 98.6      | 98.7      | 98.7      | 98.7      | 98.7    |
| GE 3000               | 98.7                        | 98.7    | 98.7    | 98.9    | 99.0    | 99.0        | 99.0    | 99.0        | 99.0        | 99.0    | 99.0      | 99.0      | 99.1      | 99.1      | 99.1      | 99.1    |
| GE 2500               | 98.7                        | 98.9    | 98.9    | 99.1    | 99.2    | 99.2        | 99.2    | 99.2        | 99.2        | 99.2    | 99.2      | 99.2      | 99.4      | 99.4      | 99.4      | 99.4    |
| GE 2000               | 98.7                        | 98.9    | 98.9    | 99.1    | 99.2    | 99.2        | 99.2    | 99.2        | 99.2        | 99.2    | 99.2      | 99.2      | 99.4      | 99.4      | 99.4      | 99.4    |
| GE 1800               | 98.7                        | 98.9    | 98.9    | 99.1    | 99.2    | 99.2        | 99.2    | 99.2        | 99.2        | 99.2    | 99.2      | 99.2      | 99.4      | 99.4      | 99.4      | 99.4    |
| GE 1500               | 98.7                        | 98.9    | 98.9    | 99.1    | 99.2    | 99.2        | 99.2    | 99.2        | 99.2        | 99.2    | 99.2      | 99.2      | 99.4      | 99.4      | 99.4      | 99.4    |
| GE 1200               | 98.7                        | 98.9    | 98.9    | 99.1    | 99.2    | 99.2        | 99.2    | 99.2        | 99.2        | 99.2    | 99.2      | 99.2      | 99.4      | 99.4      | 99.4      | 99.4    |
| GE 1000               | 98.7                        | 98.9    | 98.9    | 99.1    | 99.2    | 99.2        | 99.2    | 99.2        | 99.2        | 99.4    | 99.4      | 99.4      | 99.5      | 99.5      | 99.5      | 99.5    |
| GE 900                | 98.7                        | 98.9    | 98.9    | 99.1    | 99.2    | 99.2        | 99.2    | 99.2        | 99.2        | 99.4    | 99.4      | 99.4      | 99.5      | 99.5      | 99.5      | 99.5    |
| GE 800                | 98.7                        | 98.9    | 98.9    | 99.1    | 99.2    | 99.2        | 99.2    | 99.2        | 99.2        | 99.4    | 99.4      | 99.4      | 99.5      | 99.5      | 99.5      | 99.5    |
| GE 700                | 98.7                        | 98.9    | 98.9    | 99.1    | 99.2    | 99.2        | 99.2    | 99.2        | 99.2        | 99.4    | 99.4      | 99.4      | 99.5      | 99.5      | 99.5      | 99.5    |
| GE 600                | 98.7                        | 98.9    | 98.9    | 99.1    | 99.2    | 99.2        | 99.2    | 99.2        | 99.2        | 99.4    | 99.4      | 99.4      | 99.5      | 99.5      | 99.5      | 99.5    |
| GE 500                | 98.9                        | 99.1    | 99.1    | 99.4    | 99.6    | 99.6        | 99.6    | 99.6        | 99.6        | 99.7    | 99.7      | 99.7      | 99.8      | 99.8      | 99.8      | 99.8    |
| GE 400                | 98.9                        | 99.1    | 99.1    | 99.4    | 99.6    | 99.6        | 99.6    | 99.6        | 99.6        | 99.7    | 99.7      | 99.7      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 300                | 98.9                        | 99.1    | 99.1    | 99.4    | 99.6    | 99.6        | 99.6    | 99.6        | 99.6        | 99.7    | 99.7      | 99.7      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 200                | 98.9                        | 99.1    | 99.1    | 99.4    | 99.6    | 99.6        | 99.6    | 99.6        | 99.6        | 99.8    | 99.8      | 99.8      | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 100                | 98.9                        | 99.1    | 99.1    | 99.4    | 99.6    | 99.6        | 99.6    | 99.6        | 99.6        | 99.8    | 99.8      | 99.8      | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 000                | 98.9                        | 99.1    | 99.1    | 99.4    | 99.6    | 99.6        | 99.6    | 99.6        | 99.6        | 99.8    | 99.8      | 99.8      | 100.0     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JAN HOURS: 06-08

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 73.4                        | 73.5    | 73.5    | 73.5    | 73.5    | 73.5        | 73.7    | 73.7        | 73.7        | 73.7    | 73.7      | 73.7      | 73.7      | 73.7      | 73.8      | 73.8    |
| GE 20000              | 77.7                        | 77.8    | 77.8    | 77.8    | 77.8    | 77.8        | 78.0    | 78.0        | 78.0        | 78.0    | 78.0      | 78.0      | 78.0      | 78.0      | 78.1      | 78.1    |
| GE 18000              | 78.0                        | 78.1    | 78.1    | 78.1    | 78.1    | 78.1        | 78.2    | 78.2        | 78.2        | 78.2    | 78.2      | 78.2      | 78.2      | 78.2      | 78.3      | 78.3    |
| GE 16000              | 78.0                        | 78.1    | 78.1    | 78.1    | 78.1    | 78.1        | 78.2    | 78.2        | 78.2        | 78.2    | 78.2      | 78.2      | 78.2      | 78.2      | 78.3      | 78.3    |
| GE 14000              | 78.8                        | 78.9    | 78.9    | 78.9    | 78.9    | 78.9        | 79.0    | 79.0        | 79.0        | 79.0    | 79.0      | 79.0      | 79.0      | 79.0      | 79.1      | 79.1    |
| GE 12000              | 81.1                        | 81.2    | 81.2    | 81.2    | 81.2    | 81.2        | 81.3    | 81.3        | 81.3        | 81.3    | 81.3      | 81.3      | 81.4      | 81.4      | 81.5      | 81.5    |
| GE 10000              | 84.8                        | 84.9    | 84.9    | 84.9    | 84.9    | 84.9        | 85.1    | 85.1        | 85.1        | 85.1    | 85.1      | 85.1      | 85.2      | 85.2      | 85.3      | 85.3    |
| GE 9000               | 85.5                        | 85.6    | 85.6    | 85.6    | 85.6    | 85.6        | 85.7    | 85.7        | 85.7        | 85.7    | 85.7      | 85.7      | 85.8      | 85.8      | 85.9      | 85.9    |
| GE 8000               | 86.6                        | 86.7    | 86.7    | 86.7    | 86.7    | 86.7        | 86.8    | 86.8        | 86.8        | 86.8    | 86.8      | 86.8      | 86.9      | 86.9      | 87.0      | 87.0    |
| GE 7000               | 87.3                        | 87.4    | 87.4    | 87.4    | 87.4    | 87.4        | 87.5    | 87.5        | 87.5        | 87.5    | 87.5      | 87.5      | 87.6      | 87.6      | 87.7      | 87.7    |
| GE 6000               | 89.6                        | 89.7    | 89.7    | 89.7    | 89.7    | 89.7        | 89.8    | 89.8        | 89.8        | 89.8    | 89.8      | 89.8      | 89.9      | 89.9      | 90.0      | 90.0    |
| GE 5000               | 93.2                        | 93.3    | 93.3    | 93.3    | 93.3    | 93.3        | 93.4    | 93.4        | 93.4        | 93.4    | 93.4      | 93.4      | 93.5      | 93.5      | 93.7      | 93.7    |
| GE 4500               | 94.7                        | 94.8    | 94.8    | 94.8    | 94.8    | 94.8        | 94.9    | 94.9        | 94.9        | 94.9    | 94.9      | 94.9      | 95.1      | 95.1      | 95.2      | 95.2    |
| GE 4000               | 97.1                        | 97.4    | 97.4    | 97.4    | 97.4    | 97.4        | 97.6    | 97.6        | 97.6        | 97.6    | 97.6      | 97.6      | 97.7      | 97.7      | 97.8      | 97.8    |
| GE 3500               | 97.6                        | 98.0    | 98.0    | 98.0    | 98.0    | 98.0        | 98.2    | 98.2        | 98.2        | 98.2    | 98.2      | 98.2      | 98.3      | 98.3      | 98.4      | 98.4    |
| GE 3000               | 98.0                        | 98.3    | 98.4    | 98.4    | 98.4    | 98.4        | 98.6    | 98.6        | 98.6        | 98.6    | 98.6      | 98.6      | 98.7      | 98.7      | 98.8      | 98.8    |
| GE 2500               | 98.2                        | 98.6    | 98.8    | 98.8    | 98.9    | 98.9        | 99.1    | 99.1        | 99.1        | 99.1    | 99.1      | 99.1      | 99.2      | 99.2      | 99.4      | 99.4    |
| GE 2000               | 98.2                        | 98.7    | 98.9    | 98.9    | 99.0    | 99.0        | 99.2    | 99.2        | 99.2        | 99.2    | 99.2      | 99.2      | 99.4      | 99.4      | 99.5      | 99.5    |
| GE 1800               | 98.2                        | 98.7    | 98.9    | 98.9    | 99.0    | 99.0        | 99.2    | 99.2        | 99.2        | 99.2    | 99.2      | 99.2      | 99.4      | 99.4      | 99.5      | 99.5    |
| GE 1500               | 98.2                        | 98.7    | 99.0    | 99.0    | 99.2    | 99.2        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.6      | 99.6      | 99.7      | 99.7    |
| GE 1200               | 98.2                        | 98.7    | 99.0    | 99.0    | 99.2    | 99.2        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.6      | 99.6      | 99.7      | 99.7    |
| GE 1000               | 98.3                        | 98.8    | 99.1    | 99.1    | 99.4    | 99.4        | 99.6    | 99.6        | 99.6        | 99.7    | 99.7      | 99.7      | 99.8      | 99.8      | 99.9      | 99.9    |
| GE 900                | 98.3                        | 98.8    | 99.1    | 99.1    | 99.4    | 99.4        | 99.6    | 99.6        | 99.6        | 99.7    | 99.7      | 99.7      | 99.8      | 99.8      | 99.9      | 99.9    |
| GE 800                | 98.3                        | 98.8    | 99.1    | 99.1    | 99.4    | 99.4        | 99.6    | 99.6        | 99.6        | 99.7    | 99.7      | 99.7      | 99.8      | 99.8      | 99.9      | 99.9    |
| GE 700                | 98.3                        | 98.8    | 99.1    | 99.1    | 99.4    | 99.4        | 99.6    | 99.6        | 99.6        | 99.7    | 99.7      | 99.7      | 99.8      | 99.8      | 99.9      | 99.9    |
| GE 600                | 98.3                        | 98.8    | 99.1    | 99.1    | 99.4    | 99.4        | 99.6    | 99.7        | 99.7        | 99.8    | 99.8      | 99.8      | 99.9      | 99.9      | 100.0     | 100.0   |
| GE 500                | 98.3                        | 98.8    | 99.1    | 99.1    | 99.4    | 99.4        | 99.6    | 99.7        | 99.7        | 99.8    | 99.8      | 99.8      | 99.9      | 99.9      | 100.0     | 100.0   |
| GE 400                | 98.3                        | 98.8    | 99.1    | 99.1    | 99.4    | 99.4        | 99.6    | 99.7        | 99.7        | 99.8    | 99.8      | 99.8      | 99.9      | 99.9      | 100.0     | 100.0   |
| GE 300                | 98.3                        | 98.8    | 99.1    | 99.1    | 99.4    | 99.4        | 99.6    | 99.7        | 99.7        | 99.8    | 99.8      | 99.8      | 99.9      | 99.9      | 100.0     | 100.0   |
| GE 200                | 98.3                        | 98.8    | 99.1    | 99.1    | 99.4    | 99.4        | 99.6    | 99.7        | 99.7        | 99.8    | 99.8      | 99.8      | 99.9      | 99.9      | 100.0     | 100.0   |
| GE 100                | 98.3                        | 98.8    | 99.1    | 99.1    | 99.4    | 99.4        | 99.6    | 99.7        | 99.7        | 99.8    | 99.8      | 99.8      | 99.9      | 99.9      | 100.0     | 100.0   |
| GE 000                | 98.3                        | 98.8    | 99.1    | 99.1    | 99.4    | 99.4        | 99.6    | 99.7        | 99.7        | 99.8    | 99.8      | 99.8      | 99.9      | 99.9      | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JAN HOURS: 09-11

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 74.0                        | 74.0    | 74.0    | 74.0    | 74.0    | 74.0        | 74.0    | 74.0        | 74.0        | 74.0    | 74.0      | 74.0      | 74.0      | 74.0      | 74.0      | 74.0    |
| GE 20000              | 80.4                        | 80.4    | 80.4    | 80.4    | 80.4    | 80.4        | 80.4    | 80.4        | 80.4        | 80.4    | 80.4      | 80.4      | 80.4      | 80.4      | 80.4      | 80.4    |
| GE 18000              | 80.5                        | 80.5    | 80.5    | 80.5    | 80.5    | 80.5        | 80.5    | 80.5        | 80.5        | 80.5    | 80.5      | 80.5      | 80.5      | 80.5      | 80.5      | 80.5    |
| GE 16000              | 80.5                        | 80.5    | 80.5    | 80.5    | 80.5    | 80.5        | 80.5    | 80.5        | 80.5        | 80.5    | 80.5      | 80.5      | 80.5      | 80.5      | 80.5      | 80.5    |
| GE 14000              | 82.4                        | 82.4    | 82.4    | 82.4    | 82.4    | 82.4        | 82.4    | 82.4        | 82.4        | 82.4    | 82.4      | 82.4      | 82.4      | 82.4      | 82.4      | 82.4    |
| GE 12000              | 84.7                        | 84.7    | 84.7    | 84.7    | 84.7    | 84.7        | 84.7    | 84.7        | 84.7        | 84.7    | 84.7      | 84.7      | 84.7      | 84.7      | 84.7      | 84.7    |
| GE 10000              | 87.5                        | 87.5    | 87.5    | 87.5    | 87.5    | 87.5        | 87.5    | 87.5        | 87.5        | 87.5    | 87.5      | 87.5      | 87.5      | 87.5      | 87.5      | 87.5    |
| GE 9000               | 88.2                        | 88.2    | 88.2    | 88.2    | 88.2    | 88.2        | 88.2    | 88.2        | 88.2        | 88.2    | 88.2      | 88.2      | 88.2      | 88.2      | 88.2      | 88.2    |
| GE 8000               | 89.1                        | 89.1    | 89.1    | 89.2    | 89.2    | 89.2        | 89.2    | 89.2        | 89.2        | 89.2    | 89.2      | 89.2      | 89.2      | 89.2      | 89.4      | 89.4    |
| GE 7000               | 90.2                        | 90.2    | 90.2    | 90.3    | 90.3    | 90.3        | 90.3    | 90.3        | 90.3        | 90.3    | 90.3      | 90.3      | 90.3      | 90.3      | 90.4      | 90.4    |
| GE 6000               | 92.4                        | 92.4    | 92.4    | 92.6    | 92.6    | 92.6        | 92.6    | 92.6        | 92.6        | 92.6    | 92.6      | 92.6      | 92.6      | 92.6      | 92.7      | 92.7    |
| GE 5000               | 95.2                        | 95.2    | 95.2    | 95.4    | 95.4    | 95.4        | 95.4    | 95.4        | 95.4        | 95.4    | 95.4      | 95.4      | 95.4      | 95.4      | 95.5      | 95.5    |
| GE 4500               | 96.0                        | 96.0    | 96.0    | 96.2    | 96.2    | 96.2        | 96.2    | 96.2        | 96.2        | 96.2    | 96.2      | 96.2      | 96.2      | 96.2      | 96.3      | 96.3    |
| GE 4000               | 97.5                        | 97.5    | 98.0    | 98.2    | 98.3    | 98.3        | 98.3    | 98.3        | 98.3        | 98.3    | 98.3      | 98.3      | 98.3      | 98.3      | 98.4      | 98.4    |
| GE 3500               | 97.6                        | 97.6    | 98.1    | 98.3    | 98.4    | 98.4        | 98.4    | 98.4        | 98.4        | 98.4    | 98.4      | 98.4      | 98.4      | 98.4      | 98.5      | 98.5    |
| GE 3000               | 97.6                        | 97.6    | 98.1    | 98.3    | 98.4    | 98.4        | 98.4    | 98.4        | 98.4        | 98.4    | 98.4      | 98.4      | 98.4      | 98.4      | 98.5      | 98.5    |
| GE 2500               | 97.8                        | 97.8    | 98.4    | 98.6    | 98.7    | 98.7        | 98.7    | 98.7        | 98.7        | 98.7    | 98.7      | 98.7      | 98.7      | 98.7      | 98.8      | 98.8    |
| GE 2000               | 98.2                        | 98.2    | 98.7    | 98.9    | 99.0    | 99.0        | 99.0    | 99.0        | 99.0        | 99.0    | 99.0      | 99.0      | 99.0      | 99.0      | 99.1      | 99.1    |
| GE 1800               | 98.2                        | 98.2    | 98.7    | 98.9    | 99.0    | 99.0        | 99.0    | 99.0        | 99.0        | 99.0    | 99.0      | 99.0      | 99.0      | 99.0      | 99.1      | 99.1    |
| GE 1500               | 98.3                        | 98.3    | 98.9    | 99.1    | 99.2    | 99.2        | 99.2    | 99.2        | 99.2        | 99.2    | 99.2      | 99.2      | 99.2      | 99.2      | 99.4      | 99.4    |
| GE 1200               | 98.3                        | 98.3    | 98.9    | 99.1    | 99.2    | 99.2        | 99.2    | 99.2        | 99.2        | 99.2    | 99.2      | 99.2      | 99.2      | 99.2      | 99.4      | 99.4    |
| GE 1000               | 98.4                        | 98.4    | 99.4    | 99.6    | 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 900                | 98.4                        | 98.4    | 99.4    | 99.6    | 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 800                | 98.4                        | 98.4    | 99.4    | 99.6    | 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 700                | 98.4                        | 98.4    | 99.4    | 99.6    | 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 600                | 98.4                        | 98.4    | 99.4    | 99.6    | 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 500                | 98.4                        | 98.4    | 99.4    | 99.6    | 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 400                | 98.4                        | 98.4    | 99.4    | 99.6    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.8      | 99.9      | 99.9    |
| GE 300                | 98.4                        | 98.4    | 99.4    | 99.6    | 99.7    | 99.7        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.9      | 100.0     | 100.0   |
| GE 200                | 98.4                        | 98.4    | 99.4    | 99.6    | 99.7    | 99.7        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.9      | 100.0     | 100.0   |
| GE 100                | 98.4                        | 98.4    | 99.4    | 99.6    | 99.7    | 99.7        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.9      | 100.0     | 100.0   |
| GE 000                | 98.4                        | 98.4    | 99.4    | 99.6    | 99.7    | 99.7        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.9      | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO TC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JAN HOURS: 12-14

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 71.9                        | 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      | 72.0    |
| GE 20000              | 80.5                        | 80.6    | 80.6    | 80.6    | 80.6    | 80.6        | 80.6    | 80.6        | 80.6        | 80.6    | 80.6      | 80.6      | 80.6      | 80.6      | 80.6      | 80.6    |
| GE 18000              | 80.9                        | 81.0    | 81.0    | 81.0    | 81.0    | 81.0        | 81.0    | 81.0        | 81.0        | 81.0    | 81.0      | 81.0      | 81.0      | 81.0      | 81.0      | 81.0    |
| GE 16000              | 80.9                        | 81.0    | 81.0    | 81.0    | 81.0    | 81.0        | 81.0    | 81.0        | 81.0        | 81.0    | 81.0      | 81.0      | 81.0      | 81.0      | 81.0      | 81.0    |
| GE 14000              | 81.5                        | 81.6    | 81.6    | 81.6    | 81.6    | 81.6        | 81.6    | 81.6        | 81.6        | 81.6    | 81.6      | 81.6      | 81.6      | 81.6      | 81.6      | 81.6    |
| GE 12000              | 84.5                        | 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      | 84.6      | 84.6    |
| GE 10000              | 86.9                        | 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      | 87.0      | 87.0    |
| GE 9000               | 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      | 88.2      | 88.2      | 88.2    |
| GE 8000               | 89.0                        | 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      | 89.2    |
| GE 7000               | 89.9                        | 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      | 90.1      | 90.1    |
| GE 6000               | 91.8                        | 92.0    | 92.0    | 92.0    | 92.0    | 92.0        | 92.0    | 92.0        | 92.0        | 92.0    | 92.0      | 92.0      | 92.0      | 92.0      | 92.0      | 92.0    |
| GE 5000               | 95.5                        | 95.7    | 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 4500               | 96.0                        | 96.2    | 96.3    | 96.3    | 96.3    | 96.3        | 96.5    | 96.5        | 96.5        | 96.5    | 96.5      | 96.5      | 96.5      | 96.5      | 96.5      | 96.5    |
| GE 4000               | 97.7                        | 98.1    | 98.3    | 98.3    | 98.3    | 98.3        | 98.5    | 98.5        | 98.5        | 98.5    | 98.5      | 98.5      | 98.5      | 98.5      | 98.5      | 98.5    |
| GE 3500               | 98.2                        | 98.5    | 98.7    | 98.7    | 98.7    | 98.7        | 98.9    | 98.9        | 98.9        | 98.9    | 98.9      | 98.9      | 98.9      | 98.9      | 98.9      | 98.9    |
| GE 3000               | 98.4                        | 98.7    | 98.9    | 98.9    | 98.9    | 98.9        | 99.1    | 99.1        | 99.1        | 99.1    | 99.1      | 99.1      | 99.1      | 99.1      | 99.1      | 99.1    |
| GE 2500               | 98.7                        | 99.0    | 99.2    | 99.2    | 99.2    | 99.2        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.5      | 99.5      | 99.5    |
| GE 2000               | 98.7                        | 99.0    | 99.2    | 99.4    | 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 1800               | 98.7                        | 99.0    | 99.2    | 99.4    | 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 1500               | 98.7                        | 99.0    | 99.2    | 99.4    | 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 1200               | 98.7                        | 99.0    | 99.2    | 99.4    | 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 1000               | 98.7                        | 99.0    | 99.2    | 99.4    | 99.5    | 99.5        | 99.9    | 99.9        | 99.9        | 99.9    | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 900                | 98.7                        | 99.0    | 99.2    | 99.4    | 99.5    | 99.5        | 99.9    | 99.9        | 99.9        | 99.9    | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 800                | 98.7                        | 99.0    | 99.2    | 99.4    | 99.5    | 99.5        | 99.9    | 99.9        | 99.9        | 99.9    | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 700                | 98.7                        | 99.0    | 99.2    | 99.4    | 99.5    | 99.5        | 99.9    | 99.9        | 99.9        | 99.9    | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 600                | 98.7                        | 99.0    | 99.2    | 99.4    | 99.5    | 99.5        | 99.9    | 99.9        | 99.9        | 99.9    | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 500                | 98.7                        | 99.0    | 99.2    | 99.4    | 99.5    | 99.5        | 99.9    | 99.9        | 99.9        | 99.9    | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 400                | 98.7                        | 99.0    | 99.2    | 99.4    | 99.5    | 99.5        | 99.9    | 99.9        | 99.9        | 99.9    | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 300                | 98.7                        | 99.0    | 99.2    | 99.4    | 99.5    | 99.5        | 99.9    | 99.9        | 99.9        | 99.9    | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 200                | 98.7                        | 99.0    | 99.2    | 99.4    | 99.5    | 99.5        | 99.9    | 99.9        | 99.9        | 99.9    | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 100                | 98.7                        | 99.0    | 99.2    | 99.4    | 99.5    | 99.5        | 99.9    | 99.9        | 99.9        | 99.9    | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 000                | 98.7                        | 99.0    | 99.2    | 99.4    | 99.5    | 99.5        | 99.9    | 99.9        | 99.9        | 99.9    | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JAN HOURS: 15-17

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 68.9                        | 68.9    | 68.9    | 68.9    | 68.9    | 68.9        | 68.9    | 68.9        | 68.9        | 68.9    | 68.9      | 68.9      | 68.9      | 68.9      | 68.9      | 68.9    |
| GE 20000              | 77.3                        | 77.4    | 77.4    | 77.4    | 77.4    | 77.4        | 77.4    | 77.4        | 77.4        | 77.4    | 77.4      | 77.4      | 77.4      | 77.4      | 77.4      | 77.4    |
| GE 18000              | 78.0                        | 78.1    | 78.1    | 78.1    | 78.1    | 78.1        | 78.1    | 78.1        | 78.1        | 78.1    | 78.1      | 78.1      | 78.1      | 78.1      | 78.1      | 78.1    |
| GE 16000              | 78.3                        | 78.4    | 78.4    | 78.4    | 78.4    | 78.4        | 78.4    | 78.4        | 78.4        | 78.4    | 78.4      | 78.4      | 78.4      | 78.4      | 78.4      | 78.4    |
| GE 14000              | 79.5                        | 79.6    | 79.6    | 79.6    | 79.6    | 79.6        | 79.6    | 79.6        | 79.6        | 79.6    | 79.6      | 79.6      | 79.6      | 79.6      | 79.6      | 79.6    |
| GE 12000              | 82.3                        | 82.4    | 82.4    | 82.4    | 82.4    | 82.4        | 82.4    | 82.4        | 82.4        | 82.4    | 82.4      | 82.4      | 82.4      | 82.4      | 82.4      | 82.4    |
| GE 10000              | 86.2                        | 86.3    | 86.3    | 86.3    | 86.3    | 86.3        | 86.3    | 86.3        | 86.3        | 86.3    | 86.3      | 86.3      | 86.3      | 86.3      | 86.3      | 86.3    |
| GE 9000               | 86.9                        | 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      | 87.0      | 87.0    |
| GE 8000               | 87.5                        | 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      | 87.6    |
| GE 7000               | 88.7                        | 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 6000               | 91.8                        | 91.9    | 91.9    | 91.9    | 91.9    | 91.9        | 91.9    | 91.9        | 91.9        | 91.9    | 91.9      | 91.9      | 91.9      | 91.9      | 91.9      | 91.9    |
| GE 5000               | 94.9                        | 95.1    | 95.1    | 95.1    | 95.1    | 95.1        | 95.1    | 95.1        | 95.1        | 95.1    | 95.1      | 95.1      | 95.1      | 95.1      | 95.1      | 95.1    |
| GE 4500               | 96.6                        | 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      | 96.7    |
| GE 4000               | 97.7                        | 98.1    | 98.2    | 98.2    | 98.3    | 98.3        | 98.3    | 98.3        | 98.3        | 98.3    | 98.3      | 98.3      | 98.3      | 98.3      | 98.3      | 98.3    |
| GE 3500               | 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      | 98.7      | 98.7      | 98.7    |
| GE 3000               | 98.8                        | 99.4    | 99.5    | 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 2500               | 98.9                        | 99.5    | 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      | 99.7    |
| GE 2000               | 98.9                        | 99.5    | 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      | 99.7    |
| GE 1800               | 98.9                        | 99.5    | 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      | 99.7    |
| GE 1500               | 98.9                        | 99.5    | 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      | 99.7    |
| GE 1200               | 98.9                        | 99.5    | 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      | 99.7    |
| GE 1000               | 98.9                        | 99.5    | 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      | 99.7    |
| GE 900                | 98.9                        | 99.5    | 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      | 99.7    |
| GE 800                | 98.9                        | 99.5    | 99.6    | 99.6    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.8      | 99.8      | 99.8      | 99.8      | 99.8      | 99.8    |
| GE 700                | 98.9                        | 99.5    | 99.6    | 99.6    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.8      | 99.8      | 99.8      | 99.8      | 99.8      | 99.8    |
| GE 600                | 98.9                        | 99.5    | 99.6    | 99.6    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.8      | 99.8      | 99.8      | 99.8      | 99.8      | 99.8    |
| GE 500                | 98.9                        | 99.5    | 99.6    | 99.6    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.8      | 99.8      | 99.8      | 100.0     | 100.0     | 100.0   |
| GE 400                | 98.9                        | 99.5    | 99.6    | 99.6    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.8      | 99.8      | 99.8      | 100.0     | 100.0     | 100.0   |
| GE 300                | 98.9                        | 99.5    | 99.6    | 99.6    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.8      | 99.8      | 99.8      | 100.0     | 100.0     | 100.0   |
| GE 200                | 98.9                        | 99.5    | 99.6    | 99.6    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.8      | 99.8      | 99.8      | 100.0     | 100.0     | 100.0   |
| GE 100                | 98.9                        | 99.5    | 99.6    | 99.6    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.8      | 99.8      | 99.8      | 100.0     | 100.0     | 100.0   |
| GE 000                | 98.9                        | 99.5    | 99.6    | 99.6    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.8      | 99.8      | 99.8      | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JAN HOURS: 18-20

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 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 20000              | 75.7                        | 75.7    | 75.7    | 75.7    | 75.7    | 75.7        | 75.7    | 75.7        | 75.7        | 75.7    | 75.7      | 75.7      | 75.7      | 75.7      | 75.7      | 75.7    |
| GE 18000              | 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      | 76.2      | 76.2      | 76.2    |
| GE 16000              | 76.5                        | 76.5    | 76.5    | 76.5    | 76.5    | 76.5        | 76.5    | 76.5        | 76.5        | 76.5    | 76.5      | 76.5      | 76.5      | 76.5      | 76.5      | 76.5    |
| GE 14000              | 78.7                        | 78.7    | 78.7    | 78.7    | 78.7    | 78.7        | 78.7    | 78.7        | 78.7        | 78.7    | 78.7      | 78.7      | 78.7      | 78.7      | 78.7      | 78.7    |
| GE 12000              | 80.9                        | 80.9    | 80.9    | 80.9    | 80.9    | 80.9        | 80.9    | 80.9        | 80.9        | 80.9    | 80.9      | 80.9      | 80.9      | 80.9      | 80.9      | 80.9    |
| GE 10000              | 84.4                        | 84.4    | 84.4    | 84.4    | 84.4    | 84.4        | 84.4    | 84.4        | 84.4        | 84.4    | 84.4      | 84.4      | 84.4      | 84.4      | 84.4      | 84.4    |
| GE 9000               | 86.0                        | 86.0    | 86.0    | 86.0    | 86.0    | 86.0        | 86.0    | 86.0        | 86.0        | 86.0    | 86.0      | 86.0      | 86.0      | 86.0      | 86.0      | 86.0    |
| GE 8000               | 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      | 86.1      | 86.1      | 86.1    |
| GE 7000               | 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      | 87.3      | 87.3      | 87.3    |
| GE 6000               | 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      | 90.6      | 90.6      | 90.6    |
| GE 5000               | 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 4500               | 95.8                        | 95.8    | 95.9    | 95.9    | 95.9    | 95.9        | 95.9    | 95.9        | 95.9        | 95.9    | 95.9      | 95.9      | 95.9      | 95.9      | 95.9      | 95.9    |
| GE 4000               | 97.2                        | 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      | 97.8      | 97.8    |
| GE 3500               | 97.4                        | 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      | 98.2      | 98.2    |
| GE 3000               | 98.0                        | 98.5    | 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      | 98.8    |
| GE 2500               | 98.2                        | 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    |
| GE 2000               | 98.3                        | 98.8    | 99.1    | 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 1800               | 98.3                        | 98.8    | 99.1    | 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 1500               | 98.4                        | 98.9    | 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      | 99.4    |
| GE 1200               | 98.4                        | 98.9    | 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      | 99.4    |
| GE 1000               | 98.5                        | 99.0    | 99.4    | 99.4    | 99.5    | 99.5        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.5      | 99.5      | 99.5    |
| GE 900                | 98.5                        | 99.0    | 99.4    | 99.4    | 99.5    | 99.5        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.5      | 99.5      | 99.5    |
| GE 800                | 98.5                        | 99.0    | 99.4    | 99.4    | 99.5    | 99.5        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.5      | 99.5      | 99.5    |
| GE 700                | 98.5                        | 99.0    | 99.4    | 99.4    | 99.5    | 99.5        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.5      | 99.5      | 99.5    |
| GE 600                | 98.5                        | 99.0    | 99.4    | 99.4    | 99.5    | 99.5        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.5      | 99.5      | 99.5    |
| GE 500                | 98.5                        | 99.0    | 99.6    | 99.6    | 99.7    | 99.7        | 99.8    | 99.8        | 99.8        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 400                | 98.5                        | 99.0    | 99.6    | 99.6    | 99.7    | 99.7        | 99.8    | 99.8        | 99.8        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 300                | 98.5                        | 99.0    | 99.6    | 99.6    | 99.7    | 99.7        | 99.8    | 99.8        | 99.8        | 99.9    | 99.9      | 99.9      | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 200                | 98.5                        | 99.0    | 99.6    | 99.6    | 99.7    | 99.7        | 99.8    | 99.8        | 99.8        | 99.9    | 99.9      | 99.9      | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 100                | 98.5                        | 99.0    | 99.6    | 99.6    | 99.7    | 99.7        | 99.8    | 99.8        | 99.8        | 99.9    | 99.9      | 99.9      | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 000                | 98.5                        | 99.0    | 99.6    | 99.6    | 99.7    | 99.7        | 99.8    | 99.8        | 99.8        | 99.9    | 99.9      | 99.9      | 100.0     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JAN HOURS: 21-23

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 71.9                        | 71.9    | 71.9    | 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 20000              | 76.6                        | 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      | 76.7      | 76.7    |
| GE 18000              | 76.9                        | 76.9    | 76.9    | 77.0    | 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 16000              | 76.9                        | 76.9    | 76.9    | 77.0    | 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 14000              | 77.5                        | 77.5    | 77.5    | 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 12000              | 80.1                        | 80.1    | 80.1    | 80.2    | 80.2    | 80.2        | 80.2    | 80.2        | 80.2        | 80.2    | 80.2      | 80.2      | 80.2      | 80.2      | 80.2      | 80.2    |
| GE 10000              | 84.1                        | 84.1    | 84.1    | 84.2    | 84.2    | 84.2        | 84.2    | 84.2        | 84.2        | 84.2    | 84.2      | 84.2      | 84.2      | 84.2      | 84.2      | 84.2    |
| GE 9000               | 85.1                        | 85.1    | 85.1    | 85.2    | 85.2    | 85.2        | 85.2    | 85.2        | 85.2        | 85.2    | 85.2      | 85.2      | 85.2      | 85.2      | 85.2      | 85.2    |
| GE 8000               | 85.2                        | 85.2    | 85.2    | 85.3    | 85.3    | 85.3        | 85.3    | 85.3        | 85.3        | 85.3    | 85.3      | 85.3      | 85.3      | 85.3      | 85.3      | 85.3    |
| GE 7000               | 86.3                        | 86.3    | 86.3    | 86.5    | 86.5    | 86.5        | 86.5    | 86.5        | 86.5        | 86.5    | 86.5      | 86.5      | 86.5      | 86.5      | 86.5      | 86.5    |
| GE 6000               | 88.9                        | 88.9    | 88.9    | 89.0    | 89.0    | 89.0        | 89.0    | 89.0        | 89.0        | 89.0    | 89.0      | 89.0      | 89.0      | 89.0      | 89.0      | 89.0    |
| GE 5000               | 93.0                        | 93.0    | 93.1    | 93.3    | 93.3    | 93.3        | 93.3    | 93.3        | 93.3        | 93.3    | 93.3      | 93.3      | 93.3      | 93.3      | 93.3      | 93.3    |
| GE 4500               | 94.0                        | 94.0    | 94.1    | 94.3    | 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 4000               | 97.2                        | 97.3    | 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      | 97.8    |
| GE 3500               | 97.8                        | 98.0    | 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 3000               | 98.4                        | 98.5    | 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    |
| GE 2500               | 98.8                        | 98.9    | 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      | 99.6    |
| GE 2000               | 98.8                        | 98.9    | 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      | 99.6    |
| GE 1800               | 98.8                        | 98.9    | 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      | 99.6    |
| GE 1500               | 98.8                        | 98.9    | 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      | 99.6    |
| GE 1200               | 98.8                        | 98.9    | 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      | 99.6    |
| GE 1000               | 98.9                        | 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 900                | 98.9                        | 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 800                | 99.1                        | 99.2    | 99.7    | 99.9    | 99.9    | 99.9        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 700                | 99.1                        | 99.2    | 99.7    | 99.9    | 99.9    | 99.9        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 600                | 99.1                        | 99.2    | 99.7    | 99.9    | 99.9    | 99.9        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 500                | 99.2                        | 99.4    | 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     | 100.0   |
| GE 400                | 99.2                        | 99.4    | 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     | 100.0   |
| GE 300                | 99.2                        | 99.4    | 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     | 100.0   |
| GE 200                | 99.2                        | 99.4    | 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     | 100.0   |
| GE 100                | 99.2                        | 99.4    | 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     | 100.0   |
| GE 000                | 99.2                        | 99.4    | 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     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JAN HOURS: ALL

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 72.5                        | 72.5    | 72.5    | 72.5    | 72.5    | 72.5        | 72.5    | 72.5        | 72.5        | 72.5    | 72.5      | 72.5      | 72.6      | 72.6      | 72.6      | 72.6    |
| GE 20000              | 78.2                        | 78.2    | 78.2    | 78.3    | 78.3    | 78.3        | 78.3    | 78.3        | 78.3        | 78.3    | 78.3      | 78.3      | 78.3      | 78.3      | 78.3      | 78.3    |
| GE 18000              | 78.5                        | 78.6    | 78.6    | 78.6    | 78.6    | 78.6        | 78.6    | 78.6        | 78.6        | 78.6    | 78.6      | 78.6      | 78.6      | 78.6      | 78.6      | 78.6    |
| GE 16000              | 78.6                        | 78.6    | 78.6    | 78.7    | 78.7    | 78.7        | 78.7    | 78.7        | 78.7        | 78.7    | 78.7      | 78.7      | 78.7      | 78.7      | 78.7      | 78.7    |
| GE 14000              | 79.6                        | 79.6    | 79.6    | 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 12000              | 82.0                        | 82.0    | 82.0    | 82.1    | 82.1    | 82.1        | 82.1    | 82.1        | 82.1        | 82.1    | 82.1      | 82.1      | 82.2      | 82.2      | 82.2      | 82.2    |
| GE 10000              | 85.4                        | 85.4    | 85.4    | 85.5    | 85.5    | 85.5        | 85.5    | 85.5        | 85.5        | 85.5    | 85.5      | 85.5      | 85.5      | 85.5      | 85.6      | 85.6    |
| GE 9000               | 86.4                        | 86.4    | 86.4    | 86.4    | 86.5    | 86.5        | 86.5    | 86.5        | 86.5        | 86.5    | 86.5      | 86.5      | 86.5      | 86.5      | 86.5      | 86.5    |
| GE 8000               | 87.0                        | 87.1    | 87.1    | 87.1    | 87.2    | 87.2        | 87.2    | 87.2        | 87.2        | 87.2    | 87.2      | 87.2      | 87.2      | 87.2      | 87.2      | 87.2    |
| GE 7000               | 87.9                        | 88.0    | 88.0    | 88.0    | 88.1    | 88.1        | 88.1    | 88.1        | 88.1        | 88.1    | 88.1      | 88.1      | 88.1      | 88.1      | 88.1      | 88.1    |
| GE 6000               | 90.5                        | 90.5    | 90.5    | 90.6    | 90.6    | 90.6        | 90.6    | 90.6        | 90.6        | 90.6    | 90.6      | 90.6      | 90.6      | 90.6      | 90.7      | 90.7    |
| GE 5000               | 94.4                        | 94.4    | 94.5    | 94.6    | 94.6    | 94.6        | 94.6    | 94.6        | 94.6        | 94.6    | 94.6      | 94.6      | 94.7      | 94.7      | 94.7      | 94.7    |
| GE 4500               | 95.4                        | 95.5    | 95.5    | 95.6    | 95.6    | 95.6        | 95.7    | 95.7        | 95.7        | 95.7    | 95.7      | 95.7      | 95.7      | 95.7      | 95.7      | 95.7    |
| GE 4000               | 97.6                        | 97.8    | 97.9    | 98.0    | 98.1    | 98.1        | 98.1    | 98.1        | 98.1        | 98.1    | 98.1      | 98.1      | 98.2      | 98.2      | 98.2      | 98.2    |
| GE 3500               | 98.0                        | 98.2    | 98.4    | 98.5    | 98.5    | 98.5        | 98.6    | 98.6        | 98.6        | 98.6    | 98.6      | 98.6      | 98.6      | 98.6      | 98.6      | 98.6    |
| GE 3000               | 98.4                        | 98.6    | 98.8    | 98.9    | 99.0    | 99.0        | 99.0    | 99.0        | 99.0        | 99.0    | 99.0      | 99.0      | 99.1      | 99.1      | 99.1      | 99.1    |
| GE 2500               | 98.6                        | 98.9    | 99.1    | 99.2    | 99.3    | 99.3        | 99.3    | 99.3        | 99.3        | 99.3    | 99.3      | 99.3      | 99.4      | 99.4      | 99.4      | 99.4    |
| GE 2000               | 98.6                        | 98.9    | 99.2    | 99.3    | 99.4    | 99.4        | 99.4    | 99.4        | 99.4        | 99.4    | 99.4      | 99.4      | 99.5      | 99.5      | 99.5      | 99.5    |
| GE 1800               | 98.6                        | 98.9    | 99.2    | 99.3    | 99.4    | 99.4        | 99.4    | 99.4        | 99.4        | 99.4    | 99.4      | 99.4      | 99.5      | 99.5      | 99.5      | 99.5    |
| GE 1500               | 98.7                        | 99.0    | 99.2    | 99.3    | 99.4    | 99.4        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.5      | 99.6      | 99.6    |
| GE 1200               | 98.7                        | 99.0    | 99.2    | 99.3    | 99.4    | 99.4        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.5      | 99.6      | 99.6    |
| GE 1000               | 98.7                        | 99.0    | 99.3    | 99.4    | 99.5    | 99.5        | 99.6    | 99.6        | 99.6        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 900                | 98.7                        | 99.0    | 99.3    | 99.4    | 99.5    | 99.5        | 99.6    | 99.6        | 99.6        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 800                | 98.8                        | 99.0    | 99.3    | 99.4    | 99.6    | 99.6        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.8      | 99.8    |
| GE 700                | 98.8                        | 99.0    | 99.3    | 99.4    | 99.6    | 99.6        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.8      | 99.8    |
| GE 600                | 98.8                        | 99.0    | 99.3    | 99.4    | 99.6    | 99.6        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.8      | 99.8    |
| GE 500                | 98.8                        | 99.1    | 99.4    | 99.5    | 99.7    | 99.7        | 99.7    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 400                | 98.8                        | 99.1    | 99.4    | 99.5    | 99.7    | 99.7        | 99.7    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 300                | 98.8                        | 99.1    | 99.4    | 99.5    | 99.7    | 99.7        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.9      | 99.9      | 100.0     | 100.0   |
| GE 200                | 98.8                        | 99.1    | 99.4    | 99.5    | 99.7    | 99.7        | 99.8    | 99.8        | 99.8        | 99.8    | 99.9      | 99.9      | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 100                | 98.8                        | 99.1    | 99.4    | 99.5    | 99.7    | 99.7        | 99.8    | 99.8        | 99.8        | 99.8    | 99.9      | 99.9      | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 000                | 98.8                        | 99.1    | 99.4    | 99.5    | 99.7    | 99.7        | 99.8    | 99.8        | 99.8        | 99.8    | 99.9      | 99.9      | 100.0     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: FEB HOURS: 00-02

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 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      | 77.5      | 77.6      | 77.6    |
| GE 20000              | 81.2                        | 81.2    | 81.2    | 81.2    | 81.2    | 81.2        | 81.2    | 81.2        | 81.2        | 81.2    | 81.2      | 81.2      | 81.2      | 81.2      | 81.3      | 81.3    |
| GE 18000              | 81.3                        | 81.3    | 81.3    | 81.3    | 81.3    | 81.3        | 81.3    | 81.3        | 81.3        | 81.3    | 81.3      | 81.3      | 81.3      | 81.3      | 81.4      | 81.4    |
| GE 16000              | 81.3                        | 81.3    | 81.3    | 81.3    | 81.3    | 81.3        | 81.3    | 81.3        | 81.3        | 81.3    | 81.3      | 81.3      | 81.3      | 81.3      | 81.4      | 81.4    |
| GE 14000              | 82.7                        | 82.7    | 82.7    | 82.7    | 82.7    | 82.7        | 82.7    | 82.7        | 82.7        | 82.7    | 82.7      | 82.7      | 82.7      | 82.7      | 82.8      | 82.8    |
| GE 12000              | 84.8                        | 84.8    | 84.8    | 84.8    | 84.8    | 84.8        | 84.8    | 84.8        | 84.8        | 84.8    | 84.8      | 84.8      | 84.8      | 84.8      | 84.9      | 84.9    |
| GE 10000              | 86.8                        | 86.8    | 86.8    | 86.8    | 86.8    | 86.8        | 86.8    | 86.8        | 86.8        | 86.8    | 86.8      | 86.8      | 86.8      | 86.8      | 86.9      | 86.9    |
| GE 9000               | 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      | 88.0      | 88.1      | 88.1    |
| GE 8000               | 89.5                        | 89.5    | 89.5    | 89.5    | 89.5    | 89.5        | 89.5    | 89.5        | 89.5        | 89.5    | 89.5      | 89.5      | 89.5      | 89.5      | 89.6      | 89.6    |
| GE 7000               | 90.2                        | 90.2    | 90.2    | 90.2    | 90.2    | 90.2        | 90.2    | 90.2        | 90.2        | 90.2    | 90.2      | 90.2      | 90.2      | 90.2      | 90.3      | 90.3    |
| GE 6000               | 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      | 91.4      | 91.5      | 91.5    |
| GE 5000               | 94.2                        | 94.2    | 94.2    | 94.2    | 94.2    | 94.2        | 94.2    | 94.2        | 94.2        | 94.2    | 94.2      | 94.2      | 94.2      | 94.2      | 94.3      | 94.3    |
| GE 4500               | 95.1                        | 95.1    | 95.1    | 95.1    | 95.1    | 95.1        | 95.1    | 95.1        | 95.1        | 95.1    | 95.1      | 95.1      | 95.1      | 95.1      | 95.2      | 95.2    |
| GE 4000               | 96.1                        | 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      | 96.3      | 96.3    |
| GE 3500               | 96.6                        | 96.6    | 96.7    | 96.7    | 96.7    | 96.7        | 96.7    | 96.7        | 96.7        | 96.7    | 96.7      | 96.7      | 96.7      | 96.7      | 96.8      | 96.8    |
| GE 3000               | 97.6                        | 97.6    | 98.0    | 98.0    | 98.0    | 98.0        | 98.0    | 98.0        | 98.0        | 98.0    | 98.0      | 98.0      | 98.0      | 98.0      | 98.1      | 98.1    |
| GE 2500               | 97.8                        | 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      | 98.2      | 98.2    |
| GE 2000               | 98.5                        | 98.5    | 98.8    | 98.9    | 98.9    | 98.9        | 99.1    | 99.1        | 99.1        | 99.1    | 99.1      | 99.1      | 99.1      | 99.1      | 99.2      | 99.2    |
| GE 1800               | 98.6                        | 98.6    | 98.9    | 99.1    | 99.1    | 99.1        | 99.2    | 99.2        | 99.2        | 99.2    | 99.2      | 99.2      | 99.2      | 99.2      | 99.3      | 99.3    |
| GE 1500               | 98.7                        | 98.7    | 99.3    | 99.4    | 99.4    | 99.4        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.5      | 99.6      | 99.6    |
| GE 1200               | 98.7                        | 98.7    | 99.3    | 99.4    | 99.4    | 99.4        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.5      | 99.6      | 99.6    |
| GE 1000               | 98.7                        | 98.7    | 99.3    | 99.4    | 99.4    | 99.4        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.8      | 99.9      | 99.9    |
| GE 900                | 98.7                        | 98.7    | 99.3    | 99.4    | 99.4    | 99.4        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.8      | 99.9      | 99.9    |
| GE 800                | 98.7                        | 98.7    | 99.4    | 99.5    | 99.5    | 99.5        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 100.0     | 100.0   |
| GE 700                | 98.7                        | 98.7    | 99.4    | 99.5    | 99.5    | 99.5        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 100.0     | 100.0   |
| GE 600                | 98.7                        | 98.7    | 99.4    | 99.5    | 99.5    | 99.5        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 100.0     | 100.0   |
| GE 500                | 98.7                        | 98.7    | 99.4    | 99.5    | 99.5    | 99.5        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 100.0     | 100.0   |
| GE 400                | 98.7                        | 98.7    | 99.4    | 99.5    | 99.5    | 99.5        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 100.0     | 100.0   |
| GE 300                | 98.7                        | 98.7    | 99.4    | 99.5    | 99.5    | 99.5        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 100.0     | 100.0   |
| GE 200                | 98.7                        | 98.7    | 99.4    | 99.5    | 99.5    | 99.5        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 100.0     | 100.0   |
| GE 100                | 98.7                        | 98.7    | 99.4    | 99.5    | 99.5    | 99.5        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 100.0     | 100.0   |
| GE 000                | 98.7                        | 98.7    | 99.4    | 99.5    | 99.5    | 99.5        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 849

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: FEB HOURS: 03-05

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 76.4                        | 76.4    | 76.4    | 76.4    | 76.4    | 76.4        | 76.4    | 76.4        | 76.4        | 76.4    | 76.4      | 76.4      | 76.4      | 76.4      | 76.4      | 76.4    |
| GE 20000              | 80.6                        | 80.6    | 80.6    | 80.6    | 80.6    | 80.6        | 80.6    | 80.6        | 80.6        | 80.6    | 80.6      | 80.6      | 80.6      | 80.6      | 80.6      | 80.6    |
| GE 18000              | 80.6                        | 80.6    | 80.6    | 80.6    | 80.6    | 80.6        | 80.6    | 80.6        | 80.6        | 80.6    | 80.6      | 80.6      | 80.6      | 80.6      | 80.6      | 80.6    |
| GE 16000              | 80.6                        | 80.6    | 80.6    | 80.6    | 80.6    | 80.6        | 80.6    | 80.6        | 80.6        | 80.6    | 80.6      | 80.6      | 80.6      | 80.6      | 80.6      | 80.6    |
| GE 14000              | 80.7                        | 80.7    | 80.7    | 80.7    | 80.7    | 80.7        | 80.7    | 80.7        | 80.7        | 80.7    | 80.7      | 80.7      | 80.7      | 80.7      | 80.7      | 80.7    |
| GE 12000              | 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      | 82.6      | 82.6    |
| GE 10000              | 84.2                        | 84.2    | 84.2    | 84.2    | 84.2    | 84.2        | 84.2    | 84.2        | 84.2        | 84.2    | 84.2      | 84.2      | 84.2      | 84.2      | 84.2      | 84.2    |
| GE 9000               | 85.3                        | 85.3    | 85.6    | 85.6    | 85.6    | 85.6        | 85.6    | 85.6        | 85.6        | 85.6    | 85.6      | 85.6      | 85.6      | 85.6      | 85.6      | 85.6    |
| GE 8000               | 86.3                        | 86.3    | 86.7    | 86.7    | 86.7    | 86.7        | 86.7    | 86.7        | 86.7        | 86.7    | 86.7      | 86.7      | 86.7      | 86.7      | 86.7      | 86.7    |
| GE 7000               | 87.0                        | 87.0    | 87.4    | 87.4    | 87.4    | 87.4        | 87.4    | 87.4        | 87.4        | 87.4    | 87.4      | 87.4      | 87.4      | 87.4      | 87.4      | 87.4    |
| GE 6000               | 88.7                        | 88.7    | 89.0    | 89.0    | 89.0    | 89.0        | 89.0    | 89.0        | 89.0        | 89.0    | 89.0      | 89.0      | 89.0      | 89.0      | 89.0      | 89.0    |
| GE 5000               | 92.9                        | 92.9    | 93.3    | 93.3    | 93.3    | 93.3        | 93.3    | 93.3        | 93.3        | 93.3    | 93.3      | 93.3      | 93.3      | 93.3      | 93.3      | 93.3    |
| GE 4500               | 93.9                        | 93.9    | 94.2    | 94.2    | 94.2    | 94.2        | 94.2    | 94.2        | 94.2        | 94.2    | 94.2      | 94.2      | 94.2      | 94.2      | 94.2      | 94.2    |
| GE 4000               | 95.1                        | 95.1    | 95.6    | 95.6    | 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 3500               | 96.0                        | 96.0    | 96.6    | 96.6    | 96.6    | 96.6        | 96.6    | 96.6        | 96.6        | 96.6    | 96.6      | 96.6      | 96.6      | 96.6      | 96.6      | 96.6    |
| GE 3000               | 98.0                        | 98.0    | 98.6    | 98.6    | 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 2500               | 98.1                        | 98.1    | 98.7    | 98.7    | 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               | 98.7                        | 98.7    | 99.3    | 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 1800               | 98.7                        | 98.7    | 99.3    | 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 1500               | 98.7                        | 98.7    | 99.3    | 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               | 98.7                        | 98.7    | 99.3    | 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 1000               | 98.7                        | 98.7    | 99.3    | 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 900                | 98.7                        | 98.7    | 99.3    | 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 800                | 98.7                        | 98.7    | 99.3    | 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 700                | 98.7                        | 98.7    | 99.3    | 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 600                | 98.7                        | 98.7    | 99.3    | 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 500                | 98.7                        | 98.7    | 99.3    | 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 400                | 98.7                        | 98.7    | 99.3    | 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 300                | 98.7                        | 98.7    | 99.3    | 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 200                | 98.7                        | 98.7    | 99.3    | 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 100                | 98.7                        | 98.7    | 99.3    | 99.3    | 99.6    | 99.6        | 99.6    | 99.6        | 99.6        | 99.6    | 99.6      | 99.6      | 99.6      | 99.6      | 99.8      | 99.9    |
| GE 000                | 98.7                        | 98.7    | 99.3    | 99.3    | 99.6    | 99.6        | 99.6    | 99.6        | 99.6        | 99.6    | 99.6      | 99.6      | 99.6      | 99.6      | 99.8      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 849

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: FEB HOURS: 06-08

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 75.9                        | 75.9    | 75.9    | 75.9    | 75.9    | 75.9        | 75.9    | 75.9        | 75.9        | 75.9    | 75.9      | 75.9      | 75.9      | 75.9      | 75.9      | 75.9    |
| GE 20000              | 80.8                        | 80.8    | 80.8    | 80.8    | 80.8    | 80.8        | 80.8    | 80.8        | 80.8        | 80.8    | 80.8      | 80.8      | 80.8      | 80.8      | 80.8      | 80.8    |
| GE 18000              | 81.0                        | 81.0    | 81.0    | 81.0    | 81.0    | 81.0        | 81.0    | 81.0        | 81.0        | 81.0    | 81.0      | 81.0      | 81.0      | 81.0      | 81.0      | 81.0    |
| GE 16000              | 81.0                        | 81.0    | 81.0    | 81.0    | 81.0    | 81.0        | 81.0    | 81.0        | 81.0        | 81.0    | 81.0      | 81.0      | 81.0      | 81.0      | 81.0      | 81.0    |
| GE 14000              | 82.4                        | 82.4    | 82.4    | 82.4    | 82.4    | 82.4        | 82.4    | 82.4        | 82.4        | 82.4    | 82.4      | 82.4      | 82.4      | 82.4      | 82.4      | 82.4    |
| GE 12000              | 84.8                        | 84.8    | 84.8    | 84.8    | 84.8    | 84.8        | 84.8    | 84.8        | 84.8        | 84.8    | 84.8      | 84.8      | 84.8      | 84.8      | 84.8      | 84.8    |
| GE 10000              | 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      | 87.0      | 87.0      | 87.0    |
| GE 9000               | 87.6                        | 87.6    | 87.6    | 87.6    | 87.8    | 87.8        | 87.8    | 87.8        | 87.8        | 87.8    | 87.8      | 87.8      | 87.8      | 87.8      | 87.8      | 87.8    |
| GE 8000               | 88.3                        | 88.3    | 88.3    | 88.3    | 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 7000               | 89.2                        | 89.2    | 89.2    | 89.2    | 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 6000               | 90.3                        | 90.3    | 90.3    | 90.3    | 90.5    | 90.5        | 90.5    | 90.5        | 90.5        | 90.5    | 90.5      | 90.5      | 90.5      | 90.5      | 90.5      | 90.5    |
| GE 5000               | 94.6                        | 94.6    | 94.6    | 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    |
| GE 4500               | 95.1                        | 95.1    | 95.1    | 95.2    | 95.3    | 95.3        | 95.3    | 95.3        | 95.3        | 95.3    | 95.3      | 95.3      | 95.3      | 95.3      | 95.3      | 95.3    |
| GE 4000               | 96.2                        | 96.2    | 96.3    | 96.5    | 96.6    | 96.6        | 96.6    | 96.6        | 96.6        | 96.6    | 96.6      | 96.6      | 96.6      | 96.6      | 96.6      | 96.6    |
| GE 3500               | 96.9                        | 96.9    | 97.1    | 97.2    | 97.3    | 97.3        | 97.3    | 97.3        | 97.3        | 97.3    | 97.3      | 97.3      | 97.3      | 97.3      | 97.3      | 97.3    |
| GE 3000               | 97.9                        | 97.9    | 98.0    | 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    |
| GE 2500               | 98.2                        | 98.2    | 98.4    | 98.5    | 98.8    | 98.8        | 98.8    | 98.8        | 98.8        | 98.8    | 98.8      | 98.8      | 98.8      | 98.9      | 98.9      | 98.9    |
| GE 2000               | 98.7                        | 98.7    | 98.9    | 99.2    | 99.5    | 99.5        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.6      | 99.6      | 99.6    |
| GE 1800               | 98.7                        | 98.7    | 98.9    | 99.2    | 99.5    | 99.5        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.6      | 99.6      | 99.6    |
| GE 1500               | 98.7                        | 98.7    | 98.9    | 99.2    | 99.5    | 99.5        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.6      | 99.6      | 99.6    |
| GE 1200               | 98.7                        | 98.7    | 98.9    | 99.2    | 99.5    | 99.5        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.6      | 99.6      | 99.6    |
| GE 1000               | 98.7                        | 98.7    | 98.9    | 99.2    | 99.6    | 99.6        | 99.6    | 99.6        | 99.6        | 99.6    | 99.6      | 99.6      | 99.6      | 99.8      | 99.8      | 99.8    |
| GE 900                | 98.7                        | 98.7    | 98.9    | 99.2    | 99.6    | 99.6        | 99.6    | 99.6        | 99.6        | 99.6    | 99.6      | 99.6      | 99.6      | 99.8      | 99.8      | 99.8    |
| GE 800                | 98.7                        | 98.7    | 98.9    | 99.2    | 99.6    | 99.6        | 99.6    | 99.6        | 99.6        | 99.6    | 99.6      | 99.6      | 99.6      | 99.8      | 99.8      | 99.8    |
| GE 700                | 98.7                        | 98.7    | 98.9    | 99.2    | 99.6    | 99.6        | 99.6    | 99.6        | 99.6        | 99.6    | 99.6      | 99.6      | 99.6      | 99.8      | 99.8      | 99.8    |
| GE 600                | 98.7                        | 98.7    | 98.9    | 99.2    | 99.6    | 99.6        | 99.6    | 99.6        | 99.6        | 99.6    | 99.6      | 99.6      | 99.6      | 99.8      | 99.8      | 99.8    |
| GE 500                | 98.7                        | 98.7    | 98.9    | 99.2    | 99.6    | 99.8        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.9      | 99.9      | 99.9    |
| GE 400                | 98.7                        | 98.7    | 98.9    | 99.2    | 99.6    | 99.8        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.9      | 99.9      | 99.9    |
| GE 300                | 98.7                        | 98.7    | 98.9    | 99.2    | 99.6    | 99.8        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.9      | 99.9      | 99.9    |
| GE 200                | 98.7                        | 98.7    | 98.9    | 99.2    | 99.6    | 99.8        | 99.8    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 100.0     | 100.0     | 100.0   |
| GE 100                | 98.7                        | 98.7    | 98.9    | 99.2    | 99.6    | 99.8        | 99.8    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 100.0     | 100.0     | 100.0   |
| GE 000                | 98.7                        | 98.7    | 98.9    | 99.2    | 99.6    | 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 849



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: FEB HOURS: 09-11

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 74.0                        | 74.0    | 74.0    | 74.0    | 74.0    | 74.0        | 74.0    | 74.0        | 74.0        | 74.0    | 74.0      | 74.0      | 74.0      | 74.0      | 74.0      | 74.0    |
| GE 20000              | 80.6                        | 80.6    | 80.6    | 80.6    | 80.6    | 80.6        | 80.6    | 80.6        | 80.6        | 80.6    | 80.6      | 80.6      | 80.6      | 80.6      | 80.6      | 80.6    |
| GE 18000              | 80.7                        | 80.7    | 80.7    | 80.7    | 80.7    | 80.7        | 80.7    | 80.7        | 80.7        | 80.7    | 80.7      | 80.7      | 80.7      | 80.7      | 80.7      | 80.7    |
| GE 16000              | 80.9                        | 80.9    | 80.9    | 80.9    | 80.9    | 80.9        | 80.9    | 80.9        | 80.9        | 80.9    | 80.9      | 80.9      | 80.9      | 80.9      | 80.9      | 80.9    |
| GE 14000              | 82.2                        | 82.2    | 82.2    | 82.2    | 82.2    | 82.2        | 82.2    | 82.2        | 82.2        | 82.2    | 82.2      | 82.2      | 82.2      | 82.2      | 82.2      | 82.2    |
| GE 12000              | 84.5                        | 84.5    | 84.5    | 84.5    | 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 10000              | 86.2                        | 86.2    | 86.2    | 86.2    | 86.2    | 86.2        | 86.2    | 86.2        | 86.2        | 86.2    | 86.2      | 86.2      | 86.2      | 86.2      | 86.2      | 86.2    |
| GE 9000               | 86.5                        | 86.5    | 86.5    | 86.5    | 86.5    | 86.5        | 86.5    | 86.5        | 86.5        | 86.5    | 86.5      | 86.5      | 86.5      | 86.5      | 86.5      | 86.5    |
| GE 8000               | 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      | 88.0      | 88.0      | 88.0    |
| GE 7000               | 89.0                        | 89.0    | 89.0    | 89.0    | 89.0    | 89.0        | 89.0    | 89.0        | 89.0        | 89.0    | 89.0      | 89.0      | 89.0      | 89.0      | 89.0      | 89.0    |
| GE 6000               | 92.0                        | 92.0    | 92.0    | 92.0    | 92.0    | 92.0        | 92.0    | 92.0        | 92.0        | 92.0    | 92.0      | 92.0      | 92.0      | 92.0      | 92.0      | 92.0    |
| GE 5000               | 95.4                        | 95.5    | 95.5    | 95.6    | 95.6    | 95.8        | 95.8    | 95.8        | 95.8        | 95.8    | 95.8      | 95.8      | 95.8      | 95.8      | 95.8      | 95.8    |
| GE 4500               | 96.2                        | 96.3    | 96.3    | 96.5    | 96.5    | 96.6        | 96.6    | 96.6        | 96.6        | 96.6    | 96.6      | 96.6      | 96.6      | 96.6      | 96.6      | 96.6    |
| GE 4000               | 97.4                        | 97.5    | 97.5    | 97.8    | 97.8    | 97.9        | 97.9    | 97.9        | 97.9        | 97.9    | 97.9      | 97.9      | 97.9      | 97.9      | 97.9      | 97.9    |
| GE 3500               | 97.8                        | 97.9    | 97.9    | 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 3000               | 98.5                        | 98.6    | 98.8    | 99.1    | 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 2500               | 98.7                        | 98.8    | 99.1    | 99.3    | 99.3    | 99.4        | 99.4    | 99.4        | 99.4        | 99.4    | 99.4      | 99.4      | 99.4      | 99.4      | 99.4      | 99.4    |
| GE 2000               | 99.1                        | 99.2    | 99.4    | 99.6    | 99.6    | 99.8        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.8      | 99.8      | 99.8    |
| GE 1800               | 99.1                        | 99.2    | 99.4    | 99.6    | 99.6    | 99.8        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.8      | 99.8      | 99.8    |
| GE 1500               | 99.2                        | 99.3    | 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      | 99.9    |
| GE 1200               | 99.2                        | 99.3    | 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      | 99.9    |
| GE 1000               | 99.2                        | 99.3    | 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                | 99.2                        | 99.3    | 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                | 99.2                        | 99.3    | 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                | 99.2                        | 99.3    | 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                | 99.2                        | 99.3    | 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                | 99.2                        | 99.3    | 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                | 99.2                        | 99.3    | 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                | 99.2                        | 99.3    | 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                | 99.2                        | 99.3    | 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                | 99.2                        | 99.3    | 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 000                | 99.2                        | 99.3    | 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 849

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: FEB HOURS: 12-14

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 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      | 72.3      | 72.3    |
| GE 20000              | 81.7                        | 81.7    | 81.7    | 81.7    | 81.7    | 81.7        | 81.7    | 81.7        | 81.7        | 81.7    | 81.7      | 81.7      | 81.7      | 81.7      | 81.7      | 81.7    |
| GE 18000              | 82.2                        | 82.2    | 82.2    | 82.2    | 82.2    | 82.2        | 82.2    | 82.2        | 82.2        | 82.2    | 82.2      | 82.2      | 82.2      | 82.2      | 82.2      | 82.2    |
| GE 16000              | 82.4                        | 82.4    | 82.4    | 82.4    | 82.4    | 82.4        | 82.4    | 82.4        | 82.4        | 82.4    | 82.4      | 82.4      | 82.4      | 82.4      | 82.4      | 82.4    |
| GE 14000              | 83.5                        | 83.5    | 83.5    | 83.5    | 83.5    | 83.5        | 83.5    | 83.5        | 83.5        | 83.5    | 83.5      | 83.5      | 83.5      | 83.5      | 83.5      | 83.5    |
| GE 12000              | 84.8                        | 84.8    | 84.8    | 84.8    | 84.8    | 84.8        | 84.8    | 84.8        | 84.8        | 84.8    | 84.8      | 84.8      | 84.8      | 84.8      | 84.8      | 84.8    |
| GE 10000              | 86.8                        | 86.8    | 86.8    | 86.6    | 86.8    | 86.8        | 86.8    | 86.8        | 86.8        | 86.8    | 86.8      | 86.8      | 86.8      | 86.8      | 86.8      | 86.8    |
| GE 9000               | 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      | 87.8      | 87.8      | 87.8    |
| GE 8000               | 88.0                        | 88.1    | 88.1    | 88.1    | 88.1    | 88.1        | 88.1    | 88.1        | 88.1        | 88.1    | 88.1      | 88.1      | 88.1      | 88.1      | 88.1      | 88.1    |
| GE 7000               | 89.4                        | 89.5    | 89.5    | 89.5    | 89.5    | 89.5        | 89.5    | 89.5        | 89.5        | 89.5    | 89.5      | 89.5      | 89.5      | 89.5      | 89.5      | 89.5    |
| GE 6000               | 91.8                        | 91.9    | 91.9    | 91.9    | 91.9    | 91.9        | 91.9    | 91.9        | 91.9        | 91.9    | 91.9      | 91.9      | 91.9      | 91.9      | 91.9      | 91.9    |
| GE 5000               | 95.5                        | 95.6    | 95.6    | 95.6    | 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 4500               | 96.2                        | 96.3    | 96.3    | 96.3    | 96.3    | 96.3        | 96.3    | 96.3        | 96.3        | 96.3    | 96.3      | 96.3      | 96.3      | 96.3      | 96.3      | 96.3    |
| GE 4000               | 97.4                        | 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      | 97.5    |
| GE 3500               | 97.8                        | 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      | 97.9      | 97.9    |
| GE 3000               | 98.8                        | 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    |
| GE 2500               | 98.8                        | 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    |
| GE 2000               | 99.3                        | 99.4    | 99.6    | 99.6    | 99.6    | 99.8        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 1800               | 99.3                        | 99.4    | 99.6    | 99.6    | 99.6    | 99.8        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 1500               | 99.3                        | 99.4    | 99.6    | 99.6    | 99.6    | 99.8        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 1200               | 99.3                        | 99.4    | 99.6    | 99.6    | 99.6    | 99.8        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 1000               | 99.3                        | 99.4    | 99.6    | 99.6    | 99.6    | 99.8        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 900                | 99.3                        | 99.4    | 99.6    | 99.6    | 99.6    | 99.8        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 800                | 99.3                        | 99.4    | 99.6    | 99.6    | 99.6    | 99.8        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 700                | 99.3                        | 99.4    | 99.6    | 99.6    | 99.6    | 99.8        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 600                | 99.3                        | 99.4    | 99.6    | 99.6    | 99.6    | 99.8        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 500                | 99.3                        | 99.4    | 99.6    | 99.6    | 99.6    | 99.8        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 400                | 99.3                        | 99.4    | 99.6    | 99.6    | 99.6    | 99.8        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 300                | 99.3                        | 99.4    | 99.6    | 99.6    | 99.6    | 99.8        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 200                | 99.3                        | 99.4    | 99.6    | 99.6    | 99.6    | 99.8        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 100                | 99.3                        | 99.4    | 99.6    | 99.6    | 99.6    | 99.8        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 000                | 99.3                        | 99.4    | 99.6    | 99.6    | 99.6    | 99.8        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |

TOTAL NUMBER OF OBSERVATIONS 849

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: FEB HOURS: 15-17

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 69.3                        | 69.3    | 69.3    | 69.3    | 69.4    | 69.4        | 69.4    | 69.4        | 69.4        | 69.4    | 69.4      | 69.4      | 69.4      | 69.4      | 69.4      | 69.4    |
| GE 20000              | 80.3                        | 80.3    | 80.3    | 80.3    | 80.4    | 80.4        | 80.4    | 80.4        | 80.4        | 80.4    | 80.4      | 80.4      | 80.4      | 80.4      | 80.4      | 80.4    |
| GE 18000              | 80.3                        | 80.3    | 80.3    | 80.3    | 80.4    | 80.4        | 80.4    | 80.4        | 80.4        | 80.4    | 80.4      | 80.4      | 80.4      | 80.4      | 80.4      | 80.4    |
| GE 16000              | 80.4                        | 80.4    | 80.4    | 80.4    | 80.6    | 80.6        | 80.6    | 80.6        | 80.6        | 80.6    | 80.6      | 80.6      | 80.6      | 80.6      | 80.6      | 80.6    |
| GE 14000              | 82.1                        | 82.1    | 82.1    | 82.1    | 82.2    | 82.2        | 82.2    | 82.2        | 82.2        | 82.2    | 82.2      | 82.2      | 82.2      | 82.2      | 82.2      | 32.2    |
| GE 12000              | 83.7                        | 83.7    | 83.7    | 83.7    | 83.9    | 83.9        | 83.9    | 83.9        | 83.9        | 83.9    | 83.9      | 83.9      | 83.9      | 83.9      | 83.9      | 83.9    |
| GE 10000              | 86.9                        | 86.9    | 86.9    | 86.9    | 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 9000               | 87.6                        | 87.6    | 87.6    | 87.6    | 87.8    | 87.8        | 87.8    | 87.8        | 87.8        | 87.8    | 87.8      | 87.8      | 87.8      | 87.8      | 87.8      | 87.8    |
| GE 8000               | 88.5                        | 88.5    | 88.5    | 88.5    | 88.6    | 88.6        | 88.6    | 88.6        | 88.6        | 88.6    | 88.6      | 88.6      | 88.6      | 88.6      | 88.6      | 88.6    |
| GE 7000               | 89.8                        | 89.8    | 89.8    | 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 6000               | 92.2                        | 92.2    | 92.2    | 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    |
| GE 5000               | 95.2                        | 95.2    | 95.2    | 95.2    | 95.4    | 95.4        | 95.4    | 95.4        | 95.4        | 95.4    | 95.4      | 95.4      | 95.4      | 95.4      | 95.4      | 95.4    |
| GE 4500               | 95.5                        | 95.5    | 95.5    | 95.5    | 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 4000               | 96.8                        | 96.8    | 96.8    | 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    |
| GE 3500               | 97.5                        | 97.5    | 97.5    | 97.6    | 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 3000               | 98.4                        | 98.4    | 98.4    | 98.5    | 98.9    | 98.9        | 99.3    | 99.3        | 99.3        | 99.3    | 99.3      | 99.3      | 99.3      | 99.3      | 99.3      | 99.3    |
| GE 2500               | 98.4                        | 98.4    | 98.4    | 98.5    | 98.9    | 98.9        | 99.3    | 99.3        | 99.3        | 99.3    | 99.3      | 99.3      | 99.3      | 99.3      | 99.3      | 99.3    |
| GE 2000               | 98.8                        | 98.8    | 98.8    | 99.1    | 99.5    | 99.5        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 1800               | 98.8                        | 98.8    | 98.8    | 99.1    | 99.5    | 99.5        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 1500               | 98.9                        | 98.9    | 98.9    | 99.2    | 99.6    | 99.6        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 1200               | 98.9                        | 98.9    | 98.9    | 99.2    | 99.6    | 99.6        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 1000               | 98.9                        | 98.9    | 98.9    | 99.2    | 99.6    | 99.6        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 900                | 98.9                        | 98.9    | 98.9    | 99.2    | 99.6    | 99.6        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 800                | 98.9                        | 98.9    | 98.9    | 99.2    | 99.6    | 99.6        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 700                | 98.9                        | 98.9    | 98.9    | 99.2    | 99.6    | 99.6        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 600                | 98.9                        | 98.9    | 98.9    | 99.2    | 99.6    | 99.6        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 500                | 98.9                        | 98.9    | 98.9    | 99.2    | 99.6    | 99.6        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 400                | 98.9                        | 98.9    | 98.9    | 99.2    | 99.6    | 99.6        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 300                | 98.9                        | 98.9    | 98.9    | 99.2    | 99.6    | 99.6        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 200                | 98.9                        | 98.9    | 98.9    | 99.2    | 99.6    | 99.6        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 100                | 98.9                        | 98.9    | 98.9    | 99.2    | 99.6    | 99.6        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 000                | 98.9                        | 98.9    | 98.9    | 99.2    | 99.6    | 99.6        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 849

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: FEB HOURS: 18-20

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 74.1                        | 74.1    | 74.1    | 74.1    | 74.1    | 74.1        | 74.1    | 74.1        | 74.1        | 74.1    | 74.1      | 74.1      | 74.1      | 74.1      | 74.1      | 74.1    |
| GE 20000              | 81.4                        | 81.4    | 81.4    | 81.4    | 81.4    | 81.4        | 81.4    | 81.4        | 81.4        | 81.4    | 81.4      | 81.4      | 81.4      | 81.4      | 81.4      | 81.4    |
| GE 18000              | 81.7                        | 81.7    | 81.7    | 81.7    | 81.7    | 81.7        | 81.7    | 81.7        | 81.7        | 81.7    | 81.7      | 81.7      | 81.7      | 81.7      | 81.7      | 81.7    |
| GE 16000              | 81.7                        | 81.7    | 81.7    | 81.7    | 81.7    | 81.7        | 81.7    | 81.7        | 81.7        | 81.7    | 81.7      | 81.7      | 81.7      | 81.7      | 81.7      | 81.7    |
| GE 14000              | 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      | 83.0    |
| GE 12000              | 85.9                        | 85.9    | 85.9    | 85.9    | 85.9    | 85.9        | 85.9    | 85.9        | 85.9        | 85.9    | 85.9      | 85.9      | 85.9      | 85.9      | 85.9      | 85.9    |
| GE 10000              | 88.3                        | 88.3    | 88.3    | 88.3    | 88.3    | 88.3        | 88.3    | 88.3        | 88.3        | 88.3    | 88.3      | 88.3      | 88.3      | 88.3      | 88.3      | 88.3    |
| GE 9000               | 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      | 89.8      | 89.8      | 89.8    |
| GE 8000               | 91.0                        | 91.0    | 91.0    | 91.0    | 91.0    | 91.0        | 91.0    | 91.0        | 91.0        | 91.0    | 91.0      | 91.0      | 91.0      | 91.0      | 91.0      | 91.0    |
| GE 7000               | 92.0                        | 92.0    | 92.0    | 92.0    | 92.0    | 92.0        | 92.0    | 92.0        | 92.0        | 92.0    | 92.0      | 92.0      | 92.0      | 92.0      | 92.0      | 92.0    |
| GE 6000               | 92.9                        | 92.9    | 92.9    | 92.9    | 92.9    | 92.9        | 92.9    | 92.9        | 92.9        | 92.9    | 92.9      | 92.9      | 92.9      | 92.9      | 92.9      | 92.9    |
| GE 5000               | 95.1                        | 95.1    | 95.1    | 95.1    | 95.1    | 95.1        | 95.1    | 95.1        | 95.1        | 95.1    | 95.1      | 95.1      | 95.1      | 95.1      | 95.1      | 95.1    |
| GE 4500               | 95.6                        | 95.6    | 95.6    | 95.6    | 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 4000               | 96.6                        | 96.6    | 96.6    | 96.6    | 96.6    | 96.6        | 96.6    | 96.6        | 96.6        | 96.6    | 96.6      | 96.6      | 96.6      | 96.6      | 96.6      | 96.6    |
| GE 3500               | 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      | 97.1      | 97.1    |
| GE 3000               | 98.0                        | 98.0    | 98.2    | 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 2500               | 98.0                        | 98.0    | 98.2    | 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 2000               | 98.4                        | 98.4    | 98.7    | 99.1    | 99.1    | 99.1        | 99.3    | 99.3        | 99.3        | 99.3    | 99.3      | 99.3      | 99.3      | 99.3      | 99.3      | 99.3    |
| GE 1800               | 98.4                        | 98.4    | 98.7    | 99.1    | 99.1    | 99.1        | 99.4    | 99.4        | 99.4        | 99.4    | 99.4      | 99.4      | 99.4      | 99.4      | 99.4      | 99.4    |
| GE 1500               | 98.5                        | 98.5    | 98.8    | 99.2    | 99.2    | 99.2        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.5      | 99.5      | 99.5    |
| GE 1200               | 98.5                        | 98.5    | 98.8    | 99.2    | 99.2    | 99.2        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.5      | 99.5      | 99.5    |
| GE 1000               | 98.6                        | 98.6    | 98.9    | 99.3    | 99.3    | 99.3        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.8      | 99.8      | 99.8    |
| GE 900                | 98.6                        | 98.6    | 98.9    | 99.3    | 99.3    | 99.3        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.8      | 99.8      | 99.8    |
| GE 800                | 98.6                        | 98.6    | 98.9    | 99.3    | 99.3    | 99.3        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.8      | 99.8      | 99.8    |
| GE 700                | 98.6                        | 98.6    | 98.9    | 99.3    | 99.3    | 99.3        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.8      | 99.8      | 99.8    |
| GE 600                | 98.6                        | 98.6    | 98.9    | 99.3    | 99.3    | 99.3        | 99.8    | 99.8        | 99.8        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 500                | 98.6                        | 98.6    | 98.9    | 99.3    | 99.3    | 99.3        | 99.8    | 99.8        | 99.8        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 400                | 98.7                        | 98.7    | 99.1    | 99.4    | 99.4    | 99.4        | 99.9    | 99.9        | 99.9        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 300                | 98.7                        | 98.7    | 99.1    | 99.4    | 99.4    | 99.4        | 99.9    | 99.9        | 99.9        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 200                | 98.7                        | 98.7    | 99.1    | 99.4    | 99.4    | 99.4        | 99.9    | 99.9        | 99.9        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 100                | 98.7                        | 98.7    | 99.1    | 99.4    | 99.4    | 99.4        | 99.9    | 99.9        | 99.9        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 000                | 98.7                        | 98.7    | 99.1    | 99.4    | 99.4    | 99.4        | 99.9    | 99.9        | 99.9        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 849

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: FEB HOURS: 21-23

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 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      | 77.5      | 77.5      | 77.5    |
| GE 20000              | 81.3                        | 81.3    | 81.3    | 81.3    | 81.3    | 81.3        | 81.3    | 81.3        | 81.3        | 81.3    | 81.3      | 81.3      | 81.3      | 81.3      | 81.3      | 81.3    |
| GE 18000              | 81.6                        | 81.6    | 81.6    | 81.6    | 81.6    | 81.6        | 81.6    | 81.6        | 81.6        | 81.6    | 81.6      | 81.6      | 81.6      | 81.6      | 81.6      | 81.6    |
| GE 16000              | 81.7                        | 81.7    | 81.7    | 81.7    | 81.7    | 81.7        | 81.7    | 81.7        | 81.7        | 81.7    | 81.7      | 81.7      | 81.7      | 81.7      | 81.7      | 81.7    |
| GE 14000              | 82.4                        | 82.4    | 82.4    | 82.4    | 82.4    | 82.4        | 82.4    | 82.4        | 82.4        | 82.4    | 82.4      | 82.4      | 82.4      | 82.4      | 82.4      | 82.4    |
| GE 12000              | 85.3                        | 85.3    | 85.3    | 85.3    | 85.3    | 85.3        | 85.3    | 85.3        | 85.3        | 85.3    | 85.3      | 85.3      | 85.3      | 85.3      | 85.3      | 85.3    |
| GE 10000              | 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      | 87.9      | 87.9      | 87.9    |
| GE 9000               | 88.6                        | 88.6    | 88.6    | 88.6    | 88.6    | 88.6        | 88.6    | 88.6        | 88.6        | 88.6    | 88.6      | 88.6      | 88.6      | 88.6      | 88.6      | 88.6    |
| GE 8000               | 89.4                        | 89.4    | 89.4    | 89.4    | 89.4    | 89.4        | 89.4    | 89.4        | 89.4        | 89.4    | 89.4      | 89.4      | 89.4      | 89.4      | 89.4      | 89.4    |
| GE 7000               | 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      | 90.8      | 90.8      | 90.8    |
| GE 6000               | 92.9                        | 92.9    | 92.9    | 92.9    | 92.9    | 92.9        | 92.9    | 92.9        | 92.9        | 92.9    | 92.9      | 92.9      | 92.9      | 92.9      | 92.9      | 92.9    |
| GE 5000               | 95.2                        | 95.2    | 95.2    | 95.2    | 95.2    | 95.2        | 95.2    | 95.2        | 95.2        | 95.2    | 95.2      | 95.2      | 95.2      | 95.2      | 95.2      | 95.2    |
| GE 4500               | 96.0                        | 96.0    | 96.1    | 96.1    | 96.1    | 96.1        | 96.1    | 96.1        | 96.1        | 96.1    | 96.1      | 96.1      | 96.1      | 96.1      | 96.1      | 96.1    |
| GE 4000               | 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      | 97.1      | 97.1      | 97.1    |
| GE 3500               | 97.1                        | 97.1    | 97.2    | 97.2    | 97.2    | 97.2        | 97.2    | 97.2        | 97.2        | 97.2    | 97.2      | 97.2      | 97.2      | 97.2      | 97.2      | 97.2    |
| GE 3000               | 97.6                        | 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      | 97.9      | 97.9    |
| GE 2500               | 97.9                        | 97.9    | 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 2000               | 98.4                        | 98.4    | 98.6    | 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 1800               | 98.4                        | 98.4    | 98.6    | 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 1500               | 98.5                        | 98.6    | 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 1200               | 98.5                        | 98.6    | 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 1000               | 98.5                        | 98.6    | 98.9    | 99.2    | 99.2    | 99.2        | 99.6    | 99.6        | 99.6        | 99.8    | 99.8      | 99.8      | 99.8      | 99.8      | 99.8      | 99.8    |
| GE 900                | 98.5                        | 98.7    | 99.1    | 99.3    | 99.3    | 99.3        | 99.8    | 99.8        | 99.8        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 800                | 98.5                        | 98.7    | 99.1    | 99.3    | 99.3    | 99.3        | 99.8    | 99.8        | 99.8        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 700                | 98.5                        | 98.7    | 99.1    | 99.3    | 99.3    | 99.3        | 99.8    | 99.8        | 99.8        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 600                | 98.5                        | 98.7    | 99.1    | 99.3    | 99.3    | 99.3        | 99.8    | 99.8        | 99.8        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 500                | 98.6                        | 98.8    | 99.2    | 99.4    | 99.4    | 99.4        | 99.9    | 99.9        | 99.9        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 400                | 98.6                        | 98.8    | 99.2    | 99.4    | 99.4    | 99.4        | 99.9    | 99.9        | 99.9        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 300                | 98.6                        | 98.8    | 99.2    | 99.4    | 99.4    | 99.4        | 99.9    | 99.9        | 99.9        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 200                | 98.6                        | 98.8    | 99.2    | 99.4    | 99.4    | 99.4        | 99.9    | 99.9        | 99.9        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 100                | 98.6                        | 98.8    | 99.2    | 99.4    | 99.4    | 99.4        | 99.9    | 99.9        | 99.9        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 000                | 98.6                        | 98.8    | 99.2    | 99.4    | 99.4    | 99.4        | 99.9    | 99.9        | 99.9        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 849

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: FEB HOURS: ALL

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 74.6                        | 74.6    | 74.6    | 74.6    | 74.6    | 74.6        | 74.6    | 74.6        | 74.6        | 74.6    | 74.6      | 74.6      | 74.6      | 74.6      | 74.6      | 74.6    |
| GE 20000              | 81.0                        | 81.0    | 81.0    | 81.0    | 81.0    | 81.0        | 81.0    | 81.0        | 81.0        | 81.0    | 81.0      | 81.0      | 81.0      | 81.0      | 81.0      | 81.0    |
| GE 18000              | 81.2                        | 81.2    | 81.2    | 81.2    | 81.2    | 81.2        | 81.2    | 81.2        | 81.2        | 81.2    | 81.2      | 81.2      | 81.2      | 81.2      | 81.2      | 81.2    |
| GE 16000              | 81.3                        | 81.3    | 81.3    | 81.3    | 81.3    | 81.3        | 81.3    | 81.3        | 81.3        | 81.3    | 81.3      | 81.3      | 81.3      | 81.3      | 81.3      | 81.3    |
| GE 14000              | 82.4                        | 82.4    | 82.4    | 82.4    | 82.4    | 82.4        | 82.4    | 82.4        | 82.4        | 82.4    | 82.4      | 82.4      | 82.4      | 82.4      | 82.4      | 82.4    |
| GE 12000              | 84.5                        | 84.5    | 84.5    | 84.5    | 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 10000              | 86.8                        | 86.8    | 86.8    | 86.8    | 86.8    | 86.8        | 86.8    | 86.8        | 86.8        | 86.8    | 86.8      | 86.8      | 86.8      | 86.8      | 86.8      | 86.8    |
| GE 9000               | 87.6                        | 87.6    | 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 8000               | 88.6                        | 88.6    | 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 7000               | 89.7                        | 89.7    | 89.7    | 89.7    | 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 6000               | 91.5                        | 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      | 91.6      | 91.6    |
| GE 5000               | 94.8                        | 94.8    | 94.8    | 94.9    | 94.9    | 94.9        | 94.9    | 94.9        | 94.9        | 94.9    | 94.9      | 94.9      | 94.9      | 94.9      | 94.9      | 94.9    |
| GE 4500               | 95.5                        | 95.5    | 95.5    | 95.6    | 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 4000               | 96.6                        | 96.6    | 96.7    | 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 3500               | 97.1                        | 97.1    | 97.2    | 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 3000               | 98.1                        | 98.1    | 98.4    | 98.5    | 98.6    | 98.6        | 98.7    | 98.7        | 98.7        | 98.7    | 98.7      | 98.7      | 98.7      | 98.7      | 98.7      | 98.7    |
| GE 2500               | 98.2                        | 98.3    | 98.5    | 98.6    | 98.7    | 98.7        | 98.8    | 98.8        | 98.8        | 98.8    | 98.8      | 98.8      | 98.8      | 98.8      | 98.8      | 98.8    |
| GE 2000               | 98.7                        | 98.7    | 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      | 99.5    |
| GE 1800               | 98.7                        | 98.8    | 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      | 99.5    |
| GE 1500               | 98.8                        | 98.9    | 99.2    | 99.3    | 99.5    | 99.5        | 99.6    | 99.6        | 99.6        | 99.6    | 99.6      | 99.6      | 99.6      | 99.6      | 99.7      | 99.7    |
| GE 1200               | 98.8                        | 98.9    | 99.2    | 99.3    | 99.5    | 99.5        | 99.6    | 99.6        | 99.6        | 99.6    | 99.6      | 99.6      | 99.6      | 99.6      | 99.7      | 99.7    |
| GE 1000               | 98.8                        | 98.9    | 99.2    | 99.4    | 99.5    | 99.6        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.8      | 99.8      | 99.8    |
| GE 900                | 98.8                        | 98.9    | 99.2    | 99.4    | 99.6    | 99.6        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.8      | 99.9      | 99.9    |
| GE 800                | 98.8                        | 98.9    | 99.2    | 99.4    | 99.6    | 99.6        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 700                | 98.8                        | 98.9    | 99.2    | 99.4    | 99.6    | 99.6        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 600                | 98.8                        | 98.9    | 99.2    | 99.4    | 99.6    | 99.6        | 99.8    | 99.8        | 99.8        | 99.8    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 500                | 98.8                        | 98.9    | 99.2    | 99.4    | 99.6    | 99.6        | 99.8    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 400                | 98.9                        | 98.9    | 99.2    | 99.4    | 99.6    | 99.6        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 300                | 98.9                        | 98.9    | 99.2    | 99.4    | 99.6    | 99.6        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 200                | 98.9                        | 98.9    | 99.2    | 99.4    | 99.6    | 99.6        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 100.0     | 100.0   |
| GE 100                | 98.9                        | 98.9    | 99.2    | 99.4    | 99.6    | 99.6        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 100.0     | 100.0   |
| GE 000                | 98.9                        | 98.9    | 99.2    | 99.4    | 99.6    | 99.6        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 6792

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAR HOURS: 00-02

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 79.8                        | 79.8    | 79.8    | 79.8    | 79.8    | 79.8        | 79.8    | 79.8        | 79.8        | 79.8    | 79.8      | 79.8      | 79.8      | 79.8      | 79.8      | 79.8    |
| GE 20000              | 84.0                        | 84.0    | 84.0    | 84.0    | 84.0    | 84.0        | 84.0    | 84.0        | 84.0        | 84.0    | 84.0      | 84.0      | 84.0      | 84.0      | 84.0      | 84.0    |
| GE 18000              | 84.0                        | 84.0    | 84.0    | 84.0    | 84.0    | 84.0        | 84.0    | 84.0        | 84.0        | 84.0    | 84.0      | 84.0      | 84.0      | 84.0      | 84.0      | 84.0    |
| GE 16000              | 84.0                        | 84.0    | 84.0    | 84.0    | 84.0    | 84.0        | 84.0    | 84.0        | 84.0        | 84.0    | 84.0      | 84.0      | 84.0      | 84.0      | 84.0      | 84.0    |
| GE 14000              | 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      | 84.9      | 84.9      | 84.9    |
| GE 12000              | 86.8                        | 86.8    | 86.8    | 86.8    | 86.8    | 86.8        | 86.8    | 86.8        | 86.8        | 86.8    | 86.8      | 86.8      | 86.8      | 86.8      | 86.8      | 86.8    |
| GE 10000              | 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      | 88.7      | 88.7    |
| GE 9000               | 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      | 89.2      | 89.2    |
| GE 8000               | 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      | 89.8      | 89.8      | 89.8    |
| GE 7000               | 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      | 90.8      | 90.8      | 90.8    |
| GE 6000               | 93.2                        | 93.2    | 93.2    | 93.2    | 93.2    | 93.2        | 93.2    | 93.2        | 93.2        | 93.2    | 93.2      | 93.2      | 93.2      | 93.2      | 93.2      | 93.2    |
| GE 5000               | 96.6                        | 96.6    | 96.6    | 96.6    | 96.6    | 96.6        | 96.6    | 96.6        | 96.6        | 96.6    | 96.6      | 96.6      | 96.6      | 96.6      | 96.6      | 96.6    |
| GE 4500               | 97.0                        | 97.0    | 97.0    | 97.0    | 97.0    | 97.0        | 97.0    | 97.0        | 97.0        | 97.0    | 97.0      | 97.0      | 97.0      | 97.0      | 97.0      | 97.0    |
| GE 4000               | 97.8                        | 97.8    | 97.8    | 97.8    | 97.8    | 97.8        | 97.8    | 97.8        | 97.8        | 97.8    | 97.8      | 97.8      | 97.8      | 97.8      | 97.8      | 97.8    |
| GE 3500               | 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      | 99.1    |
| GE 3000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 2500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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 000                | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAR HOURS: 03-05

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 79.5                        | 79.5    | 79.5    | 79.5    | 79.5    | 79.5        | 79.5    | 79.5        | 79.5        | 79.5    | 79.5      | 79.5      | 79.5      | 79.5      | 79.5      | 79.5    |
| GE 20000              | 82.7                        | 82.7    | 82.7    | 82.7    | 82.7    | 82.7        | 82.7    | 82.7        | 82.7        | 82.7    | 82.7      | 82.7      | 82.7      | 82.7      | 82.7      | 82.7    |
| GE 18000              | 82.7                        | 82.7    | 82.7    | 82.7    | 82.7    | 82.7        | 82.7    | 82.7        | 82.7        | 82.7    | 82.7      | 82.7      | 82.7      | 82.7      | 82.7      | 82.7    |
| GE 16000              | 82.7                        | 82.7    | 82.7    | 82.7    | 82.7    | 82.7        | 82.7    | 82.7        | 82.7        | 82.7    | 82.7      | 82.7      | 82.7      | 82.7      | 82.7      | 82.7    |
| GE 14000              | 83.2                        | 83.2    | 83.2    | 83.2    | 83.2    | 83.2        | 83.2    | 83.2        | 83.2        | 83.2    | 83.2      | 83.2      | 83.2      | 83.2      | 83.2      | 83.2    |
| GE 12000              | 86.5                        | 86.5    | 86.5    | 86.5    | 86.5    | 86.5        | 86.5    | 86.5        | 86.5        | 86.5    | 86.5      | 86.5      | 86.5      | 86.5      | 86.5      | 86.5    |
| GE 10000              | 88.6                        | 88.6    | 88.6    | 88.6    | 88.6    | 88.6        | 88.6    | 88.6        | 88.6        | 88.6    | 88.6      | 88.6      | 88.6      | 88.6      | 88.6      | 88.6    |
| GE 9000               | 89.8                        | 89.8    | 89.8    | 89.8    | 89.8    | 89.8        | 89.8    | 89.8        | 8.8         | 89.8    | 89.8      | 89.8      | 89.8      | 89.8      | 89.8      | 89.8    |
| GE 8000               | 90.2                        | 90.2    | 90.2    | 90.2    | 90.2    | 90.2        | 90.2    | 90.2        | 90.2        | 90.2    | 90.2      | 90.2      | 90.2      | 90.2      | 90.2      | 90.2    |
| GE 7000               | 91.0                        | 91.0    | 91.0    | 91.0    | 91.0    | 91.0        | 91.0    | 91.0        | 91.0        | 91.0    | 91.0      | 91.0      | 91.0      | 91.0      | 91.0      | 91.0    |
| GE 6000               | 92.6                        | 92.6    | 92.6    | 92.6    | 92.6    | 92.6        | 92.6    | 92.6        | 92.6        | 92.6    | 92.6      | 92.6      | 92.6      | 92.6      | 92.6      | 92.6    |
| GE 5000               | 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      | 95.8      | 95.8    |
| GE 4500               | 96.5                        | 96.5    | 96.5    | 96.5    | 96.5    | 96.5        | 96.5    | 96.5        | 96.5        | 96.5    | 96.5      | 96.5      | 96.5      | 96.5      | 96.5      | 96.5    |
| GE 4000               | 97.8                        | 97.8    | 97.8    | 97.8    | 97.8    | 97.8        | 97.8    | 97.8        | 97.8        | 97.8    | 97.8      | 97.8      | 97.8      | 97.8      | 97.8      | 97.8    |
| GE 3500               | 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      | 98.3    |
| GE 3000               | 99.8                        | 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      | 99.9    |
| GE 2500               | 99.8                        | 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      | 99.9    |
| GE 2000               | 99.8                        | 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      | 99.9    |
| GE 1800               | 99.8                        | 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      | 99.9    |
| GE 1500               | 99.9                        | 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     | 100.0   |
| GE 1200               | 99.9                        | 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     | 100.0   |
| GE 1000               | 99.9                        | 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     | 100.0   |
| GE 900                | 99.9                        | 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     | 100.0   |
| GE 800                | 99.9                        | 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     | 100.0   |
| GE 700                | 99.9                        | 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     | 100.0   |
| GE 600                | 99.9                        | 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     | 100.0   |
| GE 500                | 99.9                        | 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     | 100.0   |
| GE 400                | 99.9                        | 9.9     | 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     | 100.0   |
| GE 300                | 99.9                        | 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     | 100.0   |
| GE 200                | 99.9                        | 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     | 100.0   |
| GE 100                | 99.9                        | 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     | 100.0   |
| GE 000                | 99.9                        | 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     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAR HOURS: 06-08

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 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      | 77.6      | 77.6      | 77.6    |
| GE 20000              | 82.0                        | 82.0    | 82.0    | 82.0    | 82.0    | 82.0        | 82.0    | 82.0        | 82.0        | 82.0    | 82.0      | 82.0      | 82.0      | 82.0      | 82.0      | 82.0    |
| GE 18000              | 82.2                        | 82.2    | 82.2    | 82.2    | 82.2    | 82.2        | 82.2    | 82.2        | 82.2        | 82.2    | 82.2      | 82.2      | 82.2      | 82.2      | 82.2      | 82.2    |
| GE 16000              | 82.3                        | 82.3    | 82.3    | 82.3    | 82.3    | 82.3        | 82.3    | 82.3        | 82.3        | 82.3    | 82.3      | 82.3      | 82.3      | 82.3      | 82.3      | 82.3    |
| GE 14000              | 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      | 83.0    |
| GE 12000              | 87.2                        | 87.2    | 87.2    | 87.2    | 87.2    | 87.2        | 87.2    | 87.2        | 87.2        | 87.2    | 87.2      | 87.2      | 87.2      | 87.2      | 87.2      | 87.2    |
| GE 10000              | 89.5                        | 89.5    | 89.5    | 89.5    | 89.5    | 89.5        | 89.5    | 89.5        | 89.5        | 89.5    | 89.5      | 89.5      | 89.5      | 89.5      | 89.5      | 89.5    |
| GE 9000               | 90.0                        | 90.0    | 90.0    | 90.0    | 90.0    | 90.0        | 90.0    | 90.0        | 90.0        | 90.0    | 90.0      | 90.0      | 90.0      | 90.0      | 90.0      | 90.0    |
| GE 8000               | 90.0                        | 90.0    | 90.0    | 90.0    | 90.0    | 90.0        | 90.0    | 90.0        | 90.0        | 90.0    | 90.0      | 90.0      | 90.0      | 90.0      | 90.0      | 90.0    |
| GE 7000               | 90.3                        | 90.3    | 90.3    | 90.3    | 90.3    | 90.3        | 90.3    | 90.3        | 90.3        | 90.3    | 90.3      | 90.3      | 90.3      | 90.3      | 90.3      | 90.3    |
| GE 6000               | 92.4                        | 92.4    | 92.4    | 92.4    | 92.4    | 92.4        | 92.4    | 92.4        | 92.4        | 92.4    | 92.4      | 92.4      | 92.4      | 92.4      | 92.4      | 92.4    |
| GE 5000               | 95.8                        | 95.8    | 95.9    | 95.9    | 95.9    | 95.9        | 95.9    | 95.9        | 95.9        | 95.9    | 95.9      | 95.9      | 95.9      | 95.9      | 95.9      | 95.9    |
| GE 4500               | 96.0                        | 96.0    | 96.1    | 96.1    | 96.1    | 96.1        | 96.1    | 96.1        | 96.1        | 96.1    | 96.1      | 96.1      | 96.1      | 96.1      | 96.1      | 96.1    |
| GE 4000               | 97.2                        | 97.2    | 97.3    | 97.3    | 97.3    | 97.3        | 97.3    | 97.3        | 97.3        | 97.3    | 97.3      | 97.3      | 97.3      | 97.3      | 97.3      | 97.3    |
| GE 3500               | 97.7                        | 97.7    | 97.8    | 97.8    | 97.8    | 97.8        | 97.8    | 97.8        | 97.8        | 97.8    | 97.8      | 97.8      | 97.8      | 97.8      | 97.8      | 97.8    |
| GE 3000               | 98.6                        | 98.6    | 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      | 98.8    |
| GE 2500               | 98.7                        | 98.7    | 98.9    | 98.9    | 98.9    | 99.0        | 99.0    | 99.0        | 99.0        | 99.0    | 99.0      | 99.0      | 99.0      | 99.0      | 99.0      | 99.0    |
| GE 2000               | 98.9                        | 98.9    | 99.2    | 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 1800               | 98.9                        | 98.9    | 99.2    | 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 1500               | 99.2                        | 99.2    | 99.6    | 99.6    | 99.6    | 99.7        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.8      | 99.8      | 99.8    |
| GE 1200               | 99.2                        | 99.2    | 99.6    | 99.6    | 99.6    | 99.7        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.8      | 99.8      | 99.8    |
| GE 1000               | 99.4                        | 99.4    | 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     | 100.0   |
| GE 900                | 99.4                        | 99.4    | 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     | 100.0   |
| GE 800                | 99.4                        | 99.4    | 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     | 100.0   |
| GE 700                | 99.4                        | 99.4    | 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     | 100.0   |
| GE 600                | 99.4                        | 99.4    | 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     | 100.0   |
| GE 500                | 99.4                        | 99.4    | 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     | 100.0   |
| GE 400                | 99.4                        | 99.4    | 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     | 100.0   |
| GE 300                | 99.4                        | 99.4    | 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     | 100.0   |
| GE 200                | 99.4                        | 99.4    | 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     | 100.0   |
| GE 100                | 99.4                        | 99.4    | 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     | 100.0   |
| GE 000                | 99.4                        | 99.4    | 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     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAR HOURS: 09-11

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NC CEIL               | 79.0                        | 79.0    | 79.0    | 79.0    | 79.0    | 79.0        | 79.0    | 79.0        | 79.0        | 79.0    | 79.0      | 79.0      | 79.0      | 79.0      | 79.0      | 79.0    |
| GE 20000              | 84.1                        | 84.1    | 84.1    | 84.1    | 84.1    | 84.1        | 84.1    | 84.1        | 84.1        | 84.1    | 84.1      | 84.1      | 84.1      | 84.1      | 84.1      | 84.1    |
| GE 18000              | 84.1                        | 84.1    | 84.1    | 84.1    | 84.1    | 84.1        | 84.1    | 84.1        | 84.1        | 84.1    | 84.1      | 84.1      | 84.1      | 84.1      | 84.1      | 84.1    |
| GE 16000              | 84.1                        | 84.1    | 84.1    | 84.1    | 84.1    | 84.1        | 84.1    | 84.1        | 84.1        | 84.1    | 84.1      | 84.1      | 84.1      | 84.1      | 84.1      | 84.1    |
| GE 14000              | 85.3                        | 85.3    | 85.3    | 85.3    | 85.3    | 85.3        | 85.3    | 85.3        | 85.3        | 85.3    | 85.3      | 85.3      | 85.3      | 85.3      | 85.3      | 85.3    |
| GE 12000              | 88.4                        | 88.4    | 88.4    | 88.4    | 88.4    | 88.4        | 88.4    | 88.4        | 88.4        | 88.4    | 88.4      | 88.4      | 88.4      | 88.4      | 88.4      | 88.4    |
| GE 10000              | 90.3                        | 90.3    | 90.3    | 90.3    | 90.3    | 90.3        | 90.3    | 90.3        | 90.3        | 90.3    | 90.3      | 90.3      | 90.3      | 90.3      | 90.3      | 90.3    |
| GE 9000               | 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      | 90.4      | 90.4    |
| GE 8000               | 90.5                        | 90.5    | 90.5    | 90.5    | 90.5    | 90.5        | 90.5    | 90.5        | 90.5        | 90.5    | 90.5      | 90.5      | 90.5      | 90.5      | 90.5      | 90.5    |
| GE 7000               | 91.3                        | 91.3    | 91.3    | 91.3    | 91.3    | 91.3        | 91.3    | 91.3        | 91.3        | 91.3    | 91.3      | 91.3      | 91.3      | 91.3      | 91.3      | 91.3    |
| GE 6000               | 93.1                        | 93.1    | 93.1    | 93.1    | 93.1    | 93.1        | 93.1    | 93.1        | 93.1        | 93.1    | 93.1      | 93.1      | 93.1      | 93.1      | 93.1      | 93.1    |
| GE 5000               | 95.7                        | 95.7    | 95.7    | 95.7    | 95.7    | 95.7        | 95.7    | 95.7        | 95.7        | 95.7    | 95.7      | 95.7      | 95.7      | 95.7      | 95.7      | 95.7    |
| GE 4500               | 95.9                        | 95.9    | 95.9    | 95.9    | 95.9    | 95.9        | 95.9    | 95.9        | 95.9        | 95.9    | 95.9      | 95.9      | 95.9      | 95.9      | 95.9      | 95.9    |
| GE 4000               | 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      | 97.3      | 97.3    |
| GE 3500               | 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 3000               | 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      | 99.1    |
| GE 2500               | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 2000               | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 1800               | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 1500               | 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      | 99.8      | 99.8    |
| GE 1200               | 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 1000               | 99.9                        | 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     | 100.0   |
| GE 900                | 99.9                        | 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     | 100.0   |
| GE 800                | 99.9                        | 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     | 100.0   |
| GE 700                | 99.9                        | 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     | 100.0   |
| GE 600                | 99.9                        | 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     | 100.0   |
| GE 500                | 99.9                        | 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     | 100.0   |
| GE 400                | 99.9                        | 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     | 100.0   |
| GE 300                | 99.9                        | 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     | 100.0   |
| GE 200                | 99.9                        | 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     | 100.0   |
| GE 100                | 99.9                        | 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     | 100.0   |
| GE 000                | 99.9                        | 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     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAR HOURS: 12-14

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 73.3                        | 73.4    | 73.4    | 73.4    | 73.4    | 73.4        | 73.4    | 73.4        | 73.4        | 73.4    | 73.4      | 73.4      | 73.4      | 73.4      | 73.4      | 73.4    |
| GE 20000              | 83.0                        | 83.1    | 83.1    | 83.1    | 83.1    | 83.1        | 83.1    | 83.1        | 83.1        | 83.1    | 83.1      | 83.1      | 83.1      | 83.1      | 83.1      | 83.1    |
| GE 18000              | 83.0                        | 83.1    | 83.1    | 83.1    | 83.1    | 83.1        | 83.1    | 83.1        | 83.1        | 83.1    | 83.1      | 83.1      | 83.1      | 83.1      | 83.1      | 83.1    |
| GE 16000              | 83.0                        | 83.1    | 83.1    | 83.1    | 83.1    | 83.1        | 83.1    | 83.1        | 83.1        | 83.1    | 83.1      | 83.1      | 83.1      | 83.1      | 83.1      | 83.1    |
| GE 14000              | 83.9                        | 84.0    | 84.0    | 84.0    | 84.0    | 84.0        | 84.0    | 84.0        | 84.0        | 84.0    | 84.0      | 84.0      | 84.0      | 84.0      | 84.0      | 84.0    |
| GE 12000              | 85.8                        | 85.9    | 85.9    | 85.9    | 85.9    | 85.9        | 85.9    | 85.9        | 85.9        | 85.9    | 85.9      | 85.9      | 85.9      | 85.9      | 85.9      | 85.9    |
| GE 10000              | 87.8                        | 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      | 88.0      | 88.0    |
| GE 9000               | 88.2                        | 88.3    | 88.3    | 88.3    | 88.3    | 88.3        | 88.3    | 88.3        | 88.3        | 88.3    | 88.3      | 88.3      | 88.3      | 88.3      | 88.3      | 88.3    |
| GE 8000               | 88.7                        | 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 7000               | 89.4                        | 89.5    | 89.5    | 89.5    | 89.5    | 89.5        | 89.5    | 89.5        | 89.5        | 89.5    | 89.5      | 89.5      | 89.5      | 89.5      | 89.5      | 89.5    |
| GE 6000               | 92.7                        | 92.8    | 92.8    | 92.8    | 92.8    | 92.8        | 92.8    | 92.8        | 92.8        | 92.8    | 92.8      | 92.8      | 92.8      | 92.8      | 92.8      | 92.8    |
| GE 5000               | 95.9                        | 96.0    | 96.0    | 96.0    | 96.0    | 96.0        | 96.0    | 96.0        | 96.0        | 96.0    | 96.0      | 96.0      | 96.0      | 96.0      | 96.0      | 96.0    |
| GE 4500               | 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      | 96.2      | 96.2    |
| GE 4000               | 97.7                        | 97.8    | 97.8    | 97.8    | 97.8    | 97.8        | 97.8    | 97.8        | 97.8        | 97.8    | 97.8      | 97.8      | 97.8      | 97.8      | 97.8      | 97.8    |
| GE 3500               | 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      | 99.0      | 99.0      | 99.0    |
| GE 3000               | 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      | 99.9      | 99.9    |
| GE 2500               | 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     | 100.0     | 100.0   |
| GE 2000               | 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     | 100.0     | 100.0   |
| GE 1800               | 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     | 100.0     | 100.0   |
| GE 1500               | 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     | 100.0     | 100.0   |
| GE 1200               | 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     | 100.0     | 100.0   |
| GE 1000               | 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     | 100.0     | 100.0   |
| GE 900                | 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     | 100.0     | 100.0   |
| GE 800                | 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     | 100.0     | 100.0   |
| GE 700                | 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     | 100.0     | 100.0   |
| GE 600                | 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     | 100.0     | 100.0   |
| GE 500                | 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     | 100.0     | 100.0   |
| GE 400                | 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     | 100.0     | 100.0   |
| GE 300                | 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     | 100.0     | 100.0   |
| GE 200                | 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     | 100.0     | 100.0   |
| GE 100                | 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     | 100.0     | 100.0   |
| GE 000                | 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     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAR HOURS: 15-17

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 70.5                        | 70.6    | 70.6    | 70.6    | 70.6    | 70.6        | 70.6    | 70.6        | 70.6        | 70.6    | 70.6      | 70.6      | 70.6      | 70.6      | 70.6      | 70.6    |
| GE 20000              | 82.3                        | 82.4    | 82.4    | 82.4    | 82.4    | 82.4        | 82.4    | 82.4        | 82.4        | 82.4    | 82.4      | 82.4      | 82.4      | 82.4      | 82.4      | 82.4    |
| GE 18000              | 82.4                        | 82.5    | 82.5    | 82.5    | 82.5    | 82.5        | 82.5    | 82.5        | 82.5        | 82.5    | 82.5      | 82.5      | 82.5      | 82.5      | 82.5      | 82.5    |
| GE 16000              | 82.4                        | 82.5    | 82.5    | 82.5    | 82.5    | 82.5        | 82.5    | 82.5        | 82.5        | 82.5    | 82.5      | 82.5      | 82.5      | 82.5      | 82.5      | 82.5    |
| GE 14000              | 83.2                        | 83.3    | 83.3    | 83.3    | 83.3    | 83.3        | 83.3    | 83.3        | 83.3        | 83.3    | 83.3      | 83.3      | 83.3      | 83.3      | 83.3      | 83.3    |
| GE 12000              | 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      | 85.1      | 85.1      | 85.1    |
| GE 10000              | 86.5                        | 86.6    | 86.6    | 86.6    | 86.6    | 86.6        | 86.6    | 86.6        | 86.6        | 86.6    | 86.6      | 86.6      | 86.6      | 86.6      | 86.6      | 86.6    |
| GE 9000               | 86.5                        | 86.6    | 86.6    | 86.6    | 86.6    | 86.6        | 86.6    | 86.6        | 86.6        | 86.6    | 86.6      | 86.6      | 86.6      | 86.6      | 86.6      | 86.6    |
| GE 8000               | 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      | 88.2      | 88.2      | 88.2    |
| GE 7000               | 89.6                        | 89.7    | 89.7    | 89.7    | 89.7    | 89.7        | 89.7    | 89.7        | 89.7        | 89.7    | 89.7      | 89.7      | 89.7      | 89.7      | 89.7      | 89.7    |
| GE 6000               | 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      | 93.8      | 93.8      | 93.8    |
| GE 5000               | 96.3                        | 96.5    | 96.5    | 96.5    | 96.5    | 96.5        | 96.5    | 96.5        | 96.5        | 96.5    | 96.5      | 96.5      | 96.5      | 96.5      | 96.5      | 96.5    |
| GE 4500               | 97.1                        | 97.2    | 97.2    | 97.2    | 97.2    | 97.2        | 97.2    | 97.2        | 97.2        | 97.2    | 97.2      | 97.2      | 97.2      | 97.2      | 97.2      | 97.2    |
| GE 4000               | 98.0                        | 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      | 98.2      | 98.2    |
| GE 3500               | 98.5                        | 98.6    | 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 3000               | 99.0                        | 99.1    | 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      | 99.4    |
| GE 2500               | 99.1                        | 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    |
| GE 2000               | 99.4                        | 99.5    | 99.6    | 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 1800               | 99.4                        | 99.5    | 99.6    | 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 1500               | 99.4                        | 99.5    | 99.6    | 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 1200               | 99.5                        | 99.6    | 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     | 100.0   |
| GE 1000               | 99.5                        | 99.6    | 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     | 100.0   |
| GE 900                | 99.5                        | 99.6    | 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     | 100.0   |
| GE 800                | 99.5                        | 99.6    | 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     | 100.0   |
| GE 700                | 99.5                        | 99.6    | 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     | 100.0   |
| GE 600                | 99.5                        | 99.6    | 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     | 100.0   |
| GE 500                | 99.5                        | 99.6    | 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     | 100.0   |
| GE 400                | 99.5                        | 99.6    | 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     | 100.0   |
| GE 300                | 99.5                        | 99.6    | 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     | 100.0   |
| GE 200                | 99.5                        | 99.6    | 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     | 100.0   |
| GE 100                | 99.5                        | 99.6    | 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     | 100.0   |
| GE 000                | 99.5                        | 99.6    | 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     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAR HOURS: 18-20

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 76.1                        | 76.1    | 76.1    | 76.1    | 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 20000              | 84.7                        | 84.7    | 84.7    | 84.7    | 84.7    | 84.7        | 84.7    | 84.7        | 84.7        | 84.7    | 84.7      | 84.7      | 84.7      | 84.7      | 84.7      | 84.7    |
| GE 18000              | 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      | 84.9      | 84.9      | 84.9    |
| GE 16000              | 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      | 84.9      | 84.9      | 84.9    |
| GE 14000              | 85.7                        | 85.7    | 85.7    | 85.7    | 85.7    | 85.7        | 85.7    | 85.7        | 85.7        | 85.7    | 85.7      | 85.7      | 85.7      | 85.7      | 85.7      | 85.7    |
| GE 12000              | 87.5                        | 87.5    | 87.5    | 87.5    | 87.5    | 87.5        | 87.5    | 87.5        | 87.5        | 87.5    | 87.5      | 87.5      | 87.5      | 87.5      | 87.5      | 87.5    |
| GE 10000              | 89.9                        | 89.9    | 89.9    | 89.9    | 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 9000               | 90.2                        | 90.2    | 90.2    | 90.2    | 90.2    | 90.2        | 90.2    | 90.2        | 90.2        | 90.2    | 90.2      | 90.2      | 90.2      | 90.2      | 90.2      | 90.2    |
| GE 8000               | 92.4                        | 92.4    | 92.4    | 92.4    | 92.4    | 92.4        | 92.4    | 92.4        | 92.4        | 92.4    | 92.4      | 92.4      | 92.4      | 92.4      | 92.4      | 92.4    |
| GE 7000               | 93.2                        | 93.2    | 93.2    | 93.2    | 93.2    | 93.2        | 93.2    | 93.2        | 93.2        | 93.2    | 93.2      | 93.2      | 93.2      | 93.2      | 93.2      | 93.2    |
| GE 6000               | 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      | 95.8      | 95.8    |
| GE 5000               | 96.6                        | 96.6    | 96.6    | 96.6    | 96.6    | 96.6        | 96.6    | 96.6        | 96.6        | 96.6    | 96.6      | 96.6      | 96.6      | 96.6      | 96.6      | 96.6    |
| GE 4500               | 97.0                        | 97.0    | 97.0    | 97.0    | 97.0    | 97.0        | 97.0    | 97.0        | 97.0        | 97.0    | 97.0      | 97.0      | 97.0      | 97.0      | 97.0      | 97.0    |
| GE 4000               | 97.8                        | 97.8    | 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               | 98.4                        | 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      | 98.6    |
| GE 3000               | 99.1                        | 99.2    | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 2500               | 99.1                        | 99.2    | 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 2000               | 99.1                        | 99.2    | 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 1800               | 99.1                        | 99.2    | 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 1500               | 99.2                        | 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      | 99.9    |
| GE 1200               | 99.4                        | 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     | 100.0   |
| GE 1000               | 99.4                        | 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     | 100.0   |
| GE 900                | 99.4                        | 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     | 100.0   |
| GE 800                | 99.4                        | 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     | 100.0   |
| GE 700                | 99.4                        | 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     | 100.0   |
| GE 600                | 99.4                        | 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     | 100.0   |
| GE 500                | 99.4                        | 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     | 100.0   |
| GE 400                | 99.4                        | 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     | 100.0   |
| GE 300                | 99.4                        | 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     | 100.0   |
| GE 200                | 99.4                        | 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     | 100.0   |
| GE 100                | 99.4                        | 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     | 100.0   |
| GE 000                | 99.4                        | 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     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAR HOURS: 21-23

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 77.8                        | 77.8    | 77.8    | 77.8    | 77.8    | 77.8        | 77.8    | 77.8        | 77.8        | 77.8    | 77.8      | 77.8      | 77.8      | 77.8      | 77.8      | 77.8    |
| GE 20000              | 83.4                        | 83.4    | 83.4    | 83.4    | 83.4    | 83.4        | 83.4    | 83.4        | 83.4        | 83.4    | 83.4      | 83.4      | 83.4      | 83.4      | 83.4      | 83.4    |
| GE 18000              | 83.5                        | 83.5    | 83.5    | 83.5    | 83.5    | 83.5        | 83.5    | 83.5        | 83.5        | 83.5    | 83.5      | 83.5      | 83.5      | 83.5      | 83.5      | 83.5    |
| GE 16000              | 83.5                        | 83.5    | 83.5    | 83.5    | 83.5    | 83.5        | 83.5    | 83.5        | 83.5        | 83.5    | 83.5      | 83.5      | 83.5      | 83.5      | 83.5      | 83.5    |
| GE 14000              | 84.4                        | 84.4    | 84.4    | 84.4    | 84.4    | 84.4        | 84.4    | 84.4        | 84.4        | 84.4    | 84.4      | 84.4      | 84.4      | 84.4      | 84.4      | 84.4    |
| GE 12000              | 86.9                        | 86.9    | 86.9    | 86.9    | 86.9    | 86.9        | 86.9    | 86.9        | 86.9        | 86.9    | 86.9      | 86.9      | 86.9      | 86.9      | 86.9      | 86.9    |
| GE 10000              | 90.2                        | 90.2    | 90.2    | 90.2    | 90.2    | 90.2        | 90.2    | 90.2        | 90.2        | 90.2    | 90.2      | 90.2      | 90.2      | 90.2      | 90.2      | 90.2    |
| GE 9000               | 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      | 90.8      | 90.8      | 90.8    |
| GE 8000               | 92.0                        | 92.0    | 92.0    | 92.0    | 92.0    | 92.0        | 92.0    | 92.0        | 92.0        | 92.0    | 92.0      | 92.0      | 92.0      | 92.0      | 92.0      | 92.0    |
| GE 7000               | 93.1                        | 93.1    | 93.1    | 93.1    | 93.1    | 93.1        | 93.1    | 93.1        | 93.1        | 93.1    | 93.1      | 93.1      | 93.1      | 93.1      | 93.1      | 93.1    |
| GE 6000               | 95.3                        | 95.3    | 95.3    | 95.3    | 95.3    | 95.3        | 95.3    | 95.3        | 95.3        | 95.3    | 95.3      | 95.3      | 95.3      | 95.3      | 95.3      | 95.3    |
| GE 5000               | 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      | 97.1      | 97.1    |
| GE 4500               | 97.2                        | 97.2    | 97.2    | 97.2    | 97.2    | 97.2        | 97.2    | 97.2        | 97.2        | 97.2    | 97.2      | 97.2      | 97.2      | 97.2      | 97.2      | 97.2    |
| GE 4000               | 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 3500               | 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 3000               | 99.5                        | 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      | 99.6      | 99.6    |
| GE 2500               | 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      | 99.7      | 99.7      | 99.7    |
| GE 2000               | 99.8                        | 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     | 100.0   |
| GE 1800               | 99.8                        | 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     | 100.0   |
| GE 1500               | 99.8                        | 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     | 100.0   |
| GE 1200               | 99.8                        | 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     | 100.0   |
| GE 1000               | 99.8                        | 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     | 100.0   |
| GE 900                | 99.8                        | 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     | 100.0   |
| GE 800                | 99.8                        | 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     | 100.0   |
| GE 700                | 99.8                        | 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     | 100.0   |
| GE 600                | 99.8                        | 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     | 100.0   |
| GE 500                | 99.8                        | 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     | 100.0   |
| GE 400                | 99.8                        | 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     | 100.0   |
| GE 300                | 99.8                        | 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     | 100.0   |
| GE 200                | 99.8                        | 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     | 100.0   |
| GE 100                | 99.8                        | 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     | 100.0   |
| GE 000                | 99.8                        | 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     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAR HOURS: ALL

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 76.7                        | 76.7    | 76.7    | 76.7    | 76.7    | 76.7        | 76.7    | 76.7        | 76.7        | 76.7    | 76.7      | 76.7      | 76.7      | 76.7      | 76.7      | 76.7    |
| GE 20000              | 83.3                        | 83.3    | 83.3    | 83.3    | 83.3    | 83.3        | 83.3    | 83.3        | 83.3        | 83.3    | 83.3      | 83.3      | 83.3      | 83.3      | 83.3      | 83.3    |
| GE 18000              | 83.3                        | 83.4    | 83.4    | 83.4    | 83.4    | 83.4        | 83.4    | 83.4        | 83.4        | 83.4    | 83.4      | 83.4      | 83.4      | 83.4      | 83.4      | 83.4    |
| GE 16000              | 83.4                        | 83.4    | 83.4    | 83.4    | 83.4    | 83.4        | 83.4    | 83.4        | 83.4        | 83.4    | 83.4      | 83.4      | 83.4      | 83.4      | 83.4      | 83.4    |
| GE 14000              | 84.2                        | 84.2    | 84.2    | 84.2    | 84.2    | 84.2        | 84.2    | 84.2        | 84.2        | 84.2    | 84.2      | 84.2      | 84.2      | 84.2      | 84.2      | 84.2    |
| GE 12000              | 86.7                        | 86.8    | 86.8    | 86.8    | 86.8    | 86.8        | 86.8    | 86.8        | 86.8        | 86.8    | 86.8      | 86.8      | 86.8      | 86.8      | 86.8      | 86.8    |
| GE 10000              | 88.9                        | 89.0    | 89.0    | 89.0    | 89.0    | 89.0        | 89.0    | 89.0        | 89.0        | 89.0    | 89.0      | 89.0      | 89.0      | 89.0      | 89.0      | 89.0    |
| GE 9000               | 89.4                        | 89.4    | 89.4    | 89.4    | 89.4    | 89.4        | 89.4    | 89.4        | 89.4        | 89.4    | 89.4      | 89.4      | 89.4      | 89.4      | 89.4      | 89.4    |
| GE 8000               | 90.2                        | 90.2    | 90.2    | 90.2    | 90.2    | 90.2        | 90.2    | 90.2        | 90.2        | 90.2    | 90.2      | 90.2      | 90.2      | 90.2      | 90.2      | 90.2    |
| GE 7000               | 91.1                        | 91.1    | 91.1    | 91.1    | 91.1    | 91.1        | 91.1    | 91.1        | 91.1        | 91.1    | 91.1      | 91.1      | 91.1      | 91.1      | 91.1      | 91.1    |
| GE 6000               | 93.6                        | 93.6    | 93.6    | 93.6    | 93.6    | 93.6        | 93.6    | 93.6        | 93.6        | 93.6    | 93.6      | 93.6      | 93.6      | 93.6      | 93.6      | 93.6    |
| GE 5000               | 96.2                        | 96.3    | 96.3    | 96.3    | 96.3    | 96.3        | 96.3    | 96.3        | 96.3        | 96.3    | 96.3      | 96.3      | 96.3      | 96.3      | 96.3      | 96.3    |
| GE 4500               | 96.6                        | 96.6    | 96.6    | 96.6    | 96.6    | 96.6        | 96.6    | 96.6        | 96.6        | 96.6    | 96.6      | 96.6      | 96.6      | 96.6      | 96.6      | 96.6    |
| GE 4000               | 97.7                        | 97.8    | 97.8    | 97.8    | 97.8    | 97.8        | 97.8    | 97.8        | 97.8        | 97.8    | 97.8      | 97.8      | 97.8      | 97.8      | 97.8      | 97.8    |
| GE 3500               | 98.5                        | 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      | 98.6    |
| GE 3000               | 99.4                        | 99.4    | 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 2500               | 99.5                        | 99.5    | 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               | 99.6                        | 99.6    | 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 1800               | 99.6                        | 99.6    | 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 1500               | 99.6                        | 99.7    | 99.8    | 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               | 99.7                        | 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     | 100.0     | 100.0   |
| GE 1000               | 99.7                        | 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     | 100.0     | 100.0   |
| GE 900                | 99.7                        | 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     | 100.0     | 100.0   |
| GE 800                | 99.7                        | 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     | 100.0     | 100.0   |
| GE 700                | 99.7                        | 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     | 100.0     | 100.0   |
| GE 600                | 99.7                        | 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     | 100.0     | 100.0   |
| GE 500                | 99.7                        | 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     | 100.0     | 100.0   |
| GE 400                | 99.7                        | 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     | 100.0     | 100.0   |
| GE 300                | 99.7                        | 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     | 100.0     | 100.0   |
| GE 200                | 99.7                        | 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     | 100.0     | 100.0   |
| GE 100                | 99.7                        | 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     | 100.0     | 100.0   |
| GE 000                | 99.7                        | 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     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: APR HOURS: 00-02

| CEILING  |  | VISIBILITY IN STATUTE MILES |      |      |       |       |          |       |          |          |       |        |        |        |        |        |       |
|----------|--|-----------------------------|------|------|-------|-------|----------|-------|----------|----------|-------|--------|--------|--------|--------|--------|-------|
| IN FEET  |  | GE 7                        | GE 6 | GE 5 | GE 4  | GE 3  | GE 2 1/2 | GE 2  | GE 1 1/2 | GE 1 1/4 | GE 1  | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0  |
| NO CEIL  |  | 84.0                        | 84.0 | 84.0 | 84.0  | 84.0  | 84.0     | 84.0  | 84.0     | 84.0     | 84.0  | 84.0   | 84.0   | 84.0   | 84.0   | 84.0   | 84.0  |
| GE 20000 |  | 87.7                        | 87.7 | 87.7 | 87.7  | 87.7  | 87.7     | 87.7  | 87.7     | 87.7     | 87.7  | 87.7   | 87.7   | 87.7   | 87.7   | 87.7   | 87.7  |
| GE 18000 |  | 88.1                        | 88.1 | 88.1 | 88.1  | 88.1  | 88.1     | 88.1  | 88.1     | 88.1     | 88.1  | 88.1   | 88.1   | 88.1   | 88.1   | 88.1   | 88.1  |
| GE 16000 |  | 88.1                        | 88.1 | 88.1 | 88.1  | 88.1  | 88.1     | 88.1  | 88.1     | 88.1     | 88.1  | 88.1   | 88.1   | 88.1   | 88.1   | 88.1   | 88.1  |
| GE 14000 |  | 88.9                        | 88.9 | 88.9 | 88.9  | 88.9  | 88.9     | 88.9  | 88.9     | 88.9     | 88.9  | 88.9   | 88.9   | 88.9   | 88.9   | 88.9   | 88.9  |
| GE 12000 |  | 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   | 90.8   | 90.8   | 90.8  |
| GE 10000 |  | 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   | 94.0   | 94.0  |
| GE 9000  |  | 94.2                        | 94.2 | 94.2 | 94.2  | 94.2  | 94.2     | 94.2  | 94.2     | 94.2     | 94.2  | 94.2   | 94.2   | 94.2   | 94.2   | 94.2   | 94.2  |
| GE 8000  |  | 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 7000  |  | 95.2                        | 95.2 | 95.2 | 95.2  | 95.2  | 95.2     | 95.2  | 95.2     | 95.2     | 95.2  | 95.2   | 95.2   | 95.2   | 95.2   | 95.2   | 95.2  |
| GE 6000  |  | 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   | 97.1   | 97.1  |
| GE 5000  |  | 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   | 98.8   | 98.8   | 98.8  |
| GE 4500  |  | 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   | 98.8   | 98.8   | 98.8  |
| GE 4000  |  | 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   | 99.1   | 99.1   | 99.1  |
| GE 3500  |  | 99.1                        | 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   | 99.2   | 99.2  |
| GE 3000  |  | 99.7                        | 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   | 99.8   | 99.8  |
| GE 2500  |  | 99.7                        | 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   | 99.8   | 99.8  |
| GE 2000  |  | 99.7                        | 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  |  | 99.7                        | 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  |  | 99.8                        | 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 1200  |  | 99.8                        | 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 1000  |  | 99.8                        | 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   |  | 99.8                        | 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   |  | 99.8                        | 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   |  | 99.8                        | 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   |  | 99.8                        | 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   |  | 99.8                        | 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   |  | 99.8                        | 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   |  | 99.8                        | 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   |  | 99.8                        | 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   |  | 99.8                        | 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 000   |  | 99.8                        | 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 900



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: APR HOURS: 03-05

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 84.8                        | 84.8    | 84.8    | 84.8    | 84.8    | 84.8        | 84.8    | 84.8        | 84.8        | 84.8    | 84.8      | 84.8      | 84.8      | 84.8      | 84.8      | 84.8    |
| GE 20000              | 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      | 88.7      | 88.7    |
| GE 18000              | 88.9                        | 88.9    | 88.9    | 88.9    | 88.9    | 88.9        | 88.9    | 88.9        | 88.9        | 88.9    | 88.9      | 88.9      | 88.9      | 88.9      | 88.9      | 88.9    |
| GE 16000              | 88.9                        | 88.9    | 88.9    | 88.9    | 88.9    | 88.9        | 88.9    | 88.9        | 88.9        | 88.9    | 88.9      | 88.9      | 88.9      | 88.9      | 88.9      | 88.9    |
| GE 14000              | 89.4                        | 89.4    | 89.4    | 89.4    | 89.4    | 89.4        | 89.4    | 89.4        | 89.4        | 89.4    | 89.4      | 89.4      | 89.4      | 89.4      | 89.4      | 89.4    |
| GE 12000              | 90.7                        | 90.7    | 90.7    | 90.7    | 90.7    | 90.7        | 90.7    | 90.7        | 90.7        | 90.7    | 90.7      | 90.7      | 90.7      | 90.7      | 90.7      | 90.7    |
| GE 10000              | 93.3                        | 93.3    | 93.3    | 93.3    | 93.3    | 93.3        | 93.3    | 93.3        | 93.3        | 93.3    | 93.3      | 93.3      | 93.3      | 93.3      | 93.3      | 93.3    |
| GE 9000               | 93.6                        | 93.6    | 93.6    | 93.6    | 93.6    | 93.6        | 93.6    | 93.6        | 93.6        | 93.6    | 93.6      | 93.6      | 93.6      | 93.6      | 93.6      | 93.6    |
| GE 8000               | 94.6                        | 94.6    | 94.6    | 94.6    | 94.6    | 94.6        | 94.6    | 94.6        | 94.6        | 94.6    | 94.6      | 94.6      | 94.6      | 94.6      | 94.6      | 94.6    |
| GE 7000               | 95.1                        | 95.1    | 95.1    | 95.1    | 95.1    | 95.1        | 95.1    | 95.1        | 95.1        | 95.1    | 95.1      | 95.1      | 95.1      | 95.1      | 95.1      | 95.1    |
| GE 6000               | 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      | 97.1      | 97.1    |
| GE 5000               | 98.4                        | 98.4    | 98.4    | 98.4    | 98.4    | 98.4        | 98.4    | 98.4        | 98.4        | 98.4    | 98.4      | 98.4      | 98.4      | 98.4      | 98.4      | 98.4    |
| GE 4500               | 98.4                        | 98.4    | 98.4    | 98.4    | 98.4    | 98.4        | 98.4    | 98.4        | 98.4        | 98.4    | 98.4      | 98.4      | 98.4      | 98.4      | 98.4      | 98.4    |
| GE 4000               | 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      | 98.8      | 98.8      | 98.8    |
| GE 3500               | 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      | 99.0    |
| GE 3000               | 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      | 99.8      | 99.8    |
| GE 2500               | 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     | 100.0     | 100.0   |
| GE 2000               | 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     | 100.0     | 100.0   |
| GE 1800               | 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     | 100.0     | 100.0   |
| GE 1500               | 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     | 100.0     | 100.0   |
| GE 1200               | 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     | 100.0     | 100.0   |
| GE 1000               | 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     | 100.0     | 100.0   |
| GE 900                | 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     | 100.0     | 100.0   |
| GE 800                | 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     | 100.0     | 100.0   |
| GE 700                | 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     | 100.0     | 100.0   |
| GE 600                | 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     | 100.0     | 100.0   |
| GE 500                | 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     | 100.0     | 100.0   |
| GE 400                | 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     | 100.0     | 100.0   |
| GE 300                | 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     | 100.0     | 100.0   |
| GE 200                | 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     | 100.0     | 100.0   |
| GE 100                | 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     | 100.0     | 100.0   |
| GE 000                | 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     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: APR HOURS: 06-08

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 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      | 84.9      | 84.9      | 84.9    |
| GE 20000              | 88.4                        | 88.4    | 88.4    | 88.4    | 88.4    | 88.4        | 88.4    | 88.4        | 88.4        | 88.4    | 88.4      | 88.4      | 88.4      | 88.4      | 88.4      | 88.4    |
| GE 18000              | 88.6                        | 88.6    | 88.6    | 88.6    | 88.6    | 88.6        | 88.6    | 88.6        | 88.6        | 88.6    | 88.6      | 88.6      | 88.6      | 88.6      | 88.6      | 88.6    |
| GE 16000              | 88.6                        | 88.6    | 88.6    | 88.6    | 88.6    | 88.6        | 88.6    | 88.6        | 88.6        | 88.6    | 88.6      | 88.6      | 88.6      | 88.6      | 88.6      | 88.6    |
| GE 14000              | 89.4                        | 89.4    | 89.4    | 89.4    | 89.4    | 89.4        | 89.4    | 89.4        | 89.4        | 89.4    | 89.4      | 89.4      | 89.4      | 89.4      | 89.4      | 89.4    |
| GE 12000              | 91.6                        | 91.6    | 91.6    | 91.6    | 91.6    | 91.6        | 1.6     | 91.6        | 91.6        | 91.6    | 91.6      | 91.6      | 91.6      | 91.6      | 91.6      | 91.6    |
| GE 10000              | 94.3                        | 94.3    | 94.3    | 94.3    | 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 9000               | 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      | 94.8      | 94.8    |
| GE 8000               | 95.9                        | 95.9    | 95.9    | 95.9    | 95.9    | 95.9        | 95.9    | 95.9        | 95.9        | 95.9    | 95.9      | 95.9      | 95.9      | 95.9      | 95.9      | 95.9    |
| GE 7000               | 96.6                        | 96.6    | 96.6    | 96.6    | 96.6    | 96.6        | 96.6    | 96.6        | 96.6        | 96.6    | 96.6      | 96.6      | 96.6      | 96.6      | 96.6      | 96.6    |
| GE 6000               | 97.4                        | 97.4    | 97.4    | 97.4    | 97.4    | 97.4        | 97.4    | 97.4        | 97.4        | 97.4    | 97.4      | 97.4      | 97.4      | 97.4      | 97.4      | 97.4    |
| GE 5000               | 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      | 99.0    |
| GE 4500               | 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      | 99.0    |
| GE 4000               | 99.4                        | 99.4    | 99.4    | 99.4    | 99.4    | 99.4        | 99.4    | 99.4        | 99.4        | 99.4    | 99.4      | 99.4      | 99.4      | 99.4      | 99.4      | 99.4    |
| GE 3500               | 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      | 99.8      | 99.8    |
| GE 3000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 2500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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 000                | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: APR HOURS: 09-11

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 82.4                        | 82.4    | 82.4    | 82.4    | 82.4    | 82.4        | 82.4    | 82.4        | 82.4        | 82.4    | 82.4      | 82.4      | 82.4      | 82.4      | 82.4      | 82.4    |
| GE 20000              | 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 18000              | 89.6                        | 89.6    | 89.6    | 89.6    | 89.6    | 89.6        | 89.6    | 89.6        | 89.6        | 89.6    | 89.6      | 89.6      | 89.6      | 89.6      | 89.6      | 89.6    |
| GE 16000              | 89.9                        | 89.9    | 89.9    | 89.9    | 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 14000              | 90.9                        | 90.9    | 90.9    | 90.9    | 90.9    | 90.9        | 90.9    | 90.9        | 90.9        | 90.9    | 90.9      | 90.9      | 90.9      | 90.9      | 90.9      | 90.9    |
| GE 12000              | 92.7                        | 92.7    | 92.7    | 92.7    | 92.7    | 92.7        | 92.7    | 92.7        | 92.7        | 92.7    | 92.7      | 92.7      | 92.7      | 92.7      | 92.7      | 92.7    |
| GE 10000              | 93.6                        | 93.6    | 93.6    | 93.6    | 93.6    | 93.6        | 93.6    | 93.6        | 93.6        | 93.6    | 93.6      | 93.6      | 93.6      | 93.6      | 93.6      | 93.6    |
| GE 9000               | 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      | 94.0      | 94.0    |
| GE 8000               | 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      | 94.8      | 94.8    |
| GE 7000               | 95.4                        | 95.4    | 95.4    | 95.4    | 95.4    | 95.4        | 95.4    | 95.4        | 95.4        | 95.4    | 95.4      | 95.4      | 95.4      | 95.4      | 95.4      | 95.4    |
| GE 6000               | 96.6                        | 96.6    | 96.6    | 96.6    | 96.6    | 96.6        | 96.6    | 96.6        | 96.6        | 96.6    | 96.6      | 96.6      | 96.6      | 96.6      | 96.6      | 96.6    |
| GE 5000               | 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 4500               | 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 4000               | 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      | 98.8      | 98.8      | 98.8    |
| GE 3500               | 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      | 99.1    |
| GE 3000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 2500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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 000                | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: APR HOURS: 12-14

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 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      | 77.6      | 77.6      | 77.6    |
| GE 20000              | 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      | 87.9      | 87.9      | 87.9    |
| GE 18000              | 88.1                        | 88.1    | 88.1    | 88.1    | 88.1    | 88.1        | 88.1    | 88.1        | 88.1        | 88.1    | 88.1      | 88.1      | 88.1      | 88.1      | 88.1      | 88.1    |
| GE 16000              | 88.3                        | 88.3    | 88.3    | 88.3    | 88.3    | 88.3        | 88.3    | 88.3        | 88.3        | 88.3    | 88.3      | 88.3      | 88.3      | 88.3      | 88.3      | 88.3    |
| GE 14000              | 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      | 88.8    |
| GE 12000              | 90.9                        | 90.9    | 90.9    | 90.9    | 90.9    | 90.9        | 90.9    | 90.9        | 90.9        | 90.9    | 90.9      | 90.9      | 90.9      | 90.9      | 90.9      | 90.9    |
| GE 10000              | 92.2                        | 92.2    | 92.2    | 92.2    | 92.2    | 92.2        | 92.2    | 92.2        | 92.2        | 92.2    | 92.2      | 92.2      | 92.2      | 92.2      | 92.2      | 92.2    |
| GE 9000               | 92.8                        | 92.8    | 92.8    | 92.8    | 92.8    | 92.8        | 92.8    | 92.8        | 92.8        | 92.8    | 92.8      | 92.8      | 92.8      | 92.8      | 92.8      | 92.8    |
| GE 8000               | 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      | 93.4      | 93.4      | 93.4    |
| GE 7000               | 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 6000               | 96.9                        | 96.9    | 96.9    | 96.9    | 96.9    | 96.9        | 96.9    | 96.9        | 96.9        | 96.9    | 96.9      | 96.9      | 96.9      | 96.9      | 96.9      | 96.9    |
| GE 5000               | 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      | 98.3    |
| GE 4500               | 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 4000               | 99.4                        | 99.4    | 99.4    | 99.4    | 99.4    | 99.4        | 99.4    | 99.4        | 99.4        | 99.4    | 99.4      | 99.4      | 99.4      | 99.4      | 99.4      | 99.4    |
| GE 3500               | 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      | 99.8      | 99.8    |
| GE 3000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 2500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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 000                | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: APR HOURS: 15-17

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 76.5                        | 76.5    | 76.5    | 76.5    | 76.5    | 76.5        | 76.5    | 76.5        | 76.5        | 76.5    | 76.5      | 76.5      | 76.5      | 76.5      | 76.5      | 76.5    |
| GE 20000              | 85.1                        | 85.1    | 85.1    | 85.1    | 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 18000              | 85.3                        | 85.3    | 85.3    | 85.3    | 85.3    | 85.3        | 85.3    | 85.3        | 85.3        | 85.3    | 85.3      | 85.3      | 85.3      | 85.3      | 85.3      | 85.3    |
| GE 16000              | 85.4                        | 85.4    | 85.4    | 85.4    | 85.4    | 85.4        | 85.4    | 85.4        | 85.4        | 85.4    | 85.4      | 85.4      | 85.4      | 85.4      | 85.4      | 85.4    |
| GE 14000              | 85.9                        | 85.9    | 85.9    | 85.9    | 85.9    | 85.9        | 85.9    | 85.9        | 85.9        | 85.9    | 85.9      | 85.9      | 85.9      | 85.9      | 85.9      | 85.9    |
| GE 12000              | 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 10000              | 91.3                        | 91.3    | 91.3    | 91.3    | 91.3    | 91.3        | 91.3    | 91.3        | 91.3        | 91.3    | 91.3      | 91.3      | 91.3      | 91.3      | 91.3      | 91.3    |
| GE 9000               | 92.0                        | 92.0    | 92.0    | 92.0    | 92.0    | 92.0        | 92.0    | 92.0        | 92.0        | 92.0    | 92.0      | 92.0      | 92.0      | 92.0      | 92.0      | 92.0    |
| GE 8000               | 93.2                        | 93.2    | 93.2    | 93.2    | 93.2    | 93.2        | 93.2    | 93.2        | 93.2        | 93.2    | 93.2      | 93.2      | 93.2      | 93.2      | 93.2      | 93.2    |
| GE 7000               | 95.1                        | 95.1    | 95.1    | 95.1    | 95.1    | 95.1        | 95.1    | 95.1        | 95.1        | 95.1    | 95.1      | 95.1      | 95.1      | 95.1      | 95.1      | 95.1    |
| GE 6000               | 97.8                        | 97.8    | 97.8    | 97.8    | 97.8    | 97.8        | 97.8    | 97.8        | 97.8        | 97.8    | 97.8      | 97.8      | 97.8      | 97.8      | 97.8      | 97.8    |
| GE 5000               | 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 4500               | 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 4000               | 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      | 99.8      | 99.8    |
| GE 3500               | 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      | 99.8      | 99.8    |
| GE 3000               | 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 2500               | 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 2000               | 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 1800               | 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 1500               | 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 1200               | 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 1000               | 99.9                        | 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     | 100.0   |
| GE 900                | 99.9                        | 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     | 100.0   |
| GE 800                | 99.9                        | 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     | 10.0    |
| GE 700                | 99.9                        | 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     | 100.0   |
| GE 600                | 99.9                        | 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     | 100.0   |
| GE 500                | 99.9                        | 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     | 100.0   |
| GE 400                | 99.9                        | 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     | 100.0   |
| GE 300                | 99.9                        | 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     | 100.0   |
| GE 200                | 99.9                        | 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     | 100.0   |
| GE 100                | 99.9                        | 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     | 100.0   |
| GE 000                | 99.9                        | 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     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 899

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: APR HOURS: 18-20

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 79.3                        | 79.3    | 79.3    | 79.3    | 79.3    | 79.3        | 79.3    | 79.3        | 79.3        | 79.3    | 79.3      | 79.3      | 79.3      | 79.3      | 79.3      | 79.3    |
| GE 20000              | 85.6                        | 85.6    | 85.6    | 85.6    | 85.6    | 85.6        | 85.6    | 85.6        | 85.6        | 85.6    | 85.6      | 85.6      | 85.6      | 85.6      | 85.6      | 85.6    |
| GE 18000              | 86.0                        | 86.0    | 86.0    | 86.0    | 86.0    | 86.0        | 86.0    | 86.0        | 86.0        | 86.0    | 86.0      | 86.0      | 86.0      | 86.0      | 86.0      | 86.0    |
| GE 16000              | 86.0                        | 86.0    | 86.0    | 86.0    | 86.0    | 86.0        | 86.0    | 86.0        | 86.0        | 86.0    | 86.0      | 86.0      | 86.0      | 86.0      | 86.0      | 86.0    |
| GE 14000              | 86.7                        | 86.7    | 86.7    | 86.7    | 86.7    | 86.7        | 86.7    | 86.7        | 86.7        | 86.7    | 86.7      | 86.7      | 86.7      | 86.7      | 86.7      | 86.7    |
| GE 12000              | 89.4                        | 89.4    | 89.4    | 89.4    | 89.4    | 89.4        | 89.4    | 89.4        | 89.4        | 89.4    | 89.4      | 89.4      | 89.4      | 89.4      | 89.4      | 89.4    |
| GE 10000              | 91.6                        | 91.6    | 91.6    | 91.6    | 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 9000               | 92.3                        | 92.3    | 92.3    | 92.3    | 92.3    | 92.3        | 92.3    | 92.3        | 92.3        | 92.3    | 92.3      | 92.3      | 92.3      | 92.3      | 92.3      | 92.3    |
| GE 8000               | 93.8                        | 93.8    | 93.8    | 93.8    | 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 7000               | 96.2                        | 96.2    | 96.2    | 96.2    | 96.2    | 96.2        | 96.2    | 96.2        | 96.2        | 96.2    | 96.2      | 96.2      | 96.2      | 96.2      | 96.2      | 96.2    |
| GE 6000               | 97.8                        | 97.8    | 97.8    | 97.8    | 97.8    | 97.8        | 97.8    | 97.8        | 97.8        | 97.8    | 97.8      | 97.8      | 97.8      | 97.8      | 97.8      | 97.8    |
| GE 5000               | 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 4500               | 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 4000               | 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 3500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 3000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 2500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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 000                | 100.0                       | 100.0   | 100.0   | 100.0   | 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 897

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: APR HOURS: 21-23

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 83.1                        | 83.1    | 83.1    | 83.1    | 83.1    | 83.1        | 83.1    | 83.1        | 83.1        | 83.1    | 83.1      | 83.1      | 83.1      | 83.1      | 83.1      | 83.1    |
| GE 20000              | 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      | 87.6      | 87.6    |
| GE 18000              | 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      | 88.0      | 88.0      | 88.0    |
| GE 16000              | 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      | 88.0      | 88.0      | 88.0    |
| GE 14000              | 88.5                        | 88.5    | 88.5    | 88.5    | 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 12000              | 90.3                        | 90.3    | 90.3    | 90.3    | 90.3    | 90.3        | 90.3    | 90.3        | 90.3        | 90.3    | 90.3      | 90.3      | 90.3      | 90.3      | 90.3      | 90.3    |
| GE 10000              | 93.3                        | 93.3    | 93.3    | 93.3    | 93.3    | 93.3        | 93.3    | 93.3        | 93.3        | 93.3    | 93.3      | 93.3      | 93.3      | 93.3      | 93.3      | 93.3    |
| GE 9000               | 93.8                        | 93.8    | 93.8    | 93.8    | 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 8000               | 94.3                        | 94.3    | 94.3    | 94.3    | 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 7000               | 95.1                        | 95.1    | 95.1    | 95.1    | 95.1    | 95.1        | 95.1    | 95.1        | 95.1        | 95.1    | 95.1      | 95.1      | 95.1      | 95.1      | 95.1      | 95.1    |
| GE 6000               | 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      | 97.1      | 97.1    |
| GE 5000               | 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      | 98.8      | 98.8      | 98.8    |
| GE 4500               | 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 4000               | 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      | 99.6      | 99.6      | 99.6    |
| GE 3500               | 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      | 99.6      | 99.6      | 99.6    |
| GE 3000               | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 2500               | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 2000               | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 1800               | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 1500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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 000                | 100.0                       | 100.0   | 100.0   | 100.0   | 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 897

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: APR HOURS: ALL

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 81.6                        | 81.6    | 81.6    | 81.6    | 81.6    | 81.6        | 81.6    | 81.6        | 81.6        | 81.6    | 81.6      | 81.6      | 81.6      | 81.6      | 81.6      | 81.6    |
| GE 20000              | 87.5                        | 87.5    | 87.5    | 87.5    | 87.5    | 87.5        | 87.5    | 87.5        | 87.5        | 87.5    | 87.5      | 87.5      | 87.5      | 87.5      | 87.5      | 87.5    |
| GE 18000              | 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      | 87.8      | 87.8      | 87.8    |
| GE 16000              | 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      | 87.9      | 87.9      | 87.9    |
| GE 14000              | 88.6                        | 88.6    | 88.6    | 88.6    | 88.6    | 88.6        | 88.6    | 88.6        | 88.6        | 88.6    | 88.6      | 88.6      | 88.6      | 88.6      | 88.6      | 88.6    |
| GE 12000              | 90.7                        | 90.7    | 90.7    | 90.7    | 90.7    | 90.7        | 90.7    | 90.7        | 90.7        | 90.7    | 90.7      | 90.7      | 90.7      | 90.7      | 90.7      | 90.7    |
| GE 10000              | 93.0                        | 93.0    | 93.0    | 93.0    | 93.0    | 93.0        | 93.0    | 93.0        | 93.0        | 93.0    | 93.0      | 93.0      | 93.0      | 93.0      | 93.0      | 93.0    |
| GE 9000               | 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      | 93.4      | 93.4      | 93.4    |
| GE 8000               | 94.3                        | 94.3    | 94.3    | 94.3    | 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 7000               | 95.4                        | 95.4    | 95.4    | 95.4    | 95.4    | 95.4        | 95.4    | 95.4        | 95.4        | 95.4    | 95.4      | 95.4      | 95.4      | 95.4      | 95.4      | 95.4    |
| GE 6000               | 97.2                        | 97.2    | 97.2    | 97.2    | 97.2    | 97.2        | 97.2    | 97.2        | 97.2        | 97.2    | 97.2      | 97.2      | 97.2      | 97.2      | 97.2      | 97.2    |
| GE 5000               | 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      | 98.7      | 98.7    |
| GE 4500               | 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 4000               | 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 3500               | 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      | 99.5      | 99.5    |
| GE 3000               | 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 2500               | 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 2000               | 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 1800               | 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 1500               | 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     | 100.0     | 100.0   |
| GE 1200               | 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     | 100.0     | 100.0   |
| GE 1000               | 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     | 100.0     | 100.0   |
| GE 900                | 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     | 100.0     | 100.0   |
| GE 800                | 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     | 100.0     | 100.0   |
| GE 700                | 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     | 100.0     | 100.0   |
| GE 600                | 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     | 100.0     | 100.0   |
| GE 500                | 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     | 100.0     | 100.0   |
| GE 400                | 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     | 100.0     | 100.0   |
| GE 300                | 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     | 100.0     | 100.0   |
| GE 200                | 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     | 100.0     | 100.0   |
| GE 100                | 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     | 100.0     | 100.0   |
| GE 000                | 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     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 7193



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAY HOURS: 00-02

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 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      | 87.6      | 87.6    |
| GE 20000              | 92.8                        | 92.8    | 92.8    | 92.8    | 92.8    | 92.8        | 92.8    | 92.8        | 92.8        | 92.8    | 92.8      | 92.8      | 92.8      | 92.8      | 92.8      | 92.8    |
| GE 18000              | 92.8                        | 92.8    | 92.8    | 92.8    | 92.8    | 92.8        | 92.8    | 92.8        | 92.8        | 92.8    | 92.8      | 92.8      | 92.8      | 92.8      | 92.8      | 92.8    |
| GE 16000              | 92.8                        | 92.8    | 92.8    | 92.8    | 92.8    | 92.8        | 92.8    | 92.8        | 92.8        | 92.8    | 92.8      | 92.8      | 92.8      | 92.8      | 92.8      | 92.8    |
| GE 14000              | 93.7                        | 93.7    | 93.7    | 93.7    | 93.7    | 93.7        | 93.7    | 93.7        | 93.7        | 93.7    | 93.7      | 93.7      | 93.7      | 93.7      | 93.7      | 93.7    |
| GE 12000              | 95.2                        | 95.2    | 95.2    | 95.2    | 95.2    | 95.2        | 95.2    | 95.2        | 95.2        | 95.2    | 95.2      | 95.2      | 95.2      | 95.2      | 95.2      | 95.2    |
| GE 10000              | 96.6                        | 96.6    | 96.6    | 96.6    | 96.6    | 96.6        | 96.6    | 96.6        | 96.6        | 96.6    | 96.6      | 96.6      | 96.6      | 96.6      | 96.6      | 96.6    |
| GE 9000               | 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      | 96.8      | 96.8    |
| GE 8000               | 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 7000               | 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 6000               | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 5000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 4500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 4000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 3500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 3000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 2500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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 000                | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAY HOURS: 03-05

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 91.3                        | 91.3    | 91.3    | 91.3    | 91.3    | 91.3        | 91.3    | 91.3        | 91.3        | 91.3    | 91.3      | 91.3      | 91.3      | 91.3      | 91.3      | 91.3    |
| GE 20000              | 95.1                        | 95.1    | 95.1    | 95.1    | 95.1    | 95.1        | 95.1    | 95.1        | 95.1        | 95.1    | 95.1      | 95.1      | 95.1      | 95.1      | 95.1      | 95.1    |
| GE 18000              | 95.1                        | 95.1    | 95.1    | 95.1    | 95.1    | 95.1        | 95.1    | 95.1        | 95.1        | 95.1    | 95.1      | 95.1      | 95.1      | 95.1      | 95.1      | 95.1    |
| GE 16000              | 95.1                        | 95.1    | 95.1    | 95.1    | 95.1    | 95.1        | 95.1    | 95.1        | 95.1        | 95.1    | 95.1      | 95.1      | 95.1      | 95.1      | 95.1      | 95.1    |
| GE 14000              | 95.9                        | 95.9    | 95.9    | 95.9    | 95.9    | 95.9        | 95.9    | 95.9        | 95.9        | 95.9    | 95.9      | 95.9      | 95.9      | 95.9      | 95.9      | 95.9    |
| GE 12000              | 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      | 96.7      | 96.7    |
| GE 10000              | 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      | 97.1      | 97.1    |
| GE 9000               | 97.2                        | 97.2    | 97.2    | 97.2    | 97.2    | 97.2        | 97.2    | 97.2        | 97.2        | 97.2    | 97.2      | 97.2      | 97.2      | 97.2      | 97.2      | 97.2    |
| GE 8000               | 97.7                        | 97.7    | 97.7    | 97.7    | 97.7    | 97.7        | 97.7    | 97.7        | 97.7        | 97.7    | 97.7      | 97.7      | 97.7      | 97.7      | 97.7      | 97.7    |
| GE 7000               | 98.6                        | 98.6    | 98.6    | 98.6    | 98.6    | 98.6        | 98.6    | 98.6        | 98.6        | 98.6    | 98.6      | 98.6      | 98.6      | 98.6      | 98.6      | 98.6    |
| GE 6000               | 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      | 99.6      | 99.6      | 99.6    |
| GE 5000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 4500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 4000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 3500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 3000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 2500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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 000                | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAY HOURS: 06-08

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 89.9                        | 89.9    | 89.9    | 89.9    | 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 20000              | 95.4                        | 95.4    | 95.4    | 95.4    | 95.4    | 95.4        | 95.4    | 95.4        | 95.4        | 95.4    | 95.4      | 95.4      | 95.4      | 95.4      | 95.4      | 95.4    |
| GE 18000              | 95.4                        | 95.4    | 95.4    | 95.4    | 95.4    | 95.4        | 95.4    | 95.4        | 95.4        | 95.4    | 95.4      | 95.4      | 95.4      | 95.4      | 95.4      | 95.4    |
| GE 16000              | 95.7                        | 95.7    | 95.7    | 95.7    | 95.7    | 95.7        | 95.7    | 95.7        | 95.7        | 95.7    | 95.7      | 95.7      | 95.7      | 95.7      | 95.7      | 95.7    |
| GE 14000              | 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      | 96.7      | 96.7    |
| GE 12000              | 97.7                        | 97.7    | 97.7    | 97.7    | 97.7    | 97.7        | 97.7    | 97.7        | 97.7        | 97.7    | 97.7      | 97.7      | 97.7      | 97.7      | 97.7      | 97.7    |
| GE 10000              | 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 9000               | 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 8000               | 99.4                        | 99.4    | 99.4    | 99.4    | 99.4    | 99.4        | 99.4    | 99.4        | 99.4        | 99.4    | 99.4      | 99.4      | 99.4      | 99.4      | 99.4      | 99.4    |
| GE 7000               | 99.4                        | 99.4    | 99.4    | 99.4    | 99.4    | 99.4        | 99.4    | 99.4        | 99.4        | 99.4    | 99.4      | 99.4      | 99.4      | 99.4      | 99.4      | 99.4    |
| GE 6000               | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 5000               | 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 4500               | 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 4000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 3500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 3000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 2500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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 000                | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAY HOURS: 09-11

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 90.0                        | 90.0    | 90.0    | 90.0    | 90.0    | 90.0        | 90.0    | 90.0        | 90.0        | 90.0    | 90.0      | 90.0      | 90.0      | 90.0      | 90.0      | 90.0    |
| GE 20000              | 95.1                        | 95.1    | 95.1    | 95.1    | 95.1    | 95.1        | 95.1    | 95.1        | 95.1        | 95.1    | 95.1      | 95.1      | 95.1      | 95.1      | 95.1      | 95.1    |
| GE 18000              | 95.2                        | 95.2    | 95.2    | 95.2    | 95.2    | 95.2        | 95.2    | 95.2        | 95.2        | 95.2    | 95.2      | 95.2      | 95.2      | 95.2      | 95.2      | 95.2    |
| GE 16000              | 95.4                        | 95.4    | 95.4    | 95.4    | 95.4    | 95.4        | 95.4    | 95.4        | 95.4        | 95.4    | 95.4      | 95.4      | 95.4      | 95.4      | 95.4      | 95.4    |
| GE 14000              | 95.5                        | 95.5    | 95.5    | 95.5    | 95.5    | 95.5        | 95.5    | 95.5        | 95.5        | 95.5    | 95.5      | 95.5      | 95.5      | 95.5      | 95.5      | 95.5    |
| GE 12000              | 97.2                        | 97.2    | 97.2    | 97.2    | 97.2    | 97.2        | 97.2    | 97.2        | 97.2        | 97.2    | 97.2      | 97.2      | 97.2      | 97.2      | 97.2      | 97.2    |
| GE 10000              | 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 9000               | 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 8000               | 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      | 99.0    |
| GE 7000               | 99.4                        | 99.4    | 99.4    | 99.4    | 99.4    | 99.4        | 99.4    | 99.4        | 99.4        | 99.4    | 99.4      | 99.4      | 99.4      | 99.4      | 99.4      | 99.4    |
| GE 6000               | 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      | 99.6      | 99.6      | 99.6    |
| GE 5000               | 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      | 99.8      | 99.8    |
| GE 4500               | 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      | 99.8      | 99.8    |
| GE 4000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 3500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 3000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 2500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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 000                | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAY HOURS: 12-14

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 84.5                        | 84.5    | 84.5    | 84.5    | 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 20000              | 91.1                        | 91.1    | 91.1    | 91.1    | 91.1    | 91.1        | 91.1    | 91.1        | 91.1        | 91.1    | 91.1      | 91.1      | 91.1      | 91.1      | 91.1      | 91.1    |
| GE 18000              | 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      | 91.4      | 91.4      | 91.4    |
| GE 16000              | 91.7                        | 91.7    | 91.7    | 91.7    | 91.7    | 91.7        | 91.7    | 91.7        | 91.7        | 91.7    | 91.7      | 91.7      | 91.7      | 91.7      | 91.7      | 91.7    |
| GE 14000              | 92.2                        | 92.2    | 92.2    | 92.2    | 92.2    | 92.2        | 92.2    | 92.2        | 92.2        | 92.2    | 92.2      | 92.2      | 92.2      | 92.2      | 92.2      | 92.2    |
| GE 12000              | 93.5                        | 93.5    | 93.5    | 93.5    | 93.5    | 93.5        | 93.5    | 93.5        | 93.5        | 93.5    | 93.5      | 93.5      | 93.5      | 93.5      | 93.5      | 93.5    |
| GE 10000              | 94.4                        | 94.4    | 94.4    | 94.4    | 94.4    | 94.4        | 94.4    | 94.4        | 94.4        | 94.4    | 94.4      | 94.4      | 94.4      | 94.4      | 94.4      | 94.4    |
| GE 9000               | 94.5                        | 94.5    | 94.5    | 94.5    | 94.5    | 94.5        | 94.5    | 94.5        | 94.5        | 94.5    | 94.5      | 94.5      | 94.5      | 94.5      | 94.5      | 94.5    |
| GE 8000               | 95.5                        | 95.5    | 95.5    | 95.5    | 95.5    | 95.5        | 95.5    | 95.5        | 95.5        | 95.5    | 95.5      | 95.5      | 95.5      | 95.5      | 95.5      | 95.5    |
| GE 7000               | 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 6000               | 99.6                        | 99.6    | 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      | 99.7    |
| GE 5000               | 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      | 99.9      | 99.9    |
| GE 4500               | 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      | 99.9      | 99.9    |
| GE 4000               | 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     | 100.0     | 100.0     | 100.0   |
| GE 3500               | 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     | 100.0     | 100.0     | 100.0   |
| GE 3000               | 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     | 100.0     | 100.0     | 100.0   |
| GE 2500               | 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     | 100.0     | 100.0     | 100.0   |
| GE 2000               | 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     | 100.0     | 100.0     | 100.0   |
| GE 1800               | 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     | 100.0     | 100.0     | 100.0   |
| GE 1500               | 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     | 100.0     | 100.0     | 100.0   |
| GE 1200               | 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     | 100.0     | 100.0     | 100.0   |
| GE 1000               | 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     | 100.0     | 100.0     | 100.0   |
| GE 900                | 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     | 100.0     | 100.0     | 100.0   |
| GE 800                | 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     | 100.0     | 100.0     | 100.0   |
| GE 700                | 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     | 100.0     | 100.0     | 100.0   |
| GE 600                | 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     | 100.0     | 100.0     | 100.0   |
| GE 500                | 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     | 100.0     | 100.0     | 100.0   |
| GE 400                | 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     | 100.0     | 100.0     | 100.0   |
| GE 300                | 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     | 100.0     | 100.0     | 100.0   |
| GE 200                | 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     | 100.0     | 100.0     | 100.0   |
| GE 100                | 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     | 100.0     | 100.0     | 100.0   |
| GE 000                | 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     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO LIC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAY HOURS: 15-17

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 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      | 77.7      | 77.7      | 77.7    |
| GE 20000              | 86.2                        | 86.2    | 86.2    | 86.2    | 86.2    | 86.2        | 86.2    | 86.2        | 86.2        | 86.2    | 86.2      | 86.2      | 86.2      | 86.2      | 86.2      | 86.2    |
| GE 18000              | 86.6                        | 86.6    | 86.6    | 86.6    | 86.6    | 86.6        | 86.6    | 86.6        | 86.6        | 86.6    | 86.6      | 86.6      | 86.6      | 86.6      | 86.6      | 86.6    |
| GE 16000              | 86.6                        | 86.6    | 86.6    | 86.6    | 86.6    | 86.6        | 86.6    | 86.6        | 86.6        | 86.6    | 86.6      | 86.6      | 86.6      | 86.6      | 86.6      | 86.6    |
| GE 14000              | 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      | 87.0      | 87.0      | 87.0    |
| GE 12000              | 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      | 88.8    |
| GE 10000              | 90.3                        | 90.3    | 90.3    | 90.3    | 90.3    | 90.3        | 90.3    | 90.3        | 90.3        | 90.3    | 90.3      | 90.3      | 90.3      | 90.3      | 90.3      | 90.3    |
| GE 9000               | 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      | 90.4      | 90.4    |
| GE 8000               | 91.7                        | 91.7    | 91.7    | 91.7    | 91.7    | 91.7        | 91.7    | 91.7        | 91.7        | 91.7    | 91.7      | 91.7      | 91.7      | 91.7      | 91.7      | 91.7    |
| GE 7000               | 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 6000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 5000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 4500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 4000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 3500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 3000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 2500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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 000                | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAY HOURS: 18-20

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 80.8                        | 80.8    | 80.8    | 80.8    | 80.8    | 80.8        | 80.8    | 80.8        | 80.8        | 80.8    | 80.8      | 80.8      | 80.8      | 80.8      | 80.8      | 80.8    |
| GE 20000              | 88.5                        | 88.5    | 88.5    | 88.5    | 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 18000              | 88.9                        | 88.9    | 88.9    | 88.9    | 88.9    | 88.9        | 88.9    | 88.9        | 88.9        | 88.9    | 88.9      | 88.9      | 88.9      | 88.9      | 88.9      | 88.9    |
| GE 16000              | 88.9                        | 88.9    | 88.9    | 88.9    | 88.9    | 88.9        | 88.9    | 88.9        | 88.9        | 88.9    | 88.9      | 88.9      | 88.9      | 88.9      | 88.9      | 88.9    |
| GE 14000              | 90.2                        | 90.2    | 90.2    | 90.2    | 90.2    | 90.2        | 90.2    | 90.2        | 90.2        | 90.2    | 90.2      | 90.2      | 90.2      | 90.2      | 90.2      | 90.2    |
| GE 12000              | 92.9                        | 92.9    | 92.9    | 92.9    | 92.9    | 92.9        | 92.9    | 92.9        | 92.9        | 92.9    | 92.9      | 92.9      | 92.9      | 92.9      | 92.9      | 92.9    |
| GE 10000              | 93.8                        | 93.8    | 93.8    | 93.8    | 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 9000               | 93.8                        | 93.8    | 93.8    | 93.8    | 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 8000               | 94.2                        | 94.2    | 94.2    | 94.2    | 94.2    | 94.2        | 94.2    | 94.2        | 94.2        | 94.2    | 94.2      | 94.2      | 94.2      | 94.2      | 94.2      | 94.2    |
| GE 7000               | 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 6000               | 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 5000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 4500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 4000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 3500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 3000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 2500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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 000                | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAY HOURS: 21-23

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 85.6                        | 85.6    | 85.6    | 85.6    | 85.6    | 85.6        | 85.6    | 85.6        | 85.6        | 85.6    | 85.6      | 85.6      | 85.6      | 85.6      | 85.6      | 85.6    |
| GE 20000              | 90.3                        | 90.3    | 90.3    | 90.3    | 90.3    | 90.3        | 90.3    | 90.3        | 90.3        | 90.3    | 90.3      | 90.3      | 90.3      | 90.3      | 90.3      | 90.3    |
| GE 18000              | 90.3                        | 90.3    | 90.3    | 90.3    | 90.3    | 90.3        | 90.3    | 90.3        | 90.3        | 90.3    | 90.3      | 90.3      | 90.3      | 90.3      | 90.3      | 90.3    |
| GE 16000              | 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      | 90.4      | 90.4    |
| GE 14000              | 91.8                        | 91.8    | 91.8    | 91.8    | 91.8    | 91.8        | 91.8    | 91.8        | 91.8        | 91.8    | 91.8      | 91.8      | 91.8      | 91.8      | 91.8      | 91.8    |
| GE 12000              | 93.9                        | 93.9    | 93.9    | 93.9    | 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 10000              | 95.2                        | 95.2    | 95.2    | 95.2    | 95.2    | 95.2        | 95.2    | 95.2        | 95.2        | 95.2    | 95.2      | 95.2      | 95.2      | 95.2      | 95.2      | 95.2    |
| GE 9000               | 95.2                        | 95.2    | 95.2    | 95.2    | 95.2    | 95.2        | 95.2    | 95.2        | 95.2        | 95.2    | 95.2      | 95.2      | 95.2      | 95.2      | 95.2      | 95.2    |
| GE 8000               | 95.7                        | 95.7    | 95.7    | 95.7    | 95.7    | 95.7        | 95.7    | 95.7        | 95.7        | 95.7    | 95.7      | 95.7      | 95.7      | 95.7      | 95.7      | 95.7    |
| GE 7000               | 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      | 98.7      | 98.7    |
| GE 6000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 5000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 4500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 4000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 3500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 3000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 2500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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 000                | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAY HOURS: ALL

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 85.9                        | 85.9    | 85.9    | 85.9    | 85.9    | 85.9        | 85.9    | 85.9        | 85.9        | 85.9    | 85.9      | 85.9      | 85.9      | 85.9      | 85.9      | 85.9    |
| GE 20000              | 91.8                        | 91.8    | 91.8    | 91.8    | 91.8    | 91.8        | 91.8    | 91.8        | 91.8        | 91.8    | 91.8      | 91.8      | 91.8      | 91.8      | 91.8      | 91.8    |
| GE 18000              | 91.9                        | 91.9    | 91.9    | 91.9    | 91.9    | 91.9        | 91.9    | 91.9        | 91.9        | 91.9    | 91.9      | 91.9      | 91.9      | 91.9      | 91.9      | 91.9    |
| GE 16000              | 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      | 92.1      | 92.1      | 92.1    |
| GE 14000              | 92.9                        | 92.9    | 92.9    | 92.9    | 92.9    | 92.9        | 92.9    | 92.9        | 92.9        | 92.9    | 92.9      | 92.9      | 92.9      | 92.9      | 92.9      | 92.9    |
| GE 12000              | 94.5                        | 94.5    | 94.5    | 94.5    | 94.5    | 94.5        | 94.5    | 94.5        | 94.5        | 94.5    | 94.5      | 94.5      | 94.5      | 94.5      | 94.5      | 94.5    |
| GE 10000              | 95.6                        | 95.6    | 95.6    | 95.6    | 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 9000               | 95.7                        | 95.7    | 95.7    | 95.7    | 95.7    | 95.7        | 95.7    | 95.7        | 95.7        | 95.7    | 95.7      | 95.7      | 95.7      | 95.7      | 95.7      | 95.7    |
| GE 8000               | 96.4                        | 96.4    | 96.4    | 96.4    | 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 7000               | 98.6                        | 98.6    | 98.6    | 98.6    | 98.6    | 98.6        | 98.6    | 98.6        | 98.6        | 98.6    | 98.6      | 98.6      | 98.6      | 98.6      | 98.6      | 98.6    |
| GE 6000               | 99.7                        | 99.7    | 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      | 99.8    |
| GE 5000               | 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 4500               | 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 4000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 3500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 3000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 2500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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 000                | 100.0                       | 100.0   | 100.0   | 100.0   | 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 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUN HOURS: 00-02

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 90.8                        | 90.9    | 90.9    | 90.9    | 90.9    | 90.9        | 90.9    | 90.9        | 90.9        | 90.9    | 90.9      | 90.9      | 90.9      | 90.9      | 90.9      | 90.9    |
| GE 20000              | 93.9                        | 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      | 94.0    |
| GE 18000              | 93.9                        | 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      | 94.0    |
| GE 16000              | 93.9                        | 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      | 94.0    |
| GE 14000              | 94.1                        | 94.2    | 94.2    | 94.2    | 94.2    | 94.2        | 94.2    | 94.2        | 94.2        | 94.2    | 94.2      | 94.2      | 94.2      | 94.2      | 94.2      | 94.2    |
| GE 12000              | 96.7                        | 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      | 96.8    |
| GE 10000              | 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      | 97.4      | 97.4    |
| GE 9000               | 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      | 97.6      | 97.6      | 97.6    |
| GE 8000               | 97.7                        | 97.8    | 97.8    | 97.8    | 97.8    | 97.8        | 97.8    | 97.8        | 97.8        | 97.8    | 97.8      | 97.8      | 97.8      | 97.8      | 97.8      | 97.8    |
| GE 7000               | 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      | 99.4      | 99.4    |
| GE 6000               | 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     | 100.0     | 100.0   |
| GE 5000               | 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     | 100.0     | 100.0   |
| GE 4500               | 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     | 100.0     | 100.0   |
| GE 4000               | 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     | 100.0     | 100.0   |
| GE 3500               | 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     | 100.0     | 100.0   |
| GE 3000               | 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     | 100.0     | 100.0   |
| GE 2500               | 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     | 100.0     | 100.0   |
| GE 2000               | 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     | 100.0     | 100.0   |
| GE 1800               | 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     | 100.0     | 100.0   |
| GE 1500               | 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     | 100.0     | 100.0   |
| GE 1200               | 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     | 100.0     | 100.0   |
| GE 1000               | 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     | 100.0     | 100.0   |
| GE 900                | 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     | 100.0     | 100.0   |
| GE 800                | 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     | 100.0     | 100.0   |
| GE 700                | 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     | 100.0     | 100.0   |
| GE 600                | 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     | 100.0     | 100.0   |
| GE 500                | 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     | 100.0     | 100.0   |
| GE 400                | 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     | 100.0     | 100.0   |
| GE 300                | 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     | 100.0     | 100.0   |
| GE 200                | 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     | 100.0     | 100.0   |
| GE 100                | 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     | 100.0     | 100.0   |
| GE 000                | 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     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
ST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUN HOURS: 03-05

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 90.9                        | 90.9    | 90.9    | 90.9    | 90.9    | 90.9        | 90.9    | 90.9        | 90.9        | 90.9    | 90.9      | 90.9      | 90.9      | 90.9      | 90.9      | 90.9    |
| GE 20000              | 93.6                        | 93.6    | 93.6    | 93.6    | 93.6    | 93.6        | 93.6    | 93.6        | 93.6        | 93.6    | 93.6      | 93.6      | 93.6      | 93.6      | 93.6      | 93.6    |
| GE 18000              | 93.7                        | 93.7    | 93.7    | 93.7    | 93.7    | 93.7        | 93.7    | 93.7        | 93.7        | 93.7    | 93.7      | 93.7      | 93.7      | 93.7      | 93.7      | 93.7    |
| GE 16000              | 93.7                        | 93.7    | 93.7    | 93.7    | 93.7    | 93.7        | 93.7    | 93.7        | 93.7        | 93.7    | 93.7      | 93.7      | 93.7      | 93.7      | 93.7      | 93.7    |
| GE 14000              | 94.1                        | 94.1    | 94.1    | 94.1    | 94.1    | 94.1        | 94.1    | 94.1        | 94.1        | 94.1    | 94.1      | 94.1      | 94.1      | 94.1      | 94.1      | 94.1    |
| GE 12000              | 96.2                        | 96.2    | 96.2    | 96.2    | 96.2    | 96.2        | 96.2    | 96.2        | 96.2        | 96.2    | 96.2      | 96.2      | 96.2      | 96.2      | 96.2      | 96.2    |
| GE 10000              | 97.4                        | 97.4    | 97.4    | 97.4    | 97.4    | 97.4        | 97.4    | 97.4        | 97.4        | 97.4    | 97.4      | 97.4      | 97.4      | 97.4      | 97.4      | 97.4    |
| GE 9000               | 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      | 97.9      | 97.9      | 97.9    |
| GE 8000               | 98.4                        | 98.4    | 98.4    | 98.4    | 98.4    | 98.4        | 98.4    | 98.4        | 98.4        | 98.4    | 98.4      | 98.4      | 98.4      | 98.4      | 98.4      | 98.4    |
| GE 7000               | 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 6000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 5000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 4500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 4000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 3500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 3000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 2500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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 000                | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUN HOURS: 06-08

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 90.2                        | 90.2    | 90.2    | 90.2    | 90.2    | 90.2        | 90.2    | 90.2        | 90.2        | 90.2    | 90.2      | 90.2      | 90.2      | 90.2      | 90.2      | 90.2    |
| GE 20000              | 92.7                        | 92.7    | 92.7    | 92.7    | 92.7    | 92.7        | 92.7    | 92.7        | 92.7        | 92.7    | 92.7      | 92.7      | 92.7      | 92.7      | 92.7      | 92.7    |
| GE 18000              | 92.8                        | 92.8    | 92.8    | 92.8    | 92.8    | 92.8        | 92.8    | 92.8        | 92.8        | 92.8    | 92.8      | 92.8      | 92.8      | 92.8      | 92.8      | 92.8    |
| GE 16000              | 92.8                        | 92.8    | 92.8    | 92.8    | 92.8    | 92.8        | 92.8    | 92.8        | 92.8        | 92.8    | 92.8      | 92.8      | 92.8      | 92.8      | 92.8      | 92.8    |
| GE 14000              | 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      | 93.4      | 93.4      | 93.4    |
| GE 12000              | 95.9                        | 95.9    | 95.9    | 95.9    | 95.9    | 95.9        | 95.9    | 95.9        | 95.9        | 95.9    | 95.9      | 95.9      | 95.9      | 95.9      | 95.9      | 95.9    |
| GE 10000              | 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 9000               | 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      | 98.3    |
| GE 8000               | 98.6                        | 98.6    | 98.6    | 98.6    | 98.6    | 98.6        | 98.6    | 98.6        | 98.6        | 98.6    | 98.6      | 98.6      | 98.6      | 98.6      | 98.6      | 98.6    |
| GE 7000               | 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      | 99.6      | 99.6      | 99.6    |
| GE 6000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 5000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 4500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 4000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 3500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 3000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 2500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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 000                | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUN HOURS: 09-11

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 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      | 91.4      | 91.4      | 91.4    |
| GE 20000              | 94.2                        | 94.2    | 94.2    | 94.2    | 94.2    | 94.2        | 94.2    | 94.2        | 94.2        | 94.2    | 94.2      | 94.2      | 94.2      | 94.2      | 94.2      | 94.2    |
| GE 18000              | 94.2                        | 94.2    | 94.2    | 94.2    | 94.2    | 94.2        | 94.2    | 94.2        | 94.2        | 94.2    | 94.2      | 94.2      | 94.2      | 94.2      | 94.2      | 94.2    |
| GE 16000              | 94.2                        | 94.2    | 94.2    | 94.2    | 94.2    | 94.2        | 94.2    | 94.2        | 94.2        | 94.2    | 94.2      | 94.2      | 94.2      | 94.2      | 94.2      | 94.2    |
| GE 14000              | 94.9                        | 94.9    | 94.9    | 94.9    | 94.9    | 94.9        | 94.9    | 94.9        | 94.9        | 94.9    | 94.9      | 94.9      | 94.9      | 94.9      | 94.9      | 94.9    |
| GE 12000              | 97.8                        | 97.8    | 97.8    | 97.8    | 97.8    | 97.8        | 97.8    | 97.8        | 97.8        | 97.8    | 97.8      | 97.8      | 97.8      | 97.8      | 97.8      | 97.8    |
| GE 10000              | 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      | 98.7      | 98.7    |
| GE 9000               | 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      | 98.7      | 98.7    |
| GE 8000               | 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      | 98.8      | 98.8      | 98.8    |
| GE 7000               | 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      | 99.6      | 99.6      | 99.6    |
| GE 6000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 5000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 4500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 4000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 3500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 3000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 2500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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 000                | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUN HOURS: 12-14

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 86.9                        | 86.9    | 86.9    | 86.9    | 86.9    | 86.9        | 86.9    | 86.9        | 86.9        | 86.9    | 86.9      | 86.9      | 86.9      | 86.9      | 86.9      | 86.9    |
| GE 20000              | 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      | 93.4      | 93.4      | 93.4    |
| GE 18000              | 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      | 93.4      | 93.4      | 93.4    |
| GE 16000              | 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      | 93.4      | 93.4      | 93.4    |
| GE 14000              | 93.6                        | 93.6    | 93.6    | 93.6    | 93.6    | 93.6        | 93.6    | 93.6        | 93.6        | 93.6    | 93.6      | 93.6      | 93.6      | 93.6      | 93.6      | 93.6    |
| GE 12000              | 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      | 97.3      | 97.3    |
| GE 10000              | 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      | 98.0      | 98.0    |
| GE 9000               | 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      | 98.0      | 98.0    |
| GE 8000               | 98.6                        | 98.6    | 98.6    | 98.6    | 98.6    | 98.6        | 98.6    | 98.6        | 98.6        | 98.6    | 98.6      | 98.6      | 98.6      | 98.6      | 98.6      | 98.6    |
| GE 7000               | 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 6000               | 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      | 99.8      | 99.8    |
| GE 5000               | 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 4500               | 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 4000               | 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 3500               | 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 3000               | 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     | 100.0     | 100.0   |
| GE 2500               | 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     | 100.0     | 100.0   |
| GE 2000               | 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     | 100.0     | 100.0   |
| GE 1800               | 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     | 100.0     | 100.0   |
| GE 1500               | 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     | 100.0     | 100.0   |
| GE 1200               | 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     | 100.0     | 100.0   |
| GE 1000               | 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     | 100.0     | 100.0   |
| GE 900                | 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     | 100.0     | 100.0   |
| GE 800                | 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     | 100.0     | 100.0   |
| GE 700                | 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     | 100.0     | 100.0   |
| GE 600                | 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     | 100.0     | 100.0   |
| GE 500                | 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     | 100.0     | 100.0   |
| GE 400                | 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     | 100.0     | 100.0   |
| GE 300                | 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     | 100.0     | 100.0   |
| GE 200                | 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     | 100.0     | 100.0   |
| GE 100                | 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     | 100.0     | 100.0   |
| GE 000                | 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     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUN HOURS: 15-17

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 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 20000              | 87.2                        | 87.2    | 87.2    | 87.2    | 87.2    | 87.2        | 87.2    | 87.2        | 87.2        | 87.2    | 87.2      | 87.2      | 87.2      | 87.2      | 87.2      | 87.2    |
| GE 18000              | 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      | 87.3      | 87.3      | 87.3    |
| GE 16000              | 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      | 87.3      | 87.3      | 87.3    |
| GE 14000              | 88.2                        | 88.2    | 88.2    | 88.2    | 88.2    | 88.2        | 88.2    | 88.2        | 88.2        | 88.2    | 88.2      | 88.2      | 88.2      | 88.2      | 88.2      | 88.2    |
| GE 12000              | 92.8                        | 92.8    | 92.8    | 92.8    | 92.8    | 92.8        | 92.8    | 92.8        | 92.8        | 92.8    | 92.8      | 92.8      | 92.8      | 92.8      | 92.8      | 92.8    |
| GE 10000              | 94.3                        | 94.3    | 94.3    | 94.3    | 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 9000               | 95.0                        | 95.0    | 95.0    | 95.0    | 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 8000               | 96.9                        | 96.9    | 96.9    | 96.9    | 96.9    | 96.9        | 96.9    | 96.9        | 96.9        | 96.9    | 96.9      | 96.9      | 96.9      | 96.9      | 96.9      | 96.9    |
| GE 7000               | 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      | 99.1    |
| GE 6000               | 99.7                        | 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      | 99.8      | 99.8    |
| GE 5000               | 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     | 100.0     | 100.0     | 100.0   |
| GE 4500               | 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     | 100.0     | 100.0     | 100.0   |
| GE 4000               | 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     | 100.0     | 100.0     | 100.0   |
| GE 3500               | 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     | 100.0     | 100.0     | 100.0   |
| GE 3000               | 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     | 100.0     | 100.0     | 100.0   |
| GE 2500               | 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     | 100.0     | 100.0     | 100.0   |
| GE 2000               | 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     | 100.0     | 100.0     | 100.0   |
| GE 1800               | 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     | 100.0     | 100.0     | 100.0   |
| GE 1500               | 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     | 100.0     | 100.0     | 100.0   |
| GE 1200               | 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     | 100.0     | 100.0     | 100.0   |
| GE 1000               | 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     | 100.0     | 100.0     | 100.0   |
| GE 900                | 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     | 100.0     | 100.0     | 100.0   |
| GE 800                | 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     | 100.0     | 100.0     | 100.0   |
| GE 700                | 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     | 100.0     | 100.0     | 100.0   |
| GE 600                | 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     | 100.0     | 100.0     | 100.0   |
| GE 500                | 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     | 100.0     | 100.0     | 100.0   |
| GE 400                | 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     | 100.0     | 100.0     | 100.0   |
| GE 300                | 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     | 100.0     | 100.0     | 100.0   |
| GE 200                | 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     | 100.0     | 100.0     | 100.0   |
| GE 100                | 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     | 100.0     | 100.0     | 100.0   |
| GE 000                | 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     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUN HOURS: 18-20

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 77.9                        | 77.9    | 77.9    | 77.9    | 77.9    | 77.9        | 77.9    | 77.9        | 77.9        | 77.9    | 77.9      | 77.9      | 77.9      | 77.9      | 77.9      | 77.9    |
| GE 20000              | 84.7                        | 84.7    | 84.7    | 84.7    | 84.7    | 84.7        | 84.7    | 84.7        | 84.7        | 84.7    | 84.7      | 84.7      | 84.7      | 84.7      | 84.7      | 84.7    |
| GE 18000              | 85.0                        | 85.0    | 85.0    | 85.0    | 85.0    | 85.0        | 85.0    | 85.0        | 85.0        | 85.0    | 85.0      | 85.0      | 85.0      | 85.0      | 85.0      | 85.0    |
| GE 16000              | 85.0                        | 85.0    | 85.0    | 85.0    | 85.0    | 85.0        | 85.0    | 85.0        | 85.0        | 85.0    | 85.0      | 85.0      | 85.0      | 85.0      | 85.0      | 85.0    |
| GE 14000              | 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      | 86.1      | 86.1      | 86.1    |
| GE 12000              | 91.2                        | 91.2    | 91.2    | 91.2    | 91.2    | 91.2        | 91.2    | 91.2        | 91.2        | 91.2    | 91.2      | 91.2      | 91.2      | 91.2      | 91.2      | 91.2    |
| GE 10000              | 93.7                        | 93.7    | 93.7    | 93.7    | 93.7    | 93.7        | 93.7    | 93.7        | 93.7        | 93.7    | 93.7      | 93.7      | 93.7      | 93.7      | 93.7      | 93.7    |
| GE 9000               | 94.2                        | 94.2    | 94.2    | 94.2    | 94.2    | 94.2        | 94.2    | 94.2        | 94.2        | 94.2    | 94.2      | 94.2      | 94.2      | 94.2      | 94.2      | 94.2    |
| GE 8000               | 96.1                        | 96.1    | 96.1    | 96.1    | 96.1    | 96.1        | 96.1    | 96.1        | 96.1        | 96.1    | 96.1      | 96.1      | 96.1      | 96.1      | 96.1      | 96.1    |
| GE 7000               | 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 6000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 5000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 4500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 4000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 3500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 3000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 2500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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 000                | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 900



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUN HOURS: 21-23

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 85.1                        | 85.2    | 85.2    | 85.2    | 85.2    | 85.2        | 85.2    | 85.2        | 85.2        | 85.2    | 85.2      | 85.2      | 85.2      | 85.2      | 85.2      | 85.2    |
| GE 20000              | 89.7                        | 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      | 89.9      | 89.9    |
| GE 18000              | 89.7                        | 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      | 89.9      | 89.9    |
| GE 16000              | 89.7                        | 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      | 89.9      | 89.9    |
| GE 14000              | 90.2                        | 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      | 90.4      | 90.4    |
| GE 12000              | 94.4                        | 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      | 94.7    |
| GE 10000              | 96.4                        | 96.6    | 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 9000               | 96.6                        | 96.7    | 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 8000               | 97.1                        | 97.2    | 97.3    | 97.3    | 97.3    | 97.3        | 97.3    | 97.3        | 97.3        | 97.3    | 97.3      | 97.3      | 97.3      | 97.3      | 97.3      | 97.3    |
| GE 7000               | 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      | 99.3      | 99.3      | 99.3    |
| GE 6000               | 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     | 100.0   |
| GE 5000               | 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     | 100.0   |
| GE 4500               | 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     | 100.0   |
| GE 4000               | 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     | 100.0   |
| GE 3500               | 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     | 100.0   |
| GE 3000               | 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     | 100.0   |
| GE 2500               | 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     | 100.0   |
| GE 2000               | 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     | 100.0   |
| GE 1800               | 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     | 100.0   |
| GE 1500               | 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     | 100.0   |
| GE 1200               | 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     | 100.0   |
| GE 1000               | 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     | 100.0   |
| GE 900                | 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     | 100.0   |
| GE 800                | 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     | 100.0   |
| GE 700                | 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     | 100.0   |
| GE 600                | 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     | 100.0   |
| GE 500                | 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     | 100.0   |
| GE 400                | 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     | 100.0   |
| GE 300                | 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     | 100.0   |
| GE 200                | 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     | 100.0   |
| GE 100                | 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     | 100.0   |
| GE 000                | 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     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUN HOURS: ALL

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 86.6                        | 86.6    | 86.6    | 86.6    | 86.6    | 86.6        | 86.6    | 86.6        | 86.6        | 86.6    | 86.6      | 86.6      | 86.6      | 86.6      | 86.6      | 86.6    |
| GE 20000              | 91.2                        | 91.2    | 91.2    | 91.2    | 91.2    | 91.2        | 91.2    | 91.2        | 91.2        | 91.2    | 91.2      | 91.2      | 91.2      | 91.2      | 91.2      | 91.2    |
| GE 18000              | 91.3                        | 91.3    | 91.3    | 91.3    | 91.3    | 91.3        | 91.3    | 91.3        | 91.3        | 91.3    | 91.3      | 91.3      | 91.3      | 91.3      | 91.3      | 91.3    |
| GE 16000              | 91.3                        | 91.3    | 91.3    | 91.3    | 91.3    | 91.3        | 91.3    | 91.3        | 91.3        | 91.3    | 91.3      | 91.3      | 91.3      | 91.3      | 91.3      | 91.3    |
| GE 14000              | 91.8                        | 91.9    | 91.9    | 91.9    | 91.9    | 91.9        | 91.9    | 91.9        | 91.9        | 91.9    | 91.9      | 91.9      | 91.9      | 91.9      | 91.9      | 91.9    |
| GE 12000              | 95.3                        | 95.3    | 95.3    | 95.3    | 95.3    | 95.3        | 95.3    | 95.3        | 95.3        | 95.3    | 95.3      | 95.3      | 95.3      | 95.3      | 95.3      | 95.3    |
| GE 10000              | 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      | 96.7      | 96.7    |
| GE 9000               | 97.0                        | 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      | 97.1    |
| GE 8000               | 97.8                        | 97.8    | 97.8    | 97.8    | 97.8    | 97.8        | 97.8    | 97.8        | 97.8        | 97.8    | 97.8      | 97.8      | 97.8      | 97.8      | 97.8      | 97.8    |
| GE 7000               | 99.4                        | 99.4    | 99.4    | 99.4    | 99.4    | 99.4        | 99.4    | 99.4        | 99.4        | 99.4    | 99.4      | 99.4      | 99.4      | 99.4      | 99.4      | 99.4    |
| GE 6000               | 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 5000               | 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     | 100.0     | 100.0   |
| GE 4500               | 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     | 100.0     | 100.0   |
| GE 4000               | 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     | 100.0     | 100.0   |
| GE 3500               | 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     | 100.0     | 100.0   |
| GE 3000               | 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     | 100.0     | 100.0   |
| GE 2500               | 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     | 100.0     | 100.0   |
| GE 2000               | 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     | 100.0     | 100.0   |
| GE 1800               | 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     | 100.0     | 100.0   |
| GE 1500               | 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     | 100.0     | 100.0   |
| GE 1200               | 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     | 100.0     | 100.0   |
| GE 1000               | 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     | 100.0     | 100.0   |
| GE 900                | 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     | 100.0     | 100.0   |
| GE 800                | 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     | 100.0     | 100.0   |
| GE 700                | 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     | 100.0     | 100.0   |
| GE 600                | 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     | 100.0     | 100.0   |
| GE 500                | 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     | 100.0     | 100.0   |
| GE 400                | 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     | 100.0     | 100.0   |
| GE 300                | 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     | 100.0     | 100.0   |
| GE 200                | 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     | 100.0     | 100.0   |
| GE 100                | 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     | 100.0     | 100.0   |
| GE 000                | 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     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUL HOURS: 00-02

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 58.3                        | 58.3    | 58.3    | 58.3    | 58.3    | 58.3        | 58.3    | 58.3        | 58.3        | 58.3    | 58.3      | 58.3      | 58.3      | 58.3      | 58.3      | 58.3    |
| GE 20000              | 66.3                        | 66.3    | 66.3    | 66.3    | 66.3    | 66.3        | 66.3    | 66.3        | 66.3        | 66.3    | 66.3      | 66.3      | 66.3      | 66.3      | 66.3      | 66.3    |
| GE 18000              | 66.3                        | 66.3    | 66.3    | 66.3    | 66.3    | 66.3        | 66.3    | 66.3        | 66.3        | 66.3    | 66.3      | 66.3      | 66.3      | 66.3      | 66.3      | 66.3    |
| GE 16000              | 66.3                        | 66.3    | 66.3    | 66.3    | 66.3    | 66.3        | 66.3    | 66.3        | 66.3        | 66.3    | 66.3      | 66.3      | 66.3      | 66.3      | 66.3      | 66.3    |
| GE 14000              | 67.1                        | 67.1    | 67.1    | 67.1    | 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 12000              | 79.2                        | 79.2    | 79.4    | 79.4    | 79.4    | 79.4        | 79.4    | 79.4        | 79.4        | 79.4    | 79.4      | 79.4      | 79.4      | 79.4      | 79.4      | 79.4    |
| GE 10000              | 84.7                        | 84.7    | 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      | 84.9    |
| GE 9000               | 85.6                        | 85.6    | 85.8    | 85.8    | 85.8    | 85.8        | 85.8    | 85.8        | 85.8        | 85.8    | 85.8      | 85.8      | 85.8      | 85.8      | 85.8      | 85.8    |
| GE 8000               | 87.4                        | 87.4    | 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 7000               | 94.0                        | 94.0    | 94.2    | 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 6000               | 97.7                        | 97.7    | 98.0    | 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 5000               | 98.7                        | 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      | 99.1    |
| GE 4500               | 99.4                        | 99.4    | 99.7    | 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 4000               | 99.5                        | 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      | 99.9      | 99.9    |
| GE 3500               | 99.5                        | 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      | 99.9      | 99.9    |
| GE 3000               | 99.6                        | 99.6    | 99.9    | 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 2500               | 99.6                        | 99.6    | 99.9    | 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               | 99.6                        | 99.6    | 99.9    | 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               | 99.6                        | 99.6    | 99.9    | 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               | 99.6                        | 99.6    | 99.9    | 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               | 99.6                        | 99.6    | 99.9    | 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               | 99.6                        | 99.6    | 99.9    | 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                | 99.6                        | 99.6    | 99.9    | 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                | 99.6                        | 99.6    | 99.9    | 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                | 99.6                        | 99.6    | 99.9    | 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                | 99.6                        | 99.6    | 99.9    | 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                | 99.6                        | 99.6    | 99.9    | 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                | 99.6                        | 99.6    | 99.9    | 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                | 99.6                        | 99.6    | 99.9    | 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                | 99.6                        | 99.6    | 99.9    | 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                | 99.6                        | 99.6    | 99.9    | 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 000                | 99.6                        | 99.6    | 99.9    | 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 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUL HOURS: 03-05

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 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      | 62.7      | 62.7    |
| GE 20000              | 68.6                        | 68.6    | 68.6    | 68.6    | 68.6    | 68.6        | 68.6    | 68.6        | 68.6        | 68.6    | 68.6      | 68.6      | 68.6      | 68.6      | 68.6      | 68.6    |
| GE 18000              | 68.6                        | 68.6    | 68.6    | 68.6    | 68.6    | 68.6        | 68.6    | 68.6        | 68.6        | 68.6    | 68.6      | 68.6      | 68.6      | 68.6      | 68.6      | 68.6    |
| GE 16000              | 68.6                        | 68.6    | 68.6    | 68.6    | 68.6    | 68.6        | 68.6    | 68.6        | 68.6        | 68.6    | 68.6      | 68.6      | 68.6      | 68.6      | 68.6      | 68.6    |
| GE 14000              | 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 12000              | 84.3                        | 84.3    | 84.3    | 84.3    | 84.3    | 84.3        | 84.3    | 84.3        | 84.3        | 84.3    | 84.3      | 84.3      | 84.3      | 84.3      | 84.3      | 84.3    |
| GE 10000              | 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      | 90.1      | 90.1      | 90.1    |
| GE 9000               | 91.0                        | 91.0    | 91.0    | 91.0    | 91.0    | 91.0        | 91.0    | 91.0        | 91.0        | 91.0    | 91.0      | 91.0      | 91.0      | 91.0      | 91.0      | 91.0    |
| GE 8000               | 93.1                        | 93.1    | 93.1    | 93.1    | 93.1    | 93.1        | 93.1    | 93.1        | 93.1        | 93.1    | 93.1      | 93.1      | 93.1      | 93.1      | 93.1      | 93.1    |
| GE 7000               | 97.4                        | 97.4    | 97.4    | 97.4    | 97.4    | 97.4        | 97.4    | 97.4        | 97.4        | 97.4    | 97.4      | 97.4      | 97.4      | 97.4      | 97.4      | 97.4    |
| GE 6000               | 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 5000               | 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 4500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 4000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 3500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 3000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 2500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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 000                | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO JTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUL HOURS: 06-08

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 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      | 65.3      | 65.3    |
| GE 20000              | 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      | 72.6      | 72.6      | 72.6    |
| GE 18000              | 72.7                        | 72.7    | 72.7    | 72.7    | 72.7    | 72.7        | 72.7    | 72.7        | 72.7        | 72.7    | 72.7      | 72.7      | 72.7      | 72.7      | 72.7      | 72.7    |
| GE 16000              | 72.7                        | 72.7    | 72.7    | 72.7    | 72.7    | 72.7        | 72.7    | 72.7        | 72.7        | 72.7    | 72.7      | 72.7      | 72.7      | 72.7      | 72.7      | 72.7    |
| GE 14000              | 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      | 73.9      | 73.9    |
| GE 12000              | 86.7                        | 86.7    | 86.7    | 86.7    | 86.7    | 86.7        | 86.7    | 86.7        | 86.7        | 86.7    | 86.7      | 86.7      | 86.7      | 86.7      | 86.7      | 86.7    |
| GE 10000              | 92.7                        | 92.7    | 92.7    | 92.7    | 92.7    | 92.7        | 92.7    | 92.7        | 92.7        | 92.7    | 92.7      | 92.7      | 92.7      | 92.7      | 92.7      | 92.7    |
| GE 9000               | 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      | 94.0      | 94.0    |
| GE 8000               | 95.3                        | 95.3    | 95.3    | 95.3    | 95.3    | 95.3        | 95.3    | 95.3        | 95.3        | 95.3    | 95.3      | 95.3      | 95.3      | 95.3      | 95.4      | 95.4    |
| GE 7000               | 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      | 98.0      | 98.0    |
| GE 6000               | 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      | 99.1      | 99.1    |
| GE 5000               | 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      | 99.7      | 99.7    |
| GE 4500               | 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      | 99.7      | 99.7    |
| GE 4000               | 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      | 99.7      | 99.7    |
| GE 3500               | 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      | 99.7      | 99.7    |
| GE 3000               | 99.6                        | 99.6    | 99.6    | 99.6    | 99.7    | 99.7        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.8      | 99.9      | 99.9    |
| GE 2500               | 99.7                        | 99.7    | 99.7    | 99.7    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 100.0     | 100.0   |
| GE 2000               | 99.7                        | 99.7    | 99.7    | 99.7    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 100.0     | 100.0   |
| GE 1800               | 99.7                        | 99.7    | 99.7    | 99.7    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 100.0     | 100.0   |
| GE 1500               | 99.7                        | 99.7    | 99.7    | 99.7    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 100.0     | 100.0   |
| GE 1200               | 99.7                        | 99.7    | 99.7    | 99.7    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 100.0     | 100.0   |
| GE 1000               | 99.7                        | 99.7    | 99.7    | 99.7    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 100.0     | 100.0   |
| GE 900                | 99.7                        | 99.7    | 99.7    | 99.7    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 100.0     | 100.0   |
| GE 800                | 99.7                        | 99.7    | 99.7    | 99.7    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 100.0     | 100.0   |
| GE 700                | 99.7                        | 99.7    | 99.7    | 99.7    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 100.0     | 100.0   |
| GE 600                | 99.7                        | 99.7    | 99.7    | 99.7    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 100.0     | 100.0   |
| GE 500                | 99.7                        | 99.7    | 99.7    | 99.7    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 100.0     | 100.0   |
| GE 400                | 99.7                        | 99.7    | 99.7    | 99.7    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 100.0     | 100.0   |
| GE 300                | 99.7                        | 99.7    | 99.7    | 99.7    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 100.0     | 100.0   |
| GE 200                | 99.7                        | 99.7    | 99.7    | 99.7    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 100.0     | 100.0   |
| GE 100                | 99.7                        | 99.7    | 99.7    | 99.7    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 100.0     | 100.0   |
| GE 000                | 99.7                        | 99.7    | 99.7    | 99.7    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUL HOURS: 09-11

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 74.3                        | 74.3    | 74.3    | 74.3    | 74.3    | 74.3        | 74.3    | 74.3        | 74.3        | 74.3    | 74.3      | 74.3      | 74.3      | 74.3      | 74.3      | 74.3    |
| GE 20000              | 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      | 79.4      | 79.4      | 79.4    |
| GE 18000              | 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      | 79.4      | 79.4      | 79.4    |
| GE 16000              | 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      | 79.4      | 79.4      | 79.4    |
| GE 14000              | 81.3                        | 81.3    | 81.3    | 81.3    | 81.3    | 81.3        | 81.3    | 81.3        | 81.3        | 81.3    | 81.3      | 81.3      | 81.3      | 81.3      | 81.3      | 81.3    |
| GE 12000              | 91.6                        | 91.6    | 91.6    | 91.6    | 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 10000              | 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      | 96.7      | 96.7    |
| GE 9000               | 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 8000               | 98.4                        | 98.4    | 98.4    | 98.4    | 98.4    | 98.4        | 98.4    | 98.4        | 98.4        | 98.4    | 98.4      | 98.4      | 98.4      | 98.4      | 98.4      | 98.4    |
| GE 7000               | 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      | 99.0    |
| GE 6000               | 99.4                        | 99.4    | 99.4    | 99.4    | 99.4    | 99.4        | 99.4    | 99.4        | 99.4        | 99.4    | 99.4      | 99.4      | 99.4      | 99.4      | 99.4      | 99.4    |
| GE 5000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 4500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 4000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 3500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 3000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 2500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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 000                | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUL HOURS: 12-14

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 72.2                        | 72.2    | 72.2    | 72.2    | 72.2    | 72.2        | 72.2    | 72.2        | 72.2        | 72.2    | 72.2      | 72.2      | 72.2      | 72.2      | 72.2      | 72.2    |
| GE 20000              | 79.8                        | 79.8    | 79.8    | 79.8    | 79.8    | 79.8        | 79.8    | 79.8        | 79.8        | 79.8    | 79.8      | 79.8      | 79.8      | 79.8      | 79.8      | 79.8    |
| GE 18000              | 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 16000              | 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 14000              | 81.3                        | 81.3    | 81.3    | 81.3    | 81.3    | 81.3        | 81.3    | 81.3        | 81.3        | 81.3    | 81.3      | 81.3      | 81.3      | 81.3      | 81.3      | 81.3    |
| GE 12000              | 90.2                        | 90.2    | 90.2    | 90.2    | 90.2    | 90.2        | 90.2    | 90.2        | 90.2        | 90.2    | 90.2      | 90.2      | 90.2      | 90.2      | 90.2      | 90.2    |
| GE 10000              | 95.2                        | 95.2    | 95.2    | 95.2    | 95.2    | 95.2        | 95.2    | 95.2        | 95.2        | 95.2    | 95.2      | 95.2      | 95.2      | 95.2      | 95.2      | 95.2    |
| GE 9000               | 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      | 95.8      | 95.8    |
| GE 8000               | 97.2                        | 97.2    | 97.2    | 97.2    | 97.2    | 97.2        | 97.2    | 97.2        | 97.2        | 97.2    | 97.2      | 97.2      | 97.2      | 97.2      | 97.2      | 97.2    |
| GE 7000               | 99.4                        | 99.4    | 99.4    | 99.4    | 99.4    | 99.4        | 99.4    | 99.4        | 99.4        | 99.4    | 99.4      | 99.4      | 99.4      | 99.4      | 99.4      | 99.4    |
| GE 6000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 5000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 4500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 4000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 3500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 3000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 2500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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 000                | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUL HOURS: 15-17

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 57.5                        | 57.5    | 57.5    | 57.5    | 57.5    | 57.5        | 57.5    | 57.5        | 57.5        | 57.5    | 57.5      | 57.5      | 57.5      | 57.5      | 57.5      | 57.5    |
| GE 20000              | 71.6                        | 71.6    | 71.6    | 71.6    | 71.6    | 71.6        | 71.6    | 71.6        | 71.6        | 71.6    | 71.6      | 71.6      | 71.6      | 71.6      | 71.6      | 71.6    |
| GE 18000              | 71.6                        | 71.6    | 71.6    | 71.6    | 71.6    | 71.6        | 71.6    | 71.6        | 71.6        | 71.6    | 71.6      | 71.6      | 71.6      | 71.6      | 71.6      | 71.6    |
| GE 16000              | 71.6                        | 71.6    | 71.6    | 71.6    | 71.6    | 71.6        | 71.6    | 71.6        | 71.6        | 71.6    | 71.6      | 71.6      | 71.6      | 71.6      | 71.6      | 71.6    |
| GE 14000              | 72.8                        | 72.8    | 72.8    | 72.8    | 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 12000              | 84.1                        | 84.1    | 84.2    | 84.2    | 84.2    | 84.2        | 84.2    | 84.2        | 84.2        | 84.2    | 84.2      | 84.2      | 84.2      | 84.2      | 84.2      | 84.2    |
| GE 10000              | 89.9                        | 89.9    | 90.0    | 90.0    | 90.0    | 90.0        | 90.0    | 90.0        | 90.0        | 90.0    | 90.0      | 90.0      | 90.0      | 90.0      | 90.0      | 90.0    |
| GE 9000               | 90.3                        | 90.3    | 90.5    | 90.5    | 90.5    | 90.5        | 90.5    | 90.5        | 90.5        | 90.5    | 90.5      | 90.5      | 90.5      | 90.5      | 90.5      | 90.5    |
| GE 8000               | 91.2                        | 91.2    | 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      | 91.4    |
| GE 7000               | 98.1                        | 98.1    | 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 6000               | 99.5                        | 99.5    | 99.9    | 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 5000               | 99.5                        | 99.5    | 99.9    | 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 4500               | 99.5                        | 99.5    | 99.9    | 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 4000               | 99.5                        | 99.5    | 99.9    | 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 3500               | 99.5                        | 99.5    | 99.9    | 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 3000               | 99.5                        | 99.5    | 99.9    | 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 2500               | 99.5                        | 99.5    | 99.9    | 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               | 99.5                        | 99.5    | 99.9    | 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               | 99.5                        | 99.5    | 99.9    | 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               | 99.5                        | 99.5    | 99.9    | 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               | 99.5                        | 99.5    | 99.9    | 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               | 99.5                        | 99.5    | 99.9    | 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                | 99.5                        | 99.5    | 99.9    | 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                | 99.5                        | 99.5    | 99.9    | 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                | 99.5                        | 99.5    | 99.9    | 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                | 99.5                        | 99.5    | 99.9    | 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                | 99.5                        | 99.5    | 99.9    | 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                | 99.5                        | 99.5    | 99.9    | 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                | 99.5                        | 99.5    | 99.9    | 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                | 99.5                        | 99.5    | 99.9    | 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                | 99.5                        | 99.5    | 99.9    | 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 000                | 99.5                        | 99.5    | 99.9    | 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 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUL HOURS: 18-20

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 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      | 47.4      | 47.4    |
| GE 20000              | 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      | 62.7      | 62.7    |
| GE 18000              | 62.9                        | 62.9    | 62.9    | 62.9    | 62.9    | 62.9        | 62.9    | 62.9        | 62.9        | 62.9    | 62.9      | 62.9      | 62.9      | 62.9      | 62.9      | 62.9    |
| GE 16000              | 63.0                        | 63.0    | 63.0    | 63.0    | 63.0    | 63.0        | 63.0    | 63.0        | 63.0        | 63.0    | 63.0      | 63.0      | 63.0      | 63.0      | 63.0      | 63.0    |
| GE 14000              | 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      | 65.1      | 65.1    |
| GE 12000              | 77.8                        | 77.8    | 77.8    | 77.8    | 77.8    | 77.8        | 77.8    | 77.8        | 77.8        | 77.8    | 77.8      | 77.8      | 77.8      | 77.8      | 78.0      | 78.0    |
| GE 10000              | 84.2                        | 84.2    | 84.2    | 84.2    | 84.2    | 84.2        | 84.2    | 84.2        | 84.2        | 84.2    | 84.2      | 84.2      | 84.2      | 84.2      | 84.3      | 84.3    |
| GE 9000               | 85.1                        | 85.1    | 85.1    | 85.1    | 85.1    | 85.1        | 85.1    | 85.1        | 85.1        | 85.1    | 85.1      | 85.1      | 85.1      | 85.1      | 85.2      | 85.2    |
| GE 8000               | 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      | 87.0      | 87.1      | 87.1    |
| GE 7000               | 95.6                        | 95.6    | 95.6    | 95.6    | 95.6    | 95.6        | 95.6    | 95.6        | 95.6        | 95.6    | 95.6      | 95.6      | 95.6      | 95.6      | 95.7      | 95.7    |
| GE 6000               | 98.3                        | 98.3    | 98.4    | 98.4    | 98.5    | 98.5        | 98.5    | 98.5        | 98.5        | 98.5    | 98.5      | 98.5      | 98.5      | 98.5      | 98.6      | 98.6    |
| GE 5000               | 99.0                        | 99.0    | 99.2    | 99.2    | 99.4    | 99.4        | 99.4    | 99.4        | 99.4        | 99.4    | 99.4      | 99.4      | 99.4      | 99.4      | 99.5      | 99.5    |
| GE 4500               | 99.2                        | 99.2    | 99.5    | 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 4000               | 99.2                        | 99.2    | 99.5    | 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 3500               | 99.2                        | 99.2    | 99.5    | 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 3000               | 99.4                        | 99.4    | 99.7    | 99.7    | 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               | 99.4                        | 99.4    | 99.7    | 99.7    | 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 2000               | 99.4                        | 99.4    | 99.7    | 99.7    | 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 1800               | 99.4                        | 99.4    | 99.7    | 99.7    | 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 1500               | 99.4                        | 99.4    | 99.7    | 99.7    | 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 1200               | 99.4                        | 99.4    | 99.7    | 99.7    | 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 1000               | 99.4                        | 99.4    | 99.7    | 99.7    | 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 900                | 99.4                        | 99.4    | 99.7    | 99.7    | 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 800                | 99.4                        | 99.4    | 99.7    | 99.7    | 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 700                | 99.4                        | 99.4    | 99.7    | 99.7    | 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 600                | 99.4                        | 99.4    | 99.7    | 99.7    | 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 500                | 99.4                        | 99.4    | 99.7    | 99.7    | 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 400                | 99.4                        | 99.4    | 99.7    | 99.7    | 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 300                | 99.4                        | 99.4    | 99.7    | 99.7    | 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 200                | 99.4                        | 99.4    | 99.7    | 99.7    | 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 100                | 99.4                        | 99.4    | 99.7    | 99.7    | 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 000                | 99.4                        | 99.4    | 99.7    | 99.7    | 99.8    | 99.8        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.8      | 99.9      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUL HOURS: 21-23

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 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      | 50.1      | 50.1    |
| GE 20000              | 60.0                        | 60.0    | 60.0    | 60.0    | 60.0    | 60.0        | 60.0    | 60.0        | 60.0        | 60.0    | 60.0      | 60.0      | 60.0      | 60.0      | 60.0      | 60.0    |
| GE 18000              | 60.0                        | 60.0    | 60.0    | 60.0    | 60.0    | 60.0        | 60.0    | 60.0        | 60.0        | 60.0    | 60.0      | 60.0      | 60.0      | 60.0      | 60.0      | 60.0    |
| GE 16000              | 60.1                        | 60.1    | 60.1    | 60.1    | 60.1    | 60.1        | 60.1    | 60.1        | 60.1        | 60.1    | 60.1      | 60.1      | 60.1      | 60.1      | 60.1      | 60.1    |
| GE 14000              | 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      | 61.7      | 61.7    |
| GE 12000              | 75.4                        | 75.4    | 75.4    | 75.4    | 75.4    | 75.4        | 75.4    | 75.4        | 75.4        | 75.4    | 75.4      | 75.4      | 75.4      | 75.4      | 75.4      | 75.4    |
| GE 10000              | 81.9                        | 81.9    | 81.9    | 81.9    | 81.9    | 81.9        | 81.9    | 81.9        | 81.9        | 81.9    | 81.9      | 81.9      | 81.9      | 81.9      | 81.9      | 81.9    |
| GE 9000               | 82.8                        | 82.8    | 82.8    | 82.8    | 82.8    | 82.8        | 82.8    | 82.8        | 82.8        | 82.8    | 82.8      | 82.8      | 82.8      | 82.8      | 82.8      | 82.8    |
| GE 8000               | 85.1                        | 85.1    | 85.1    | 85.1    | 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 7000               | 94.3                        | 94.3    | 94.4    | 94.5    | 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 6000               | 97.4                        | 97.4    | 97.5    | 97.6    | 97.6    | 97.6        | 97.6    | 97.6        | 97.6        | 97.7    | 97.7      | 97.7      | 97.7      | 97.7      | 97.7      | 97.7    |
| GE 5000               | 99.0                        | 9.0     | 99.2    | 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    |
| GE 4500               | 99.2                        | 99.2    | 99.5    | 99.6    | 99.6    | 99.6        | 99.6    | 99.6        | 99.6        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 4000               | 99.2                        | 99.2    | 99.5    | 99.6    | 99.6    | 99.6        | 99.6    | 99.6        | 99.6        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 3500               | 99.2                        | 99.2    | 99.5    | 99.6    | 99.6    | 99.6        | 99.6    | 99.6        | 99.6        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 3000               | 99.6                        | 99.6    | 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   |
| GE 2500               | 99.6                        | 99.6    | 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   |
| GE 2000               | 99.6                        | 99.6    | 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   |
| GE 1800               | 99.6                        | 99.6    | 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   |
| GE 1500               | 99.6                        | 99.6    | 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   |
| GE 1200               | 99.6                        | 99.6    | 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   |
| GE 1000               | 99.6                        | 99.6    | 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   |
| GE 900                | 99.6                        | 99.6    | 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   |
| GE 800                | 99.6                        | 99.6    | 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   |
| GE 700                | 99.6                        | 99.6    | 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   |
| GE 600                | 99.6                        | 99.6    | 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   |
| GE 500                | 99.6                        | 99.6    | 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   |
| GE 400                | 99.6                        | 99.6    | 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   |
| GE 300                | 99.6                        | 99.6    | 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   |
| GE 200                | 99.6                        | 99.6    | 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   |
| GE 100                | 99.6                        | 99.6    | 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   |
| GE 000                | 99.6                        | 99.6    | 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   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUL HOURS: ALL

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 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      | 61.0      | 61.0    |
| GE 20000              | 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 18000              | 70.2                        | 70.2    | 70.2    | 70.2    | 70.2    | 70.2        | 70.2    | 70.2        | 70.2        | 70.2    | 70.2      | 70.2      | 70.2      | 70.2      | 70.2      | 70.2    |
| GE 16000              | 70.2                        | 70.2    | 70.2    | 70.2    | 70.2    | 70.2        | 70.2    | 70.2        | 70.2        | 70.2    | 70.2      | 70.2      | 70.2      | 70.2      | 70.2      | 70.2    |
| GE 14000              | 71.7                        | 71.7    | 71.7    | 71.7    | 71.7    | 71.7        | 71.7    | 71.7        | 71.7        | 71.7    | 71.7      | 71.7      | 71.7      | 71.7      | 71.7      | 71.7    |
| GE 12000              | 83.7                        | 83.7    | 83.7    | 83.7    | 83.7    | 83.7        | 83.7    | 83.7        | 83.7        | 83.7    | 83.7      | 83.7      | 83.7      | 83.7      | 83.7      | 83.7    |
| GE 10000              | 89.4                        | 89.4    | 89.5    | 89.5    | 89.5    | 89.5        | 89.5    | 89.5        | 89.5        | 89.5    | 89.5      | 89.5      | 89.5      | 89.5      | 89.5      | 89.5    |
| GE 9000               | 90.3                        | 90.3    | 90.3    | 90.3    | 90.3    | 90.3        | 90.3    | 90.3        | 90.3        | 90.3    | 90.3      | 90.3      | 90.3      | 90.3      | 90.3      | 90.3    |
| GE 8000               | 91.8                        | 91.8    | 91.9    | 91.9    | 91.9    | 91.9        | 91.9    | 91.9        | 91.9        | 91.9    | 91.9      | 91.9      | 91.9      | 91.9      | 91.9      | 91.9    |
| GE 7000               | 96.9                        | 96.9    | 97.0    | 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    |
| GE 6000               | 98.8                        | 98.8    | 98.9    | 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 5000               | 99.4                        | 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      | 99.7      | 99.7    |
| GE 4500               | 99.6                        | 99.6    | 99.7    | 99.8    | 99.8    | 99.8        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.8      | 99.9      | 99.9    |
| GE 4000               | 99.6                        | 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      | 99.9    |
| GE 3500               | 99.6                        | 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      | 99.9    |
| GE 3000               | 99.7                        | 99.7    | 99.9    | 99.9    | 99.9    | 99.9        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 100.0     | 100.0   |
| GE 2500               | 99.7                        | 99.7    | 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     | 100.0   |
| GE 2000               | 99.7                        | 99.7    | 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     | 100.0   |
| GE 1800               | 99.7                        | 99.7    | 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     | 100.0   |
| GE 1500               | 99.7                        | 99.7    | 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     | 100.0   |
| GE 1200               | 99.7                        | 99.7    | 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     | 100.0   |
| GE 1000               | 99.7                        | 99.7    | 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     | 100.0   |
| GE 900                | 99.7                        | 99.7    | 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     | 100.0   |
| GE 800                | 99.7                        | 99.7    | 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     | 100.0   |
| GE 700                | 99.7                        | 99.7    | 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     | 100.0   |
| GE 600                | 99.7                        | 99.7    | 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     | 100.0   |
| GE 500                | 99.7                        | 99.7    | 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     | 100.0   |
| GE 400                | 99.7                        | 99.7    | 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     | 100.0   |
| GE 300                | 99.7                        | 99.7    | 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     | 100.0   |
| GE 200                | 99.7                        | 99.7    | 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     | 100.0   |
| GE 100                | 99.7                        | 99.7    | 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     | 100.0   |
| GE 000                | 99.7                        | 99.7    | 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     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: AUG HOURS: 00-02

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 58.6                        | 58.6    | 58.6    | 58.6    | 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 20000              | 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 18000              | 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 16000              | 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 14000              | 68.5                        | 68.5    | 68.5    | 68.5    | 68.5    | 68.5        | 68.5    | 68.5        | 68.5        | 68.5    | 68.5      | 68.5      | 68.5      | 68.5      | 68.5      | 68.5    |
| GE 12000              | 80.1                        | 80.1    | 80.1    | 80.1    | 80.1    | 80.1        | 80.1    | 80.1        | 80.1        | 80.1    | 80.1      | 80.1      | 80.1      | 80.1      | 80.1      | 80.1    |
| GE 10000              | 85.7                        | 85.7    | 85.7    | 85.7    | 85.7    | 85.7        | 85.7    | 85.7        | 85.7        | 85.7    | 85.7      | 85.7      | 85.7      | 85.7      | 85.7      | 85.7    |
| GE 9000               | 86.0                        | 86.0    | 86.0    | 86.0    | 86.0    | 86.0        | 86.0    | 86.0        | 86.0        | 86.0    | 86.0      | 86.0      | 86.0      | 86.0      | 86.0      | 86.0    |
| GE 8000               | 87.1                        | 87.1    | 87.1    | 87.1    | 87.1    | 87.1        | 87.1    | 87.1        | 87.1        | 87.1    | 87.1      | 87.1      | 87.1      | 87.1      | 87.1      | 87.1    |
| GE 7000               | 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      | 94.0      | 94.0    |
| GE 6000               | 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      | 98.2      | 98.2      | 98.2    |
| GE 5000               | 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      | 99.7      | 99.7      | 99.7    |
| GE 4500               | 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      | 99.7      | 99.7      | 99.7    |
| GE 4000               | 99.8                        | 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     | 100.0   |
| GE 3500               | 99.8                        | 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     | 100.0   |
| GE 3000               | 99.8                        | 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     | 100.0   |
| GE 2500               | 99.8                        | 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     | 100.0   |
| GE 2000               | 99.8                        | 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     | 100.0   |
| GE 1800               | 99.8                        | 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     | 100.0   |
| GE 1500               | 99.8                        | 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     | 100.0   |
| GE 1200               | 99.8                        | 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     | 100.0   |
| GE 1000               | 99.8                        | 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     | 100.0   |
| GE 900                | 99.8                        | 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     | 100.0   |
| GE 800                | 99.8                        | 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     | 100.0   |
| GE 700                | 99.8                        | 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     | 100.0   |
| GE 600                | 99.8                        | 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     | 100.0   |
| GE 500                | 99.8                        | 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     | 100.0   |
| GE 400                | 99.8                        | 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     | 100.0   |
| GE 300                | 99.8                        | 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     | 100.0   |
| GE 200                | 99.8                        | 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     | 100.0   |
| GE 100                | 99.8                        | 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     | 100.0   |
| GE 000                | 99.8                        | 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     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: AUG HOURS: 03-05

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 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 20000              | 74.8                        | 74.8    | 74.8    | 74.8    | 74.8    | 74.8        | 74.8    | 74.8        | 74.8        | 74.8    | 74.8      | 74.8      | 74.8      | 74.8      | 74.8      | 74.8    |
| GE 18000              | 74.8                        | 74.8    | 74.8    | 74.8    | 74.8    | 74.8        | 74.8    | 74.8        | 74.8        | 74.8    | 74.8      | 74.8      | 74.8      | 74.8      | 74.8      | 74.8    |
| GE 16000              | 74.8                        | 74.8    | 74.8    | 74.8    | 74.8    | 74.8        | 74.8    | 74.8        | 74.8        | 74.8    | 74.8      | 74.8      | 74.8      | 74.8      | 74.8      | 74.8    |
| GE 14000              | 75.2                        | 75.2    | 75.2    | 75.2    | 75.2    | 75.2        | 75.2    | 75.2        | 75.2        | 75.2    | 75.2      | 75.2      | 75.2      | 75.2      | 75.2      | 75.2    |
| GE 12000              | 85.9                        | 85.9    | 85.9    | 85.9    | 85.9    | 85.9        | 85.9    | 85.9        | 85.9        | 85.9    | 85.9      | 85.9      | 85.9      | 85.9      | 85.9      | 85.9    |
| GE 10000              | 91.1                        | 91.1    | 91.1    | 91.1    | 91.1    | 91.1        | 91.1    | 91.1        | 91.1        | 91.1    | 91.1      | 91.1      | 91.1      | 91.1      | 91.1      | 91.1    |
| GE 9000               | 91.5                        | 91.5    | 91.5    | 91.5    | 91.5    | 91.5        | 91.5    | 91.5        | 91.5        | 91.5    | 91.5      | 91.5      | 91.5      | 91.5      | 91.5      | 91.5    |
| GE 8000               | 92.2                        | 92.2    | 92.2    | 92.2    | 92.2    | 92.2        | 92.2    | 92.2        | 92.2        | 92.2    | 92.2      | 92.2      | 92.2      | 92.2      | 92.2      | 92.2    |
| GE 7000               | 96.5                        | 96.5    | 96.5    | 96.5    | 96.5    | 96.5        | 96.5    | 96.5        | 96.5        | 96.5    | 96.5      | 96.5      | 96.5      | 96.5      | 96.5      | 96.5    |
| GE 6000               | 98.4                        | 98.4    | 98.4    | 98.4    | 98.4    | 98.4        | 98.4    | 98.4        | 98.4        | 98.4    | 98.4      | 98.4      | 98.4      | 98.4      | 98.4      | 98.4    |
| GE 5000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 4500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 4000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 3500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 3000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 2500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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 000                | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: AUG HOURS: 06-08

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 70.9                        | 70.9    | 70.9    | 70.9    | 70.9    | 70.9        | 70.9    | 70.9        | 70.9        | 70.9    | 70.9      | 70.9      | 70.9      | 70.9      | 70.9      | 70.9    |
| GE 20000              | 76.7                        | 76.7    | 76.7    | 76.7    | 76.7    | 76.7        | 76.7    | 76.7        | 76.7        | 76.7    | 76.7      | 76.7      | 76.7      | 76.7      | 76.7      | 76.7    |
| GE 18000              | 77.0                        | 77.0    | 77.0    | 77.0    | 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 16000              | 77.0                        | 77.0    | 77.0    | 77.0    | 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 14000              | 78.1                        | 78.1    | 78.1    | 78.1    | 78.1    | 78.1        | 78.1    | 78.1        | 78.1        | 78.1    | 78.1      | 78.1      | 78.1      | 78.1      | 78.1      | 78.1    |
| GE 12000              | 87.2                        | 87.2    | 87.2    | 87.2    | 87.2    | 87.2        | 87.2    | 87.2        | 87.2        | 87.2    | 87.2      | 87.2      | 87.2      | 87.2      | 87.2      | 87.2    |
| GE 10000              | 2.4                         | 92.4    | 92.4    | 92.4    | 92.4    | 92.4        | 92.4    | 92.4        | 92.4        | 92.4    | 92.4      | 92.4      | 92.4      | 92.4      | 92.4      | 92.4    |
| GE 9000               | 93.2                        | 93.2    | 93.2    | 93.2    | 93.2    | 93.2        | 93.2    | 93.2        | 93.2        | 93.2    | 93.2      | 93.2      | 93.2      | 93.2      | 93.2      | 93.2    |
| GE 8000               | 93.9                        | 93.9    | 93.9    | 93.9    | 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 7000               | 96.2                        | 96.2    | 96.2    | 96.2    | 96.2    | 96.2        | 96.2    | 96.2        | 96.2        | 96.2    | 96.2      | 96.2      | 96.2      | 96.2      | 96.2      | 96.2    |
| GE 6000               | 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 5000               | 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      | 99.1    |
| GE 4500               | 99.4                        | 99.4    | 99.4    | 99.4    | 99.4    | 99.4        | 99.4    | 99.4        | 99.4        | 99.4    | 99.4      | 99.4      | 99.4      | 99.4      | 99.4      | 99.4    |
| GE 4000               | 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      | 99.8      | 99.8    |
| GE 3500               | 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      | 99.8      | 99.8    |
| GE 3000               | 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     | 100.0     | 100.0   |
| GE 2500               | 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     | 100.0     | 100.0   |
| GE 2000               | 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     | 100.0     | 100.0   |
| GE 1800               | 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     | 100.0     | 100.0   |
| GE 1500               | 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     | 100.0     | 100.0   |
| GE 1200               | 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     | 100.0     | 100.0   |
| GE 1000               | 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     | 100.0     | 100.0   |
| GE 900                | 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     | 100.0     | 100.0   |
| GE 800                | 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     | 100.0     | 100.0   |
| GE 700                | 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     | 100.0     | 100.0   |
| GE 600                | 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     | 100.0     | 100.0   |
| GE 500                | 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     | 100.0     | 100.0   |
| GE 400                | 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     | 100.0     | 100.0   |
| GE 300                | 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     | 100.0     | 100.0   |
| GE 200                | 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     | 100.0     | 100.0   |
| GE 100                | 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     | 100.0     | 100.0   |
| GE 000                | 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     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: AUG HOURS: 09-11

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |       |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|-------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE    |
| NO CEIL               | 78.3                        | 78.3    | 78.3    | 78.3    | 78.3    | 78.3        | 78.3    | 78.3        | 78.3        | 78.3    | 78.3      | 78.3      | 78.3      | 78.3      | 78.3      | 78.3  |
| GE 20000              | 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      | 82.6      | 82.6  |
| GE 18000              | 82.7                        | 82.7    | 82.7    | 82.7    | 82.7    | 82.7        | 82.7    | 82.7        | 82.7        | 82.7    | 82.7      | 82.7      | 82.7      | 82.7      | 82.7      | 82.7  |
| GE 16000              | 82.7                        | 82.7    | 82.7    | 82.7    | 82.7    | 82.7        | 82.7    | 82.7        | 82.7        | 82.7    | 82.7      | 82.7      | 82.7      | 82.7      | 82.7      | 82.7  |
| GE 14000              | 83.9                        | 83.9    | 83.9    | 83.9    | 83.9    | 83.9        | 83.9    | 83.9        | 83.9        | 83.9    | 83.9      | 83.9      | 83.9      | 83.9      | 83.9      | 83.9  |
| GE 12000              | 92.4                        | 92.4    | 92.4    | 92.4    | 92.4    | 92.4        | 92.4    | 92.4        | 92.4        | 92.4    | 92.4      | 92.4      | 92.4      | 92.4      | 92.4      | 92.4  |
| GE 10000              | 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      | 96.8      | 96.8  |
| GE 9000               | 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      | 97.1      | 97.1  |
| GE 8000               | 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      | 97.3      | 97.3  |
| GE 7000               | 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      | 98.3  |
| GE 6000               | 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      | 99.1  |
| GE 5000               | 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      | 99.8      | 99.8  |
| GE 4500               | 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      | 99.8      | 99.8  |
| GE 4000               | 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 3500               | 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 3000               | 100.0                       | 100.0   | 100.0   | 100.0   | 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 2500               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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               | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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                | 100.0                       | 100.0   | 100.0   | 100.0   | 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 000                | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: AUG HOURS: 12-14

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 73.4                        | 73.4    | 73.4    | 73.4    | 73.4    | 73.4        | 73.4    | 73.4        | 73.4        | 73.4    | 73.4      | 73.4      | 73.4      | 73.4      | 73.4      | 73.4    |
| GE 20000              | 84.3                        | 84.3    | 84.3    | 84.3    | 84.3    | 84.3        | 84.3    | 84.3        | 84.3        | 84.3    | 84.3      | 84.3      | 84.3      | 84.3      | 84.3      | 84.3    |
| GE 18000              | 84.4                        | 84.4    | 84.4    | 84.4    | 84.4    | 84.4        | 84.4    | 84.4        | 84.4        | 84.4    | 84.4      | 84.4      | 84.4      | 84.4      | 84.4      | 84.4    |
| GE 16000              | 84.4                        | 84.4    | 84.4    | 84.4    | 84.4    | 84.4        | 84.4    | 84.4        | 84.4        | 84.4    | 84.4      | 84.4      | 84.4      | 84.4      | 84.4      | 84.4    |
| GE 14000              | 85.5                        | 85.5    | 85.5    | 85.5    | 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 12000              | 93.2                        | 93.2    | 93.2    | 93.2    | 93.2    | 93.2        | 93.2    | 93.2        | 93.2        | 93.2    | 93.2      | 93.2      | 93.2      | 93.2      | 93.2      | 93.2    |
| GE 10000              | 96.1                        | 96.1    | 96.1    | 96.1    | 96.1    | 96.1        | 96.1    | 96.1        | 96.1        | 96.1    | 96.1      | 96.1      | 96.1      | 96.1      | 96.1      | 96.1    |
| GE 9000               | 96.2                        | 96.2    | 96.2    | 96.2    | 96.2    | 96.2        | 96.2    | 96.2        | 96.2        | 96.2    | 96.2      | 96.2      | 96.2      | 96.2      | 96.2      | 96.2    |
| GE 8000               | 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      | 96.8      | 96.8    |
| GE 7000               | 98.4                        | 98.4    | 98.4    | 98.4    | 98.4    | 98.4        | 98.4    | 98.4        | 98.4        | 98.4    | 98.4      | 98.4      | 98.4      | 98.4      | 98.4      | 98.4    |
| GE 6000               | 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 5000               | 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      | 99.5      | 99.5    |
| GE 4500               | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 4000               | 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 3500               | 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 3000               | 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     | 100.0     | 100.0   |
| GE 2500               | 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     | 100.0     | 100.0   |
| GE 2000               | 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     | 100.0     | 100.0   |
| GE 1800               | 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     | 100.0     | 100.0   |
| GE 1500               | 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     | 100.0     | 100.0   |
| GE 1200               | 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     | 100.0     | 100.0   |
| GE 1000               | 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     | 100.0     | 100.0   |
| GE 900                | 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     | 100.0     | 100.0   |
| GE 800                | 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     | 100.0     | 100.0   |
| GE 700                | 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     | 100.0     | 100.0   |
| GE 600                | 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     | 100.0     | 100.0   |
| GE 500                | 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     | 100.0     | 100.0   |
| GE 400                | 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     | 100.0     | 100.0   |
| GE 300                | 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     | 100.0     | 100.0   |
| GE 200                | 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     | 100.0     | 100.0   |
| GE 100                | 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     | 100.0     | 100.0   |
| GE 000                | 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     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: AUG HOURS: 15-17

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GF<br>0 |
| NO CEIL               | 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 20000              | 71.5                        | 71.5    | 71.5    | 71.5    | 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 18000              | 71.5                        | 71.5    | 71.5    | 71.5    | 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 16000              | 71.5                        | 71.5    | 71.5    | 71.5    | 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 14000              | 72.9                        | 72.9    | 72.9    | 72.9    | 72.9    | 72.9        | 72.9    | 72.9        | 72.9        | 72.9    | 72.9      | 72.9      | 72.9      | 72.9      | 72.9      | 72.9    |
| GE 12000              | 84.2                        | 84.2    | 84.2    | 84.2    | 84.2    | 84.2        | 84.2    | 84.2        | 84.2        | 84.2    | 84.2      | 84.2      | 84.2      | 84.2      | 84.2      | 84.2    |
| GE 10000              | 88.3                        | 88.3    | 88.3    | 88.3    | 88.3    | 88.3        | 88.3    | 88.3        | 88.3        | 88.3    | 88.3      | 88.3      | 88.3      | 88.3      | 88.3      | 88.3    |
| GE 9000               | 88.6                        | 88.6    | 88.6    | 88.6    | 88.6    | 88.6        | 88.6    | 88.6        | 88.6        | 88.6    | 88.6      | 88.6      | 88.6      | 88.6      | 88.6      | 88.6    |
| GE 8000               | 90.0                        | 90.0    | 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      | 90.1    |
| GE 7000               | 95.5                        | 95.5    | 95.6    | 95.6    | 95.6    | 95.6        | 95.7    | 95.7        | 95.7        | 95.7    | 95.7      | 95.7      | 95.7      | 95.7      | 95.7      | 95.7    |
| GE 6000               | 98.3                        | 98.3    | 98.4    | 98.4    | 98.5    | 98.5        | 98.6    | 98.6        | 98.6        | 98.6    | 98.6      | 98.6      | 98.6      | 98.6      | 98.6      | 98.6    |
| GE 5000               | 99.0                        | 99.0    | 99.1    | 99.1    | 99.4    | 99.4        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.5      | 99.5      | 99.5    |
| GE 4500               | 99.1                        | 99.1    | 99.2    | 99.2    | 99.5    | 99.5        | 99.6    | 99.6        | 99.6        | 99.6    | 99.6      | 99.6      | 99.6      | 99.6      | 99.6      | 99.6    |
| GE 4000               | 99.2                        | 99.2    | 99.4    | 99.4    | 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 3500               | 99.4                        | 99.4    | 99.5    | 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    |
| GE 3000               | 99.4                        | 99.4    | 99.5    | 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    |
| GE 2500               | 99.5                        | 99.5    | 99.6    | 99.6    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 2000               | 99.5                        | 99.5    | 99.6    | 99.6    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 1800               | 99.5                        | 99.5    | 99.6    | 99.6    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 1500               | 99.5                        | 99.5    | 99.6    | 99.6    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 1200               | 99.5                        | 99.5    | 99.6    | 99.6    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 1000               | 99.5                        | 99.5    | 99.6    | 99.6    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 900                | 99.5                        | 99.5    | 99.6    | 99.6    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 800                | 99.5                        | 99.5    | 99.6    | 99.6    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 700                | 99.5                        | 99.5    | 99.6    | 99.6    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 600                | 99.5                        | 99.5    | 99.6    | 99.6    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 500                | 99.5                        | 99.5    | 99.6    | 99.6    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 400                | 99.5                        | 99.5    | 99.6    | 99.6    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 300                | 99.5                        | 99.5    | 99.6    | 99.6    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 200                | 99.5                        | 99.5    | 99.6    | 99.6    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 100                | 99.5                        | 99.5    | 99.6    | 99.6    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 000                | 99.5                        | 99.5    | 99.6    | 99.6    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: AUG HOURS: 18-20

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 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      | 47.2      | 47.2      | 47.2    |
| GE 20000              | 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      | 64.5      | 64.5    |
| GE 18000              | 64.8                        | 64.8    | 64.8    | 64.8    | 64.8    | 64.8        | 64.8    | 64.8        | 64.8        | 64.8    | 64.8      | 64.8      | 64.8      | 64.8      | 64.8      | 64.8    |
| GE 16000              | 64.8                        | 64.8    | 64.8    | 64.8    | 64.8    | 64.8        | 64.8    | 64.8        | 64.8        | 64.8    | 64.8      | 64.8      | 64.8      | 64.8      | 64.8      | 64.8    |
| GE 14000              | 67.1                        | 67.1    | 67.1    | 67.1    | 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 12000              | 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      | 82.6      | 82.6    |
| GE 10000              | 86.8                        | 86.8    | 86.8    | 86.8    | 86.8    | 86.8        | 86.8    | 86.8        | 86.8        | 86.8    | 86.8      | 86.8      | 86.8      | 86.8      | 86.8      | 86.8    |
| GE 9000               | 87.5                        | 87.5    | 87.5    | 87.5    | 87.5    | 87.5        | 87.5    | 87.5        | 87.5        | 87.5    | 87.5      | 87.5      | 87.5      | 87.5      | 87.5      | 87.5    |
| GE 8000               | 89.9                        | 89.9    | 89.9    | 89.9    | 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 7000               | 95.7                        | 95.7    | 95.7    | 95.7    | 95.7    | 95.7        | 95.7    | 95.7        | 95.7        | 95.7    | 95.7      | 95.7      | 95.7      | 95.7      | 95.7      | 95.7    |
| GE 6000               | 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      | 99.1    |
| GE 5000               | 99.7                        | 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      | 99.8      | 99.8    |
| GE 4500               | 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      | 99.9      | 99.9      | 99.9    |
| GE 4000               | 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     | 100.0     | 100.0     | 100.0   |
| GE 3500               | 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     | 100.0     | 100.0     | 100.0   |
| GE 3000               | 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     | 100.0     | 100.0     | 100.0   |
| GE 2500               | 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     | 100.0     | 100.0     | 100.0   |
| GE 2000               | 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     | 100.0     | 100.0     | 100.0   |
| GE 1800               | 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     | 100.0     | 100.0     | 100.0   |
| GE 1500               | 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     | 100.0     | 100.0     | 100.0   |
| GE 1200               | 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     | 100.0     | 100.0     | 100.0   |
| GE 1000               | 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     | 100.0     | 100.0     | 100.0   |
| GE 900                | 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     | 100.0     | 100.0     | 100.0   |
| GE 800                | 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     | 100.0     | 100.0     | 100.0   |
| GE 700                | 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     | 100.0     | 100.0     | 100.0   |
| GE 600                | 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     | 100.0     | 100.0     | 100.0   |
| GE 500                | 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     | 100.0     | 100.0     | 100.0   |
| GE 400                | 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     | 100.0     | 100.0     | 100.0   |
| GE 300                | 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     | 100.0     | 100.0     | 100.0   |
| GE 200                | 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     | 100.0     | 100.0     | 100.0   |
| GE 100                | 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     | 100.0     | 100.0     | 100.0   |
| GE 000                | 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     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: AUG HOURS: 21-23

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 52.3                        | 52.3    | 52.3    | 52.3    | 52.3    | 52.3        | 52.3    | 52.3        | 52.3        | 52.3    | 52.3      | 52.3      | 52.3      | 52.3      | 52.3      | 52.3    |
| GE 20000              | 64.9                        | 64.9    | 64.9    | 64.9    | 64.9    | 64.9        | 64.9    | 64.9        | 64.9        | 64.9    | 64.9      | 64.9      | 64.9      | 64.9      | 64.9      | 64.9    |
| GE 18000              | 64.9                        | 64.9    | 64.9    | 64.9    | 64.9    | 64.9        | 64.9    | 64.9        | 64.9        | 64.9    | 64.9      | 64.9      | 64.9      | 64.9      | 64.9      | 64.9    |
| GE 16000              | 64.9                        | 64.9    | 64.9    | 64.9    | 64.9    | 64.9        | 64.9    | 64.9        | 64.9        | 64.9    | 64.9      | 64.9      | 64.9      | 64.9      | 64.9      | 64.9    |
| GE 14000              | 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      | 65.5      | 65.5    |
| GE 12000              | 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      | 79.4      | 79.4      | 79.4    |
| GE 10000              | 84.7                        | 84.7    | 84.7    | 84.7    | 84.7    | 84.7        | 84.7    | 84.7        | 84.7        | 84.7    | 84.7      | 84.7      | 84.7      | 84.7      | 84.7      | 84.7    |
| GE 9000               | 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 8000               | 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      | 87.8      | 87.8      | 87.8    |
| GE 7000               | 94.2                        | 94.2    | 94.2    | 94.2    | 94.2    | 94.2        | 94.2    | 94.2        | 94.2        | 94.2    | 94.2      | 94.2      | 94.2      | 94.2      | 94.2      | 94.2    |
| GE 6000               | 98.9                        | 98.9    | 98.9    | 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    |
| GE 5000               | 99.6                        | 99.6    | 99.6    | 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 4500               | 99.6                        | 99.6    | 99.6    | 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 4000               | 99.7                        | 99.7    | 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 3500               | 99.8                        | 99.8    | 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 3000               | 99.8                        | 99.8    | 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 2500               | 99.8                        | 99.8    | 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 2000               | 99.8                        | 99.8    | 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 1800               | 99.8                        | 99.8    | 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 1500               | 99.8                        | 99.8    | 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 1200               | 99.8                        | 99.8    | 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 1000               | 99.8                        | 99.8    | 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 900                | 99.8                        | 99.8    | 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 800                | 99.8                        | 99.8    | 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 700                | 99.8                        | 99.8    | 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 600                | 99.8                        | 99.8    | 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 500                | 99.8                        | 99.8    | 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 400                | 99.8                        | 99.8    | 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 300                | 99.8                        | 99.8    | 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                | 99.8                        | 99.8    | 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                | 99.8                        | 99.8    | 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 000                | 99.8                        | 99.8    | 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 930

OPERATING LOCATION "A"  
USFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: AUG HOURS: ALL

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 63.3                        | 63.3    | 63.3    | 63.3    | 63.3    | 63.3        | 63.3    | 63.3        | 63.3        | 63.3    | 63.3      | 63.3      | 63.3      | 63.3      | 63.3      | 63.3    |
| GE 20000              | 73.4                        | 73.4    | 73.4    | 73.4    | 73.4    | 73.4        | 73.4    | 73.4        | 73.4        | 73.4    | 73.4      | 73.4      | 73.4      | 73.4      | 73.4      | 73.4    |
| GE 18000              | 73.5                        | 73.5    | 73.5    | 73.5    | 73.5    | 73.5        | 73.5    | 73.5        | 73.5        | 73.5    | 73.5      | 73.5      | 73.5      | 73.5      | 73.5      | 73.5    |
| GE 16000              | 73.5                        | 73.5    | 73.5    | 73.5    | 73.5    | 73.5        | 73.5    | 73.5        | 73.5        | 73.5    | 73.5      | 73.5      | 73.5      | 73.5      | 73.5      | 73.5    |
| GE 14000              | 74.6                        | 74.6    | 74.6    | 74.6    | 74.6    | 74.6        | 74.6    | 74.6        | 74.6        | 74.6    | 74.6      | 74.6      | 74.6      | 74.6      | 74.6      | 74.6    |
| GE 12000              | 85.6                        | 85.6    | 85.6    | 85.6    | 85.6    | 85.6        | 85.6    | 85.6        | 85.6        | 85.6    | 85.6      | 85.6      | 85.6      | 85.6      | 85.6      | 85.6    |
| GE 10000              | 90.2                        | 90.2    | 90.2    | 90.2    | 90.2    | 90.2        | 90.2    | 90.2        | 90.2        | 90.2    | 90.2      | 90.2      | 90.2      | 90.2      | 90.2      | 90.2    |
| GE 9000               | 90.7                        | 90.7    | 90.7    | 90.7    | 90.7    | 90.7        | 90.7    | 90.7        | 90.7        | 90.7    | 90.7      | 90.7      | 90.7      | 90.7      | 90.7      | 90.7    |
| GE 8000               | 91.9                        | 91.9    | 91.9    | 91.9    | 91.9    | 91.9        | 91.9    | 91.9        | 91.9        | 91.9    | 91.9      | 91.9      | 91.9      | 91.9      | 91.9      | 91.9    |
| GE 7000               | 96.1                        | 96.1    | 96.1    | 96.1    | 96.1    | 96.1        | 96.1    | 96.1        | 96.1        | 96.1    | 96.1      | 96.1      | 96.1      | 96.1      | 96.1      | 96.1    |
| GE 6000               | 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      | 98.8      | 98.8      | 98.8    |
| GE 5000               | 99.5                        | 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      | 99.6      | 99.6    |
| GE 4500               | 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      | 99.7      | 99.7      | 99.7    |
| GE 4000               | 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      | 99.9      | 99.9      | 99.9    |
| GE 3500               | 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      | 99.9      | 99.9      | 99.9    |
| GE 3000               | 99.8                        | 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     | 100.0   |
| GE 2500               | 99.8                        | 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     | 100.0   |
| GE 2000               | 99.8                        | 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     | 100.0   |
| GE 1800               | 99.8                        | 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     | 100.0   |
| GE 1500               | 99.8                        | 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     | 100.0   |
| GE 1200               | 99.8                        | 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     | 100.0   |
| GE 1000               | 99.8                        | 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     | 100.0   |
| GE 900                | 99.8                        | 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     | 100.0   |
| GE 800                | 99.8                        | 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     | 100.0   |
| GE 700                | 99.8                        | 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     | 100.0   |
| GE 600                | 99.8                        | 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     | 100.0   |
| GE 500                | 99.8                        | 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     | 100.0   |
| GE 400                | 99.8                        | 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     | 100.0   |
| GE 300                | 99.8                        | 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     | 100.0   |
| GE 200                | 99.8                        | 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     | 100.0   |
| GE 100                | 99.8                        | 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     | 100.0   |
| GE 000                | 99.8                        | 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     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: SEP HOURS: 00-02

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 82.6                        | 82.6    | 82.6    | 82.6    | 82.6    | 82.6        | 82.7    | 82.7        | 82.7        | 82.7    | 82.7      | 82.7      | 82.7      | 82.7      | 82.7      | 82.7    |
| GE 20000              | 85.6                        | 85.6    | 85.6    | 85.6    | 85.6    | 85.6        | 85.7    | 85.7        | 85.7        | 85.7    | 85.7      | 85.7      | 85.7      | 85.7      | 85.7      | 85.7    |
| GE 18000              | 85.6                        | 85.6    | 85.6    | 85.6    | 85.6    | 85.6        | 85.7    | 85.7        | 85.7        | 85.7    | 85.7      | 85.7      | 85.7      | 85.7      | 85.7      | 85.7    |
| GE 16000              | 85.6                        | 85.6    | 85.6    | 85.6    | 85.6    | 85.6        | 85.7    | 85.7        | 85.7        | 85.7    | 85.7      | 85.7      | 85.7      | 85.7      | 85.7      | 85.7    |
| GE 14000              | 85.9                        | 85.9    | 85.9    | 85.9    | 85.9    | 85.9        | 86.0    | 86.0        | 86.0        | 86.0    | 86.0      | 86.0      | 86.0      | 86.0      | 86.0      | 86.0    |
| GE 12000              | 91.6                        | 91.6    | 91.6    | 91.6    | 91.6    | 91.6        | 91.7    | 91.7        | 91.7        | 91.7    | 91.7      | 91.7      | 91.7      | 91.7      | 91.7      | 91.7    |
| GE 10000              | 94.4                        | 94.4    | 94.4    | 94.4    | 94.4    | 94.4        | 94.6    | 94.6        | 94.6        | 94.6    | 94.6      | 94.6      | 94.6      | 94.6      | 94.6      | 94.6    |
| GE 9000               | 94.4                        | 94.4    | 94.4    | 94.4    | 94.4    | 94.4        | 94.6    | 94.6        | 94.6        | 94.6    | 94.6      | 94.6      | 94.6      | 94.6      | 94.6      | 94.6    |
| GE 8000               | 94.6                        | 94.6    | 94.6    | 94.6    | 94.6    | 94.6        | 94.7    | 94.7        | 94.7        | 94.7    | 94.7      | 94.7      | 94.7      | 94.7      | 94.7      | 94.7    |
| GE 7000               | 96.3                        | 96.3    | 96.3    | 96.3    | 96.3    | 96.3        | 96.4    | 96.4        | 96.4        | 96.4    | 96.4      | 96.4      | 96.4      | 96.4      | 96.4      | 96.4    |
| GE 6000               | 98.6                        | 98.6    | 98.6    | 98.6    | 98.6    | 98.6        | 98.7    | 98.7        | 98.7        | 98.7    | 98.7      | 98.7      | 98.7      | 98.7      | 98.7      | 98.7    |
| GE 5000               | 99.6                        | 99.6    | 99.6    | 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 4500               | 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      | 99.9      | 99.9    |
| GE 4000               | 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     | 100.0     | 100.0   |
| GE 3500               | 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     | 100.0     | 100.0   |
| GE 3000               | 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     | 100.0     | 100.0   |
| GE 2500               | 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     | 100.0     | 100.0   |
| GE 2000               | 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     | 100.0     | 100.0   |
| GE 1800               | 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     | 100.0     | 100.0   |
| GE 1500               | 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     | 100.0     | 100.0   |
| GE 1200               | 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     | 100.0     | 100.0   |
| GE 1000               | 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     | 100.0     | 100.0   |
| GE 900                | 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     | 100.0     | 100.0   |
| GE 800                | 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     | 100.0     | 100.0   |
| GE 700                | 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     | 100.0     | 100.0   |
| GE 600                | 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     | 100.0     | 100.0   |
| GE 500                | 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     | 100.0     | 100.0   |
| GE 400                | 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     | 100.0     | 100.0   |
| GE 300                | 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     | 100.0     | 100.0   |
| GE 200                | 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     | 100.0     | 100.0   |
| GE 100                | 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     | 100.0     | 100.0   |
| GE 000                | 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     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: SEP HOURS: 03-05

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 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      | 84.6      | 84.6      | 84.6    |
| GE 20000              | 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      | 87.6      | 87.6    |
| GE 18000              | 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      | 87.6      | 87.6    |
| GE 16000              | 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      | 87.6      | 87.6    |
| GE 14000              | 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      | 87.6      | 87.6    |
| GE 12000              | 94.4                        | 94.4    | 94.4    | 94.4    | 94.4    | 94.4        | 94.4    | 94.4        | 94.4        | 94.4    | 94.4      | 94.4      | 94.4      | 94.4      | 94.4      | 94.4    |
| GE 10000              | 96.6                        | 96.6    | 96.6    | 96.6    | 96.6    | 96.6        | 96.6    | 96.6        | 96.6        | 96.6    | 96.6      | 96.6      | 96.6      | 96.6      | 96.6      | 96.6    |
| GE 9000               | 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      | 96.7      | 96.7    |
| GE 8000               | 96.9                        | 96.9    | 96.9    | 96.9    | 96.9    | 96.9        | 96.9    | 96.9        | 96.9        | 96.9    | 96.9      | 96.9      | 96.9      | 96.9      | 96.9      | 96.9    |
| GE 7000               | 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 6000               | 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      | 98.7      | 98.7    |
| GE 5000               | 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      | 99.6      | 99.6      | 99.6    |
| GE 4500               | 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      | 99.6      | 99.6      | 99.6    |
| GE 4000               | 99.9                        | 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     | 100.0   |
| GE 3500               | 99.9                        | 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     | 100.0   |
| GE 3000               | 99.9                        | 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     | 100.0   |
| GE 2500               | 99.9                        | 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     | 100.0   |
| GE 2000               | 99.9                        | 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     | 100.0   |
| GE 1800               | 99.9                        | 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     | 100.0   |
| GE 1500               | 99.9                        | 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     | 100.0   |
| GE 1200               | 99.9                        | 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     | 100.0   |
| GE 1000               | 99.9                        | 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     | 100.0   |
| GE 900                | 99.9                        | 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     | 100.0   |
| GE 800                | 99.9                        | 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     | 100.0   |
| GE 700                | 99.9                        | 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     | 100.0   |
| GE 600                | 99.9                        | 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     | 100.0   |
| GE 500                | 99.9                        | 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     | 100.0   |
| GE 400                | 99.9                        | 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     | 100.0   |
| GE 300                | 99.9                        | 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     | 100.0   |
| GE 200                | 99.9                        | 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     | 100.0   |
| GE 100                | 99.9                        | 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     | 100.0   |
| GE 000                | 99.9                        | 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     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: SEP HOURS: 06-08

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 85.0                        | 85.0    | 85.0    | 85.0    | 85.0    | 85.0        | 85.0    | 85.0        | 85.0        | 85.0    | 85.0      | 85.0      | 85.0      | 85.0      | 85.0      | 85.0    |
| GE 20000              | 87.4                        | 87.4    | 87.4    | 87.4    | 87.4    | 87.4        | 87.4    | 87.4        | 87.4        | 87.4    | 87.4      | 87.4      | 87.4      | 87.4      | 87.4      | 87.4    |
| GE 18000              | 87.4                        | 87.4    | 87.4    | 87.4    | 87.4    | 87.4        | 87.4    | 87.4        | 87.4        | 87.4    | 87.4      | 87.4      | 87.4      | 87.4      | 87.4      | 87.4    |
| GE 16000              | 87.4                        | 87.4    | 87.4    | 87.4    | 87.4    | 87.4        | 87.4    | 87.4        | 87.4        | 87.4    | 87.4      | 87.4      | 87.4      | 87.4      | 87.4      | 87.4    |
| GE 14000              | 87.4                        | 87.4    | 87.4    | 87.4    | 87.4    | 87.4        | 87.4    | 87.4        | 87.4        | 87.4    | 87.4      | 87.4      | 87.4      | 87.4      | 87.4      | 87.4    |
| GE 12000              | 93.7                        | 93.7    | 93.7    | 93.7    | 93.7    | 93.7        | 93.7    | 93.7        | 93.7        | 93.7    | 93.7      | 93.7      | 93.7      | 93.7      | 93.7      | 93.7    |
| GE 10000              | 96.1                        | 96.1    | 96.1    | 96.1    | 96.1    | 96.1        | 96.1    | 96.1        | 96.1        | 96.1    | 96.1      | 96.1      | 96.1      | 96.1      | 96.1      | 96.1    |
| GE 9000               | 96.4                        | 96.4    | 96.4    | 96.4    | 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 8000               | 96.9                        | 96.9    | 96.9    | 96.9    | 96.9    | 96.9        | 96.9    | 96.9        | 96.9        | 96.9    | 96.9      | 96.9      | 96.9      | 96.9      | 96.9      | 96.9    |
| GE 7000               | 97.8                        | 97.8    | 97.8    | 97.8    | 97.8    | 97.8        | 97.8    | 97.8        | 97.8        | 97.8    | 97.8      | 97.8      | 97.8      | 97.8      | 97.8      | 97.8    |
| GE 6000               | 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      | 98.7      | 98.7    |
| GE 5000               | 99.6                        | 99.6    | 99.6    | 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 4500               | 99.6                        | 99.6    | 99.6    | 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 4000               | 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     | 100.0     | 100.0   |
| GE 3500               | 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     | 100.0     | 100.0   |
| GE 3000               | 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     | 100.0     | 100.0   |
| GE 2500               | 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     | 100.0     | 100.0   |
| GE 2000               | 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     | 100.0     | 100.0   |
| GE 1800               | 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     | 100.0     | 100.0   |
| GE 1500               | 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     | 100.0     | 100.0   |
| GE 1200               | 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     | 100.0     | 100.0   |
| GE 1000               | 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     | 100.0     | 100.0   |
| GE 900                | 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     | 100.0     | 100.0   |
| GE 800                | 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     | 100.0     | 100.0   |
| GE 700                | 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     | 100.0     | 100.0   |
| GE 600                | 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     | 100.0     | 100.0   |
| GE 500                | 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     | 100.0     | 100.0   |
| GE 400                | 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     | 100.0     | 100.0   |
| GE 300                | 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     | 100.0     | 100.0   |
| GE 200                | 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     | 100.0     | 100.0   |
| GE 100                | 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     | 100.0     | 100.0   |
| GE 000                | 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     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: SEP HOURS: 09-11

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 86.4                        | 86.4    | 86.4    | 86.4    | 86.4    | 86.4        | 86.4    | 86.4        | 86.4        | 86.4    | 86.4      | 86.4      | 86.4      | 86.4      | 86.4      | 86.4    |
| GE 20000              | 89.7                        | 89.7    | 89.7    | 89.7    | 89.7    | 89.7        | 89.7    | 89.7        | 89.7        | 89.7    | 89.7      | 89.7      | 89.7      | 89.7      | 89.7      | 89.7    |
| GE 18000              | 89.7                        | 89.7    | 89.7    | 89.7    | 89.7    | 89.7        | 89.7    | 89.7        | 89.7        | 89.7    | 89.7      | 89.7      | 89.7      | 89.7      | 89.7      | 89.7    |
| GE 16000              | 89.7                        | 89.7    | 89.7    | 89.7    | 89.7    | 89.7        | 89.7    | 89.7        | 89.7        | 89.7    | 89.7      | 89.7      | 89.7      | 89.7      | 89.7      | 89.7    |
| GE 14000              | 90.2                        | 90.2    | 90.2    | 90.2    | 90.2    | 90.2        | 90.2    | 90.2        | 90.2        | 90.2    | 90.2      | 90.2      | 90.2      | 90.2      | 90.2      | 90.2    |
| GE 12000              | 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      | 94.0      | 94.0    |
| GE 10000              | 97.3                        | 97.3    | 97.4    | 97.4    | 97.4    | 97.4        | 97.4    | 97.4        | 97.4        | 97.4    | 97.4      | 97.4      | 97.4      | 97.4      | 97.4      | 97.4    |
| GE 9000               | 97.6                        | 97.6    | 97.7    | 97.7    | 97.7    | 97.7        | 97.7    | 97.7        | 97.7        | 97.7    | 97.7      | 97.7      | 97.7      | 97.7      | 97.7      | 97.7    |
| GE 8000               | 97.8                        | 97.8    | 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      | 97.9    |
| GE 7000               | 98.3                        | 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      | 98.4      | 98.4    |
| GE 6000               | 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      | 99.3      | 99.3      | 99.3    |
| GE 5000               | 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      | 99.7      | 99.7      | 99.7    |
| GE 4500               | 99.9                        | 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     | 100.0   |
| GE 4000               | 99.9                        | 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     | 100.0   |
| GE 3500               | 99.9                        | 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     | 100.0   |
| GE 3000               | 99.9                        | 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     | 100.0   |
| GE 2500               | 99.9                        | 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     | 100.0   |
| GE 2000               | 99.9                        | 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     | 100.0   |
| GE 1800               | 99.9                        | 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     | 100.0   |
| GE 1500               | 99.9                        | 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     | 100.0   |
| GE 1200               | 99.9                        | 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     | 100.0   |
| GE 1000               | 99.9                        | 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     | 100.0   |
| GE 900                | 99.9                        | 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     | 100.0   |
| GE 800                | 99.9                        | 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     | 100.0   |
| GE 700                | 99.9                        | 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     | 100.0   |
| GE 600                | 99.9                        | 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     | 100.0   |
| GE 500                | 99.9                        | 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     | 100.0   |
| GE 400                | 99.9                        | 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     | 100.0   |
| GE 300                | 99.9                        | 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     | 100.0   |
| GE 200                | 99.9                        | 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     | 100.0   |
| GE 100                | 99.9                        | 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     | 100.0   |
| GE 000                | 99.9                        | 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     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 900



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: SEP HOURS: 12-14

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 82.3                        | 82.3    | 82.3    | 82.3    | 82.3    | 82.3        | 82.3    | 82.3        | 82.3        | 82.3    | 82.3      | 82.3      | 82.3      | 82.3      | 82.3      | 82.3    |
| GE 20000              | 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      | 88.0      | 88.0      | 88.0    |
| GE 18000              | 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      | 88.0      | 88.0      | 88.0    |
| GE 16000              | 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      | 88.0      | 88.0      | 88.0    |
| GE 14000              | 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      | 88.7      | 88.7    |
| GE 12000              | 93.3                        | 93.3    | 93.3    | 93.3    | 93.3    | 93.3        | 93.3    | 93.3        | 93.3        | 93.3    | 93.3      | 93.3      | 93.3      | 93.3      | 93.3      | 93.3    |
| GE 10000              | 95.1                        | 95.1    | 95.1    | 95.1    | 95.1    | 95.1        | 95.1    | 95.1        | 95.1        | 95.1    | 95.1      | 95.1      | 95.1      | 95.1      | 95.1      | 95.1    |
| GE 9000               | 95.4                        | 95.4    | 95.4    | 95.4    | 95.4    | 95.4        | 95.4    | 95.4        | 95.4        | 95.4    | 95.4      | 95.4      | 95.4      | 95.4      | 95.4      | 95.4    |
| GE 8000               | 95.9                        | 95.9    | 95.9    | 95.9    | 95.9    | 95.9        | 95.9    | 95.9        | 95.9        | 95.9    | 95.9      | 95.9      | 95.9      | 95.9      | 95.9      | 95.9    |
| GE 7000               | 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      | 97.1      | 97.1    |
| GE 6000               | 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      | 98.3    |
| GE 5000               | 98.8                        | 98.8    | 98.9    | 98.9    | 98.9    | 98.9        | 99.0    | 99.0        | 99.0        | 99.1    | 99.1      | 99.1      | 99.1      | 99.1      | 99.1      | 99.1    |
| GE 4500               | 99.0                        | 99.0    | 99.1    | 99.1    | 99.1    | 99.1        | 99.2    | 99.2        | 99.2        | 99.3    | 99.3      | 99.3      | 99.3      | 99.3      | 99.3      | 99.3    |
| GE 4000               | 99.1                        | 99.1    | 99.2    | 99.2    | 99.3    | 99.3        | 99.4    | 99.4        | 99.4        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 3500               | 99.1                        | 99.1    | 99.2    | 99.2    | 99.3    | 99.3        | 99.4    | 99.4        | 99.4        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 3000               | 99.1                        | 99.1    | 99.2    | 99.2    | 99.3    | 99.4        | 99.6    | 99.6        | 99.6        | 99.8    | 99.8      | 99.8      | 99.8      | 99.8      | 99.8      | 99.8    |
| GE 2500               | 99.1                        | 99.1    | 99.2    | 99.2    | 99.3    | 99.4        | 99.6    | 99.6        | 99.6        | 99.8    | 99.8      | 99.8      | 99.8      | 99.8      | 99.8      | 99.8    |
| GE 2000               | 99.1                        | 99.1    | 99.2    | 99.2    | 99.3    | 99.4        | 99.7    | 99.7        | 99.7        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 1800               | 99.1                        | 99.1    | 99.2    | 99.2    | 99.3    | 99.4        | 99.7    | 99.7        | 99.7        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 1500               | 99.1                        | 99.1    | 99.2    | 99.2    | 99.3    | 99.4        | 99.7    | 99.7        | 99.7        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 1200               | 99.1                        | 99.1    | 99.2    | 99.2    | 99.3    | 99.4        | 99.7    | 99.7        | 99.7        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 1000               | 99.1                        | 99.1    | 99.2    | 99.2    | 99.3    | 99.4        | 99.7    | 99.7        | 99.7        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 900                | 99.1                        | 99.1    | 99.2    | 99.2    | 99.3    | 99.4        | 99.7    | 99.7        | 99.7        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 800                | 99.1                        | 99.1    | 99.2    | 99.2    | 99.3    | 99.4        | 99.7    | 99.7        | 99.7        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 700                | 99.2                        | 99.2    | 99.3    | 99.3    | 99.4    | 99.6        | 99.8    | 99.8        | 99.8        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 600                | 99.2                        | 99.2    | 99.3    | 99.3    | 99.4    | 99.6        | 99.8    | 99.8        | 99.8        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 500                | 99.2                        | 99.2    | 99.3    | 99.3    | 99.4    | 99.6        | 99.8    | 99.8        | 99.8        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 400                | 99.2                        | 99.2    | 99.3    | 99.3    | 99.4    | 99.6        | 99.8    | 99.8        | 99.8        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 300                | 99.2                        | 99.2    | 99.3    | 99.3    | 99.4    | 99.6        | 99.8    | 99.8        | 99.8        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 200                | 99.2                        | 99.2    | 99.3    | 99.3    | 99.4    | 99.6        | 99.8    | 99.8        | 99.8        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 100                | 99.2                        | 99.2    | 99.3    | 99.3    | 99.4    | 99.6        | 99.8    | 99.8        | 99.8        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 000                | 99.2                        | 99.2    | 99.3    | 99.3    | 99.4    | 99.6        | 99.8    | 99.8        | 99.8        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: SEP HOURS: 15-17

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 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      | 72.3      | 72.3    |
| GE 20000              | 84.0                        | 84.0    | 84.0    | 84.0    | 84.0    | 84.0        | 84.0    | 84.0        | 84.0        | 84.0    | 84.0      | 84.0      | 84.0      | 84.0      | 84.0      | 84.0    |
| GE 18000              | 84.0                        | 84.0    | 84.0    | 84.0    | 84.0    | 84.0        | 84.0    | 84.0        | 84.0        | 84.0    | 84.0      | 84.0      | 84.0      | 84.0      | 84.0      | 84.0    |
| GE 16000              | 84.0                        | 84.0    | 84.0    | 84.0    | 84.0    | 84.0        | 84.0    | 84.0        | 84.0        | 84.0    | 84.0      | 84.0      | 84.0      | 84.0      | 84.0      | 84.0    |
| GE 14000              | 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      | 84.9      | 84.9      | 84.9    |
| GE 12000              | 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      | 90.1      | 90.1      | 90.1    |
| GE 10000              | 92.3                        | 92.3    | 92.3    | 92.3    | 92.3    | 92.3        | 92.3    | 92.3        | 92.3        | 92.3    | 92.3      | 92.3      | 92.3      | 92.3      | 92.3      | 92.3    |
| GE 9000               | 92.9                        | 92.9    | 92.9    | 92.9    | 92.9    | 92.9        | 92.9    | 92.9        | 92.9        | 92.9    | 92.9      | 92.9      | 92.9      | 92.9      | 92.9      | 92.9    |
| GE 8000               | 93.9                        | 93.9    | 93.9    | 93.9    | 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 7000               | 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      | 96.8      | 96.8    |
| GE 6000               | 98.6                        | 98.6    | 98.6    | 98.6    | 98.6    | 98.6        | 98.6    | 98.6        | 98.6        | 98.6    | 98.6      | 98.6      | 98.6      | 98.6      | 98.6      | 98.6    |
| GE 5000               | 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      | 99.0    |
| GE 4500               | 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      | 99.0    |
| GE 4000               | 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      | 99.3      | 99.3    |
| GE 3500               | 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 3000               | 99.4                        | 99.4    | 99.4    | 99.4    | 99.4    | 99.4        | 99.4    | 99.4        | 99.4        | 99.4    | 99.4      | 99.4      | 99.4      | 99.4      | 99.4      | 99.4    |
| GE 2500               | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 2000               | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 1800               | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 1500               | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 1200               | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 1000               | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 900                | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 800                | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 700                | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 600                | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 500                | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7    | 99.7        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 400                | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7    | 99.7        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 300                | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7    | 99.7        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 200                | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7    | 99.7        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 100                | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7    | 99.7        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 000                | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7    | 99.7        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: SEP HOURS: 18-20

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 71.2                        | 71.2    | 71.2    | 71.2    | 71.2    | 71.2        | 71.2    | 71.2        | 71.2        | 71.2    | 71.2      | 71.2      | 71.2      | 71.2      | 71.2      | 71.2    |
| GE 20000              | 81.0                        | 81.0    | 81.0    | 81.0    | 81.0    | 81.0        | 81.0    | 81.0        | 81.0        | 81.0    | 81.0      | 81.0      | 81.0      | 81.0      | 81.0      | 81.0    |
| GE 18000              | 81.0                        | 81.0    | 81.0    | 81.0    | 81.0    | 81.0        | 81.0    | 81.0        | 81.0        | 81.0    | 81.0      | 81.0      | 81.0      | 81.0      | 81.0      | 81.0    |
| GE 16000              | 81.0                        | 81.0    | 81.0    | 81.0    | 81.0    | 81.0        | 81.0    | 81.0        | 81.0        | 81.0    | 81.0      | 81.0      | 81.0      | 81.0      | 81.0      | 81.0    |
| GE 14000              | 81.6                        | 81.6    | 81.6    | 81.6    | 81.6    | 81.6        | 81.6    | 81.6        | 81.6        | 81.6    | 81.6      | 81.6      | 81.6      | 81.6      | 81.6      | 81.6    |
| GE 12000              | 88.1                        | 88.1    | 88.1    | 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 10000              | 89.9                        | 89.9    | 89.9    | 89.9    | 90.0    | 90.0        | 90.0    | 90.0        | 90.0        | 90.0    | 90.0      | 90.0      | 90.0      | 90.0      | 90.0      | 90.0    |
| GE 9000               | 90.0                        | 90.0    | 90.0    | 90.0    | 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 8000               | 90.8                        | 90.8    | 90.9    | 90.9    | 91.0    | 91.0        | 91.0    | 91.0        | 91.0        | 91.0    | 91.0      | 91.0      | 91.0      | 91.0      | 91.0      | 91.0    |
| GE 7000               | 94.7                        | 94.7    | 94.8    | 94.8    | 94.9    | 94.9        | 94.9    | 94.9        | 94.9        | 94.9    | 94.9      | 94.9      | 94.9      | 94.9      | 94.9      | 94.9    |
| GE 6000               | 98.4                        | 98.4    | 98.6    | 98.6    | 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 5000               | 99.2                        | 99.3    | 99.4    | 99.4    | 99.6    | 99.6        | 99.6    | 99.6        | 99.6        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 4500               | 99.2                        | 99.3    | 99.4    | 99.4    | 99.6    | 99.6        | 99.6    | 99.6        | 99.6        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 4000               | 99.2                        | 99.3    | 99.4    | 99.4    | 99.6    | 99.6        | 99.6    | 99.6        | 99.6        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 3500               | 99.2                        | 99.3    | 99.4    | 99.4    | 99.6    | 99.6        | 99.6    | 99.6        | 99.6        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 3000               | 99.2                        | 99.3    | 99.4    | 99.4    | 99.6    | 99.6        | 99.6    | 99.6        | 99.6        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 2500               | 99.2                        | 99.3    | 99.4    | 99.4    | 99.6    | 99.6        | 99.6    | 99.6        | 99.6        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 2000               | 99.2                        | 99.3    | 99.4    | 99.4    | 99.6    | 99.6        | 99.6    | 99.6        | 99.6        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 1800               | 99.2                        | 99.3    | 99.4    | 99.4    | 99.6    | 99.6        | 99.6    | 99.6        | 99.6        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 1500               | 99.2                        | 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      | 99.8      | 99.8    |
| GE 1200               | 99.2                        | 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      | 99.8      | 99.8    |
| GE 1000               | 99.2                        | 99.3    | 99.6    | 99.7    | 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 900                | 99.2                        | 99.3    | 99.6    | 99.7    | 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 800                | 99.2                        | 99.3    | 99.6    | 99.7    | 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 700                | 99.2                        | 99.3    | 99.6    | 99.7    | 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 600                | 99.2                        | 99.3    | 99.6    | 99.7    | 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 500                | 99.2                        | 99.3    | 99.6    | 99.7    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 400                | 99.2                        | 99.3    | 99.6    | 99.7    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 300                | 99.2                        | 99.3    | 99.6    | 99.7    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 200                | 99.2                        | 99.3    | 99.6    | 99.7    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 100                | 99.2                        | 99.3    | 99.6    | 99.7    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 000                | 99.2                        | 99.3    | 99.6    | 99.7    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: SEP HOURS: 21-23

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 78.1                        | 78.1    | 78.1    | 78.1    | 78.1    | 78.1        | 78.1    | 78.1        | 78.1        | 78.1    | 78.1      | 78.1      | 78.1      | 78.1      | 78.1      | 78.1    |
| GE 20000              | 84.2                        | 84.2    | 84.2    | 84.2    | 84.2    | 84.2        | 84.2    | 84.2        | 84.2        | 84.2    | 84.2      | 84.2      | 84.2      | 84.2      | 84.2      | 84.2    |
| GE 18000              | 84.2                        | 84.2    | 84.2    | 84.2    | 84.2    | 84.2        | 84.2    | 84.2        | 84.2        | 84.2    | 84.2      | 84.2      | 84.2      | 84.2      | 84.2      | 84.2    |
| GE 16000              | 84.2                        | 84.2    | 84.2    | 84.2    | 84.2    | 84.2        | 84.2    | 84.2        | 84.2        | 84.2    | 84.2      | 84.2      | 84.2      | 84.2      | 84.2      | 84.2    |
| GE 14000              | 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      | 84.9      | 84.9      | 84.9    |
| GE 12000              | 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      | 90.4      | 90.4    |
| GE 10000              | 93.0                        | 93.0    | 93.0    | 93.0    | 93.1    | 93.1        | 93.1    | 93.1        | 93.1        | 93.1    | 93.1      | 93.1      | 93.1      | 93.1      | 93.1      | 93.1    |
| GE 9000               | 93.0                        | 93.0    | 93.0    | 93.0    | 93.1    | 93.1        | 93.1    | 93.1        | 93.1        | 93.1    | 93.1      | 93.1      | 93.1      | 93.1      | 93.1      | 93.1    |
| GE 8000               | 93.6                        | 93.6    | 93.7    | 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 7000               | 95.8                        | 95.8    | 95.9    | 95.9    | 96.0    | 96.0        | 96.0    | 96.0        | 96.0        | 96.0    | 96.0      | 96.0      | 96.0      | 96.0      | 96.0      | 96.0    |
| GE 6000               | 98.8                        | 98.8    | 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      | 99.1    |
| GE 5000               | 99.3                        | 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      | 99.7    |
| GE 4500               | 99.3                        | 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      | 99.7    |
| GE 4000               | 99.3                        | 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      | 99.7    |
| GE 3500               | 99.3                        | 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      | 99.7    |
| GE 3000               | 99.6                        | 99.6    | 99.8    | 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               | 99.7                        | 99.7    | 99.9    | 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               | 99.7                        | 99.7    | 99.9    | 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               | 99.7                        | 99.7    | 99.9    | 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               | 99.7                        | 99.7    | 99.9    | 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               | 99.7                        | 99.7    | 99.9    | 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               | 99.7                        | 99.7    | 99.9    | 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                | 99.7                        | 99.7    | 99.9    | 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                | 99.7                        | 99.7    | 99.9    | 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                | 99.7                        | 99.7    | 99.9    | 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                | 99.7                        | 99.7    | 99.9    | 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                | 99.7                        | 99.7    | 99.9    | 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                | 99.7                        | 99.7    | 99.9    | 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                | 99.7                        | 99.7    | 99.9    | 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                | 99.7                        | 99.7    | 99.9    | 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                | 99.7                        | 99.7    | 99.9    | 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 000                | 99.7                        | 99.7    | 99.9    | 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 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: SEP HOURS: ALL

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 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      | 80.3      | 80.3      | 80.3    |
| GE 20000              | 85.9                        | 85.9    | 85.9    | 85.9    | 85.9    | 85.9        | 85.9    | 85.9        | 85.9        | 85.9    | 85.9      | 85.9      | 85.9      | 85.9      | 85.9      | 85.9    |
| GE 18000              | 85.9                        | 85.9    | 85.9    | 85.9    | 85.9    | 85.9        | 85.9    | 85.9        | 85.9        | 85.9    | 85.9      | 85.9      | 85.9      | 85.9      | 85.9      | 85.9    |
| GE 16000              | 85.9                        | 85.9    | 85.9    | 85.9    | 85.9    | 85.9        | 85.9    | 85.9        | 85.9        | 85.9    | 85.9      | 85.9      | 85.9      | 85.9      | 85.9      | 85.9    |
| GE 14000              | 86.4                        | 86.4    | 86.4    | 86.4    | 86.4    | 86.4        | 86.4    | 86.4        | 86.4        | 86.4    | 86.4      | 86.4      | 86.4      | 86.4      | 86.4      | 86.4    |
| GE 12000              | 92.0                        | 92.0    | 92.0    | 92.0    | 92.0    | 92.0        | 92.0    | 92.0        | 92.0        | 92.0    | 92.0      | 92.0      | 92.0      | 92.0      | 92.0      | 92.0    |
| GE 10000              | 94.3                        | 94.3    | 94.4    | 94.4    | 94.4    | 94.4        | 94.4    | 94.4        | 94.4        | 94.4    | 94.4      | 94.4      | 94.4      | 94.4      | 94.4      | 94.4    |
| GE 9000               | 94.6                        | 94.6    | 94.6    | 94.6    | 94.6    | 94.6        | 94.6    | 94.6        | 94.6        | 94.6    | 94.6      | 94.6      | 94.6      | 94.6      | 94.6      | 94.6    |
| GE 8000               | 95.0                        | 95.0    | 95.1    | 95.1    | 95.1    | 95.1        | 95.1    | 95.1        | 95.1        | 95.1    | 95.1      | 95.1      | 95.1      | 95.1      | 95.1      | 95.1    |
| GE 7000               | 96.9                        | 96.9    | 96.9    | 96.9    | 96.9    | 96.9        | 96.9    | 96.9        | 96.9        | 96.9    | 96.9      | 96.9      | 96.9      | 96.9      | 96.9      | 96.9    |
| GE 6000               | 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      | 98.8      | 98.8      | 98.8    |
| GE 5000               | 99.3                        | 99.3    | 99.4    | 99.4    | 99.4    | 99.4        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.5      | 99.5      | 99.5    |
| GE 4500               | 99.4                        | 99.4    | 99.5    | 99.5    | 99.5    | 99.5        | 99.6    | 99.6        | 99.6        | 99.6    | 99.6      | 99.6      | 99.6      | 99.6      | 99.6      | 99.6    |
| GE 4000               | 99.6                        | 99.6    | 99.7    | 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 3500               | 99.6                        | 99.6    | 99.7    | 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 3000               | 99.6                        | 99.6    | 99.7    | 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 2500               | 99.7                        | 99.7    | 99.8    | 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 2000               | 99.7                        | 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      | 99.9    |
| GE 1800               | 99.7                        | 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      | 99.9    |
| GE 1500               | 99.7                        | 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      | 99.9    |
| GE 1200               | 99.7                        | 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      | 99.9    |
| GE 1000               | 99.7                        | 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      | 99.9    |
| GE 900                | 99.7                        | 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      | 99.9    |
| GE 800                | 99.7                        | 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      | 99.9    |
| GE 700                | 99.7                        | 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      | 99.9    |
| GE 600                | 99.7                        | 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      | 99.9    |
| GE 500                | 99.7                        | 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     | 100.0     | 100.0   |
| GE 400                | 99.7                        | 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     | 100.0     | 100.0   |
| GE 300                | 99.7                        | 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     | 100.0     | 100.0   |
| GE 200                | 99.7                        | 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     | 100.0     | 100.0   |
| GE 100                | 99.7                        | 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     | 100.0     | 100.0   |
| GE 000                | 99.7                        | 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     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: OCT HOURS: 00-02

| CEILING  | VISIBILITY IN STATUTE MILES |         |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|----------|-----------------------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|          | IN<br>FEET                  | GE<br>7 | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL  | 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      | 85.2    |
| GE 20000 | 89.4                        | 89.4    | 89.4    | 89.4    | 89.4    | 89.4    | 89.4        | 89.4    | 89.4        | 89.4        | 89.4    | 89.4      | 89.4      | 89.4      | 89.4      | 89.4      | 89.4    |
| GE 18000 | 89.4                        | 89.4    | 89.4    | 89.4    | 89.4    | 89.4    | 89.4        | 89.4    | 89.4        | 89.4        | 89.4    | 89.4      | 89.4      | 89.4      | 89.4      | 89.4      | 89.4    |
| GE 16000 | 89.4                        | 89.4    | 89.4    | 89.4    | 89.4    | 89.4    | 89.4        | 89.4    | 89.4        | 89.4        | 89.4    | 89.4      | 89.4      | 89.4      | 89.4      | 89.4      | 89.4    |
| GE 14000 | 89.9                        | 89.9    | 89.9    | 89.9    | 89.9    | 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 12000 | 92.7                        | 92.7    | 92.7    | 92.7    | 92.7    | 92.7    | 92.7        | 92.7    | 92.7        | 92.7        | 92.7    | 92.7      | 92.7      | 92.7      | 92.7      | 92.7      | 92.7    |
| GE 10000 | 94.9                        | 94.9    | 94.9    | 94.9    | 94.9    | 94.9    | 94.9        | 94.9    | 94.9        | 94.9        | 94.9    | 94.9      | 94.9      | 94.9      | 94.9      | 94.9      | 94.9    |
| GE 9000  | 94.9                        | 94.9    | 94.9    | 94.9    | 94.9    | 94.9    | 94.9        | 94.9    | 94.9        | 94.9        | 94.9    | 94.9      | 94.9      | 94.9      | 94.9      | 94.9      | 94.9    |
| GE 8000  | 95.3                        | 95.3    | 95.3    | 95.3    | 95.3    | 95.3    | 95.3        | 95.3    | 95.3        | 95.3        | 95.3    | 95.3      | 95.3      | 95.3      | 95.3      | 95.3      | 95.3    |
| GE 7000  | 96.2                        | 96.2    | 96.2    | 96.2    | 96.2    | 96.2    | 96.2        | 96.2    | 96.2        | 96.2        | 96.2    | 96.2      | 96.2      | 96.2      | 96.2      | 96.2      | 96.2    |
| GE 6000  | 97.8                        | 97.8    | 97.8    | 97.8    | 97.8    | 97.8    | 97.8        | 97.8    | 97.8        | 97.8        | 97.8    | 97.8      | 97.8      | 97.8      | 97.8      | 97.8      | 97.8    |
| GE 5000  | 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      | 99.5      | 99.5      | 99.5    |
| GE 4500  | 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      | 99.5      | 99.5      | 99.5    |
| GE 4000  | 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     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 3500  | 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     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 3000  | 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     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 2500  | 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     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 2000  | 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     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 1800  | 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     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 1500  | 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     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 1200  | 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     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 1000  | 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     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 900   | 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     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 800   | 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     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 700   | 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     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 600   | 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     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 500   | 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     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 400   | 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     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 300   | 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     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 200   | 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     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 100   | 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     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 000   | 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     | 100.0     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: OCT HOURS: 03-05

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 84.2                        | 84.2    | 84.2    | 84.2    | 84.2    | 84.2        | 84.2    | 84.2        | 84.2        | 84.2    | 84.2      | 84.2      | 84.2      | 84.2      | 84.2      | 84.2    |
| GE 20000              | 88.3                        | 88.3    | 88.3    | 88.3    | 88.3    | 88.3        | 88.3    | 88.3        | 88.3        | 88.3    | 88.3      | 88.3      | 88.3      | 88.3      | 88.3      | 88.3    |
| GE 18000              | 88.3                        | 88.3    | 88.3    | 88.3    | 88.3    | 88.3        | 88.3    | 88.3        | 88.3        | 88.3    | 88.3      | 88.3      | 88.3      | 88.3      | 88.3      | 88.3    |
| GE 16000              | 88.3                        | 88.3    | 88.3    | 88.3    | 88.3    | 88.3        | 88.3    | 88.3        | 88.3        | 88.3    | 88.3      | 88.3      | 88.3      | 88.3      | 88.3      | 88.3    |
| GE 14000              | 88.6                        | 88.6    | 88.6    | 88.6    | 88.6    | 88.6        | 88.6    | 88.6        | 88.6        | 88.6    | 88.6      | 88.6      | 88.6      | 88.6      | 88.6      | 88.6    |
| GE 12000              | 91.0                        | 91.0    | 91.0    | 91.0    | 91.0    | 91.0        | 91.0    | 91.0        | 91.0        | 91.0    | 91.0      | 91.0      | 91.0      | 91.0      | 91.0      | 91.0    |
| GE 10000              | 92.2                        | 92.2    | 92.2    | 92.2    | 92.2    | 92.2        | 92.2    | 92.2        | 92.2        | 92.2    | 92.2      | 92.2      | 92.2      | 92.2      | 92.2      | 92.2    |
| GE 9000               | 92.4                        | 92.4    | 92.4    | 92.4    | 92.4    | 92.4        | 92.4    | 92.4        | 92.4        | 92.4    | 92.4      | 92.4      | 92.4      | 92.4      | 92.4      | 92.4    |
| GE 8000               | 92.6                        | 92.6    | 92.6    | 92.6    | 92.6    | 92.6        | 92.6    | 92.6        | 92.6        | 92.6    | 92.6      | 92.6      | 92.6      | 92.6      | 92.6      | 92.6    |
| GE 7000               | 93.9                        | 93.9    | 93.9    | 93.9    | 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 6000               | 96.3                        | 96.3    | 96.3    | 96.3    | 96.3    | 96.3        | 96.3    | 96.3        | 96.3        | 96.3    | 96.3      | 96.3      | 96.3      | 96.3      | 96.3      | 96.3    |
| GE 5000               | 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      | 99.1    |
| GE 4500               | 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      | 99.1    |
| GE 000                | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 3500               | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 3000               | 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 2500               | 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 2000               | 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     | 100.0     | 100.0     | 100.0   |
| GE 1800               | 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     | 100.0     | 100.0     | 100.0   |
| GE 1500               | 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     | 100.0     | 100.0     | 100.0   |
| GE 1200               | 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     | 100.0     | 100.0     | 100.0   |
| GE 1000               | 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     | 100.0     | 100.0     | 100.0   |
| GE 900                | 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     | 100.0     | 100.0     | 100.0   |
| GE 800                | 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     | 100.0     | 100.0     | 100.0   |
| GE 700                | 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     | 100.0     | 100.0     | 100.0   |
| GE 600                | 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     | 100.0     | 100.0     | 100.0   |
| GE 500                | 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     | 100.0     | 100.0     | 100.0   |
| GE 400                | 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     | 100.0     | 100.0     | 100.0   |
| GE 300                | 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     | 100.0     | 100.0     | 100.0   |
| GE 200                | 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     | 100.0     | 100.0     | 100.0   |
| GE 100                | 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     | 100.0     | 100.0     | 100.0   |
| GE 000                | 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     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: M'Y 79 - APR 89  
MONTH: OCT HOURS: 06-08

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 83.5                        | 83.5    | 83.5    | 83.5    | 83.5    | 83.5        | 83.5    | 83.5        | 83.5        | 83.5    | 83.5      | 83.5      | 83.5      | 83.5      | 83.5      | 83.5    |
| GE 20000              | 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      | 88.8    |
| GE 18000              | 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      | 88.8    |
| GE 16000              | 88.9                        | 88.9    | 88.9    | 88.9    | 88.9    | 88.9        | 88.9    | 88.9        | 88.9        | 88.9    | 88.9      | 88.9      | 88.9      | 88.9      | 88.9      | 88.9    |
| GE 14000              | 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      | 89.2      | 89.2    |
| GE 12000              | 92.2                        | 92.2    | 92.2    | 92.2    | 92.2    | 92.2        | 92.2    | 92.2        | 92.2        | 92.2    | 92.2      | 92.2      | 92.2      | 92.2      | 92.2      | 92.2    |
| GE 10000              | 93.8                        | 93.8    | 93.8    | 93.8    | 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 9000               | 93.8                        | 93.8    | 93.8    | 93.8    | 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 8000               | 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      | 94.0      | 94.0    |
| GE 7000               | 95.4                        | 95.4    | 95.4    | 95.4    | 95.4    | 95.4        | 95.4    | 95.4        | 95.4        | 95.4    | 95.4      | 95.4      | 95.4      | 95.4      | 95.4      | 95.4    |
| GE 6000               | 97.0                        | 97.0    | 97.0    | 97.0    | 97.0    | 97.0        | 97.0    | 97.0        | 97.0        | 97.0    | 97.0      | 97.0      | 97.0      | 97.0      | 97.0      | 97.0    |
| GE 5000               | 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      | 98.8      | 98.8      | 98.8    |
| GE 4500               | 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      | 99.1    |
| GE 4000               | 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      | 99.6      | 99.6      | 99.6    |
| GE 3500               | 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      | 99.6      | 99.6      | 99.6    |
| GE 3000               | 99.7                        | 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      | 99.8      | 99.8    |
| GE 2500               | 99.7                        | 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      | 99.8      | 99.8    |
| GE 2000               | 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     | 100.0     | 100.0     | 100.0   |
| GE 1800               | 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     | 100.0     | 100.0     | 100.0   |
| GE 1500               | 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     | 100.0     | 100.0     | 100.0   |
| GE 1200               | 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     | 100.0     | 100.0     | 100.0   |
| GE 1000               | 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     | 100.0     | 100.0     | 100.0   |
| GE 900                | 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     | 100.0     | 100.0     | 100.0   |
| GE 800                | 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     | 100.0     | 100.0     | 100.0   |
| GE 700                | 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     | 100.0     | 100.0     | 100.0   |
| GE 600                | 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     | 100.0     | 100.0     | 100.0   |
| GE 500                | 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     | 100.0     | 100.0     | 100.0   |
| GE 400                | 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     | 100.0     | 100.0     | 100.0   |
| GE 300                | 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     | 100.0     | 100.0     | 100.0   |
| GE 200                | 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     | 100.0     | 100.0     | 100.0   |
| GE 100                | 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     | 100.0     | 100.0     | 100.0   |
| GE 000                | 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     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: OCT HOURS: 09-11

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 83.3                        | 83.3    | 83.3    | 83.3    | 83.3    | 83.3        | 83.3    | 83.3        | 83.3        | 83.3    | 83.3      | 83.3      | 83.3      | 83.3      | 83.3      | 83.3    |
| GE 20000              | 89.1                        | 89.1    | 89.1    | 89.1    | 89.1    | 89.1        | 89.1    | 89.1        | 89.1        | 89.1    | 89.1      | 89.1      | 89.1      | 89.1      | 89.1      | 89.1    |
| GE 18000              | 89.1                        | 89.1    | 89.1    | 89.1    | 89.1    | 89.1        | 89.1    | 89.1        | 89.1        | 89.1    | 89.1      | 89.1      | 89.1      | 89.1      | 89.1      | 89.1    |
| GE 16000              | 89.5                        | 89.5    | 89.5    | 89.5    | 89.5    | 89.5        | 89.5    | 89.5        | 89.5        | 89.5    | 89.5      | 89.5      | 89.5      | 89.5      | 89.5      | 89.5    |
| GE 14000              | 90.8                        | 90.8    | 90.8    | 90.8    | 90.8    | 9.8         | 90.8    | 90.8        | 90.8        | 90.8    | 90.8      | 90.8      | 90.8      | 90.8      | 90.8      | 90.8    |
| GE 12000              | 91.9                        | 91.9    | 91.9    | 91.9    | 91.9    | 91.9        | 91.9    | 91.9        | 91.9        | 91.9    | 91.9      | 91.9      | 91.9      | 91.9      | 91.9      | 91.9    |
| GE 10000              | 94.6                        | 94.6    | 94.6    | 94.6    | 94.6    | 94.6        | 94.6    | 94.6        | 94.6        | 94.6    | 94.6      | 94.6      | 94.6      | 94.6      | 94.6      | 94.6    |
| GE 9000               | 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 8000               | 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 7000               | 95.5                        | 95.5    | 95.5    | 95.5    | 95.5    | 95.5        | 9.5     | 95.5        | 95.5        | 95.5    | 95.5      | 95.5      | 95.5      | 95.5      | 95.5      | 95.5    |
| GE 6000               | 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 5000               | 98.6                        | 98.6    | 98.6    | 98.6    | 98.6    | 98.6        | 98.6    | 98.6        | 98.6        | 98.6    | 98.6      | 98.6      | 98.6      | 98.6      | 98.6      | 98.6    |
| GE 4500               | 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      | 98.8      | 98.8      | 98.8    |
| GE 4000               | 99.1                        | 99.1    | 99.1    | 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    |
| GE 3500               | 99.1                        | 99.1    | 99.1    | 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    |
| GE 3000               | 99.4                        | 99.4    | 99.4    | 99.4    | 99.7    | 99.7        | 99.8    | 99.8        | 99.8        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 2500               | 99.4                        | 99.4    | 99.4    | 99.4    | 99.7    | 99.7        | 99.8    | 99.8        | 99.8        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 2000               | 99.5                        | 99.5    | 99.5    | 99.5    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 1800               | 99.5                        | 99.5    | 99.5    | 99.5    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 1500               | 99.5                        | 99.5    | 99.5    | 99.5    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 1200               | 99.5                        | 99.5    | 99.5    | 99.5    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 1000               | 99.5                        | 99.5    | 99.5    | 99.5    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 900                | 99.5                        | 99.5    | 99.5    | 99.5    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 800                | 99.5                        | 99.5    | 99.5    | 99.5    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 700                | 99.5                        | 99.5    | 99.5    | 99.5    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 600                | 99.5                        | 99.5    | 99.5    | 99.5    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 500                | 99.5                        | 99.5    | 99.5    | 99.5    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 400                | 99.5                        | 99.5    | 99.5    | 99.5    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 300                | 99.5                        | 99.5    | 99.5    | 99.5    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 200                | 99.5                        | 99.5    | 99.5    | 99.5    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 100                | 99.5                        | 99.5    | 99.5    | 99.5    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 000                | 99.5                        | 99.5    | 99.5    | 99.5    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: OCT HOURS: 12-14

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 81.0                        | 81.0    | 81.0    | 81.0    | 81.0    | 81.0        | 81.0    | 81.0        | 81.0        | 81.0    | 81.0      | 81.0      | 81.0      | 81.0      | 81.0      | 81.0    |
| GE 20000              | 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      | 88.8    |
| GE 18000              | 88.9                        | 88.9    | 88.9    | 88.9    | 88.9    | 88.9        | 88.9    | 88.9        | 88.9        | 88.9    | 88.9      | 88.9      | 88.9      | 88.9      | 88.9      | 88.9    |
| GE 16000              | 89.0                        | 89.0    | 89.0    | 89.0    | 89.0    | 89.0        | 89.0    | 89.0        | 89.0        | 89.0    | 89.0      | 89.0      | 89.0      | 89.0      | 89.0      | 89.0    |
| GE 14000              | 89.6                        | 89.6    | 89.6    | 89.6    | 89.6    | 89.6        | 89.6    | 89.6        | 89.6        | 89.6    | 89.6      | 89.6      | 89.6      | 89.6      | 89.6      | 89.6    |
| GE 12000              | 91.6                        | 91.6    | 91.6    | 91.6    | 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 10000              | 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      | 94.0      | 94.0    |
| GE 9000               | 94.3                        | 94.3    | 94.3    | 94.3    | 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 8000               | 94.5                        | 94.5    | 94.5    | 94.5    | 94.5    | 94.5        | 94.5    | 94.5        | 94.5        | 94.5    | 94.5      | 94.5      | 94.5      | 94.5      | 94.5      | 94.5    |
| GE 7000               | 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      | 95.8      | 95.8    |
| GE 6000               | 97.7                        | 97.7    | 97.7    | 97.7    | 97.7    | 97.7        | 97.7    | 97.7        | 97.7        | 97.7    | 97.7      | 97.7      | 97.7      | 97.7      | 97.7      | 97.7    |
| GE 5000               | 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 4500               | 98.4                        | 98.4    | 98.4    | 98.4    | 98.4    | 98.4        | 98.4    | 98.4        | 98.4        | 98.4    | 98.4      | 98.4      | 98.4      | 98.4      | 98.4      | 98.4    |
| GE 4000               | 98.8                        | 98.8    | 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      | 99.0    |
| GE 3500               | 98.8                        | 98.8    | 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      | 99.0    |
| GE 3000               | 99.2                        | 99.2    | 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      | 99.6    |
| GE 2500               | 99.4                        | 99.4    | 99.5    | 99.6    | 99.6    | 99.6        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.8      | 99.8      | 99.8    |
| GE 2000               | 99.4                        | 99.4    | 99.5    | 99.6    | 99.6    | 99.6        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.8      | 99.8      | 99.8    |
| GE 1800               | 99.4                        | 99.4    | 99.5    | 99.6    | 99.6    | 99.6        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.8      | 99.8      | 99.8    |
| GE 1500               | 99.4                        | 99.4    | 99.5    | 99.6    | 99.6    | 99.6        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.8      | 99.8      | 99.8    |
| GE 1200               | 99.4                        | 99.4    | 99.5    | 99.6    | 99.6    | 99.6        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.8      | 99.8      | 99.8    |
| GE 1000               | 99.5                        | 99.5    | 99.6    | 99.7    | 99.7    | 99.7        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 900                | 99.5                        | 99.5    | 99.6    | 99.7    | 99.7    | 99.7        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 800                | 99.5                        | 99.5    | 99.6    | 99.7    | 99.7    | 99.7        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 700                | 99.5                        | 99.6    | 99.7    | 99.8    | 99.8    | 99.8        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 600                | 99.5                        | 99.6    | 99.7    | 99.8    | 99.8    | 99.8        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 500                | 99.5                        | 99.6    | 99.7    | 99.8    | 99.8    | 99.8        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 400                | 99.5                        | 99.6    | 99.7    | 99.8    | 99.8    | 99.8        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 300                | 99.5                        | 99.6    | 99.7    | 99.8    | 99.8    | 99.8        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 200                | 99.5                        | 99.6    | 99.7    | 99.8    | 99.8    | 99.8        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 100                | 99.5                        | 99.6    | 99.7    | 99.8    | 99.8    | 99.8        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 000                | 99.5                        | 99.6    | 99.7    | 99.8    | 99.8    | 99.8        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: OCT HOURS: 15-17

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NOCEIL                | 75.9                        | 75.9    | 75.9    | 75.9    | 75.9    | 75.9        | 75.9    | 75.9        | 75.9        | 75.9    | 75.9      | 75.9      | 75.9      | 75.9      | 75.9      | 75.9    |
| GE 20000              | 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      | 88.8    |
| GE 18000              | 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      | 88.8    |
| GE 16000              | 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      | 88.8    |
| GE 14000              | 90.0                        | 90.0    | 90.0    | 90.0    | 90.0    | 90.0        | 90.0    | 90.0        | 90.0        | 90.0    | 90.0      | 90.0      | 90.0      | 90.0      | 90.0      | 90.0    |
| GE 12000              | 92.2                        | 92.2    | 92.2    | 92.2    | 92.2    | 92.2        | 92.2    | 92.2        | 92.2        | 92.2    | 92.2      | 92.2      | 92.2      | 92.2      | 92.2      | 92.2    |
| GE 10000              | 93.7                        | 93.7    | 93.7    | 93.7    | 93.7    | 93.7        | 93.7    | 93.7        | 93.7        | 93.7    | 93.7      | 93.7      | 93.7      | 93.7      | 93.7      | 93.7    |
| GE 9000               | 94.1                        | 94.1    | 94.1    | 94.1    | 94.1    | 94.1        | 94.1    | 94.1        | 94.1        | 94.1    | 94.1      | 94.1      | 94.1      | 94.1      | 94.1      | 94.1    |
| GE 8000               | 95.2                        | 95.2    | 95.2    | 95.2    | 95.2    | 95.2        | 95.2    | 95.2        | 95.2        | 95.2    | 95.2      | 95.2      | 95.2      | 95.2      | 95.2      | 95.2    |
| GE 7000               | 96.2                        | 96.2    | 96.2    | 96.2    | 96.2    | 96.2        | 96.2    | 96.2        | 96.2        | 96.2    | 96.2      | 96.2      | 96.2      | 96.2      | 96.2      | 96.2    |
| GE 6000               | 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      | 98.3    |
| GE 5000               | 99.4                        | 99.4    | 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 4500               | 99.7                        | 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      | 99.8      | 99.8    |
| GE 4000               | 99.7                        | 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 3500               | 99.7                        | 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 3000               | 99.7                        | 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 2500               | 99.7                        | 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               | 99.7                        | 99.7    | 99.8    | 99.9    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 1800               | 99.7                        | 99.7    | 99.8    | 99.9    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 1500               | 99.7                        | 99.7    | 99.8    | 99.9    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 1200               | 99.7                        | 99.7    | 99.8    | 99.9    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 1000               | 99.7                        | 99.7    | 99.8    | 99.9    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 900                | 99.7                        | 99.7    | 99.8    | 99.9    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 800                | 99.7                        | 99.7    | 99.8    | 99.9    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 700                | 99.7                        | 99.7    | 99.8    | 99.9    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 600                | 99.7                        | 99.7    | 99.8    | 99.9    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 500                | 99.7                        | 99.7    | 99.8    | 99.9    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 400                | 99.7                        | 99.7    | 99.8    | 99.9    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 300                | 99.7                        | 99.7    | 99.8    | 99.9    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 200                | 99.7                        | 99.7    | 99.8    | 99.9    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 100                | 99.7                        | 99.7    | 99.8    | 99.9    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 000                | 99.7                        | 99.7    | 99.8    | 99.9    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: OCT HOURS: 18-20

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 80.9                        | 80.9    | 80.9    | 80.9    | 80.9    | 80.9        | 80.9    | 80.9        | 80.9        | 80.9    | 80.9      | 80.9      | 80.9      | 80.9      | 80.9      | 80.9    |
| GE 20000              | 90.3                        | 90.3    | 90.3    | 90.3    | 90.3    | 90.3        | 90.3    | 90.3        | 90.3        | 90.3    | 90.3      | 90.3      | 90.3      | 90.3      | 90.3      | 90.3    |
| GE 18000              | 90.3                        | 90.3    | 90.3    | 90.3    | 90.3    | 90.3        | 90.3    | 90.3        | 90.3        | 90.3    | 90.3      | 90.3      | 90.3      | 90.3      | 90.3      | 90.3    |
| GE 16000              | 90.3                        | 90.3    | 90.3    | 90.3    | 90.3    | 90.3        | 90.3    | 90.3        | 90.3        | 90.3    | 90.3      | 90.3      | 90.3      | 90.3      | 90.3      | 90.3    |
| GE 14000              | 91.1                        | 91.1    | 91.1    | 91.1    | 91.1    | 91.1        | 91.1    | 91.1        | 91.1        | 91.1    | 91.1      | 91.1      | 91.1      | 91.1      | 91.1      | 91.1    |
| GE 12000              | 92.6                        | 92.6    | 92.6    | 92.6    | 92.6    | 92.6        | 92.6    | 92.6        | 92.6        | 92.6    | 92.6      | 92.6      | 92.6      | 92.6      | 92.6      | 92.6    |
| GE 10000              | 93.9                        | 93.9    | 93.9    | 93.9    | 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 9000               | 94.2                        | 94.2    | 94.2    | 94.2    | 94.2    | 94.2        | 94.2    | 94.2        | 94.2        | 94.2    | 94.2      | 94.2      | 94.2      | 94.2      | 94.2      | 94.2    |
| GE 8000               | 95.1                        | 95.1    | 95.1    | 95.1    | 95.1    | 95.1        | 95.1    | 95.1        | 95.1        | 95.1    | 95.1      | 95.1      | 95.1      | 95.1      | 95.1      | 95.1    |
| GE 7000               | 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      | 95.8      | 95.8    |
| GE 6000               | 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 5000               | 98.7                        | 98.7    | 98.8    | 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 4500               | 98.7                        | 98.7    | 98.8    | 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 4000               | 99.4                        | 99.4    | 99.5    | 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 3500               | 99.7                        | 99.7    | 99.8    | 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               | 99.7                        | 99.7    | 99.8    | 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 2500               | 99.7                        | 99.7    | 99.8    | 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 2000               | 99.7                        | 99.7    | 99.8    | 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 1800               | 99.7                        | 99.7    | 99.8    | 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 1500               | 99.7                        | 99.7    | 99.8    | 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 1200               | 99.7                        | 99.7    | 99.8    | 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 1000               | 99.7                        | 99.7    | 99.8    | 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 900                | 99.7                        | 99.7    | 99.8    | 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 800                | 99.7                        | 99.7    | 99.8    | 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 700                | 99.7                        | 99.7    | 99.8    | 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                | 99.7                        | 99.7    | 99.8    | 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                | 99.7                        | 99.7    | 99.8    | 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                | 99.7                        | 99.7    | 99.8    | 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                | 99.7                        | 99.7    | 99.8    | 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                | 99.7                        | 99.7    | 99.8    | 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                | 99.7                        | 99.7    | 99.8    | 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 000                | 99.7                        | 99.7    | 99.8    | 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 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: OCT HOURS: 21-23

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 83.7                        | 83.7    | 83.7    | 83.7    | 83.7    | 83.7        | 83.7    | 83.7        | 83.7        | 83.7    | 83.7      | 83.7      | 83.7      | 83.7      | 83.7      | 83.7    |
| GE 20000              | 89.5                        | 89.5    | 89.5    | 89.5    | 89.5    | 89.5        | 89.5    | 89.5        | 89.5        | 89.5    | 89.5      | 89.5      | 89.5      | 89.5      | 89.5      | 89.5    |
| GE 18000              | 8.5                         | 89.5    | 89.5    | 89.5    | 89.5    | 89.5        | 89.5    | 89.5        | 89.5        | 89.5    | 89.5      | 89.5      | 89.5      | 89.5      | 89.5      | 89.5    |
| GE 16000              | 89.5                        | 89.5    | 89.5    | 89.5    | 89.5    | 89.5        | 89.5    | 89.5        | 89.5        | 89.5    | 89.5      | 89.5      | 89.5      | 89.5      | 89.5      | 89.5    |
| GE 14000              | 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      | 90.1      | 90.1      | 90.1    |
| GE 12000              | 92.2                        | 92.2    | 92.2    | 92.2    | 92.2    | 92.2        | 92.2    | 92.2        | 92.2        | 92.2    | 92.2      | 92.2      | 92.2      | 92.2      | 92.2      | 92.2    |
| GE 10000              | 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 9000               | 94.9                        | 94.9    | 94.9    | 94.9    | 94.9    | 94.9        | 94.9    | 94.9        | 94.9        | 94.9    | 94.9      | 94.9      | 94.9      | 94.9      | 94.9      | 94.9    |
| GE 8000               | 95.4                        | 95.4    | 95.4    | 95.4    | 95.4    | 95.4        | 95.4    | 95.4        | 95.4        | 95.4    | 95.4      | 95.4      | 95.4      | 95.4      | 95.4      | 95.4    |
| GE 7000               | 96.1                        | 96.1    | 96.1    | 96.1    | 96.1    | 96.1        | 96.1    | 96.1        | 96.1        | 96.1    | 96.1      | 96.1      | 96.1      | 96.1      | 96.1      | 96.1    |
| GE 6000               | 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      | 97.5      | 97.5    |
| GE 5000               | 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 4500               | 99.4                        | 99.4    | 99.4    | 99.4    | 99.4    | 99.4        | 99.4    | 99.4        | 99.4        | 99.4    | 99.4      | 99.4      | 99.4      | 99.4      | 99.4      | 99.4    |
| GE 4000               | 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      | 99.6      | 99.6      | 99.6    |
| GE 3500               | 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 3000               | 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     | 100.0     | 100.0     | 100.0   |
| GE 2500               | 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     | 100.0     | 100.0     | 100.0   |
| GE 2000               | 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     | 100.0     | 100.0     | 100.0   |
| GE 1800               | 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     | 100.0     | 100.0     | 100.0   |
| GE 1500               | 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     | 100.0     | 100.0     | 100.0   |
| GE 1200               | 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     | 100.0     | 100.0     | 100.0   |
| GE 1000               | 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     | 100.0     | 100.0     | 100.0   |
| GE 900                | 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     | 100.0     | 100.0     | 100.0   |
| GE 800                | 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     | 100.0     | 100.0     | 100.0   |
| GE 700                | 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     | 100.0     | 100.0     | 100.0   |
| GE 600                | 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     | 100.0     | 100.0     | 100.0   |
| GE 500                | 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     | 100.0     | 100.0     | 100.0   |
| GE 400                | 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     | 100.0     | 100.0     | 100.0   |
| GE 300                | 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     | 100.0     | 100.0     | 100.0   |
| GE 200                | 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     | 100.0     | 100.0     | 100.0   |
| GE 100                | 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     | 100.0     | 100.0     | 100.0   |
| GE 000                | 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     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: OCT HOURS: ALL

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 82.2                        | 82.2    | 82.2    | 82.2    | 82.2    | 82.2        | 82.2    | 82.2        | 82.2        | 82.2    | 82.2      | 82.2      | 82.2      | 82.2      | 82.2      | 82.2    |
| GE 20000              | 89.1                        | 89.1    | 89.1    | 89.1    | 89.1    | 89.1        | 89.1    | 89.1        | 89.1        | 89.1    | 89.1      | 89.1      | 89.1      | 89.1      | 89.1      | 89.1    |
| GE 18000              | 89.1                        | 89.1    | 89.1    | 89.1    | 89.1    | 89.1        | 89.1    | 89.1        | 89.1        | 89.1    | 89.1      | 89.1      | 89.1      | 89.1      | 89.1      | 89.1    |
| GE 16000              | 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      | 89.2      | 89.2    |
| GE 14000              | 89.9                        | 89.9    | 89.9    | 89.9    | 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 12000              | 92.0                        | 92.0    | 92.0    | 92.0    | 92.0    | 92.0        | 92.0    | 92.0        | 92.0        | 92.0    | 92.0      | 92.0      | 92.0      | 92.0      | 92.0      | 92.0    |
| GE 10000              | 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      | 94.0      | 94.0    |
| GE 9000               | 94.2                        | 94.2    | 94.2    | 94.2    | 94.2    | 94.2        | 94.2    | 94.2        | 94.2        | 94.2    | 94.2      | 94.2      | 94.2      | 94.2      | 94.2      | 94.2    |
| GE 8000               | 94.6                        | 94.6    | 94.6    | 94.6    | 94.6    | 94.6        | 94.6    | 94.6        | 94.6        | 94.6    | 94.6      | 94.6      | 94.6      | 94.6      | 94.6      | 94.6    |
| GE 7000               | 95.6                        | 95.6    | 95.6    | 95.6    | 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 6000               | 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      | 97.5      | 97.5    |
| GE 5000               | 98.9                        | 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      | 99.0      | 99.0    |
| GE 4500               | 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      | 99.1    |
| GE 4000               | 99.5                        | 99.5    | 99.5    | 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 3500               | 99.5                        | 99.5    | 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      | 99.7    |
| GE 3000               | 99.7                        | 99.7    | 99.7    | 99.7    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 2500               | 99.7                        | 99.7    | 99.7    | 99.7    | 99.9    | 99.9        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 2000               | 99.7                        | 99.7    | 99.8    | 99.8    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 1800               | 99.7                        | 99.7    | 99.8    | 99.8    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 1500               | 99.7                        | 99.7    | 99.8    | 99.8    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 1200               | 99.7                        | 99.7    | 99.8    | 99.8    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 1000               | 99.7                        | 99.7    | 99.8    | 99.8    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 900                | 99.7                        | 99.7    | 99.8    | 99.8    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 800                | 99.7                        | 99.7    | 99.8    | 99.8    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 700                | 99.7                        | 99.7    | 99.8    | 99.8    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 600                | 99.7                        | 99.7    | 99.8    | 99.8    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 500                | 99.7                        | 99.7    | 99.8    | 99.8    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 400                | 99.7                        | 99.7    | 99.8    | 99.8    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 300                | 99.7                        | 99.7    | 99.8    | 99.8    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 200                | 99.7                        | 99.7    | 99.8    | 99.8    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 100                | 99.7                        | 99.7    | 99.8    | 99.8    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 000                | 99.7                        | 99.7    | 99.8    | 99.8    | 99.9    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBR OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: NOV HOURS: 00-02

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 84.1                        | 84.2    | 84.3    | 84.3    | 84.3    | 84.3        | 84.3    | 84.3        | 84.3        | 84.3    | 84.3      | 84.3      | 84.3      | 84.3      | 84.3      | 84.3    |
| GE 20000              | 86.7                        | 86.8    | 86.9    | 86.9    | 86.9    | 86.9        | 86.9    | 86.9        | 86.9        | 86.9    | 86.9      | 86.9      | 86.9      | 86.9      | 86.9      | 86.9    |
| GE 18000              | 86.7                        | 86.8    | 86.9    | 86.9    | 86.9    | 86.9        | 86.9    | 86.9        | 86.9        | 86.9    | 86.9      | 86.9      | 86.9      | 86.9      | 86.9      | 86.9    |
| GE 16000              | 86.9                        | 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      | 87.1    |
| GE 14000              | 87.9                        | 88.0    | 88.1    | 88.1    | 88.1    | 88.1        | 88.1    | 88.1        | 88.1        | 88.1    | 88.1      | 88.1      | 88.1      | 88.1      | 88.1      | 88.1    |
| GE 12000              | 90.2                        | 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      | 90.4      | 90.4    |
| GE 10000              | 92.1                        | 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      | 92.3    |
| GE 9000               | 92.1                        | 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      | 92.3    |
| GE 8000               | 92.7                        | 92.8    | 92.9    | 92.9    | 92.9    | 92.9        | 92.9    | 92.9        | 92.9        | 92.9    | 92.9      | 92.9      | 92.9      | 92.9      | 92.9      | 92.9    |
| GE 7000               | 93.4                        | 93.6    | 93.7    | 93.7    | 93.7    | 93.7        | 93.7    | 93.7        | 93.7        | 93.7    | 93.7      | 93.7      | 93.7      | 93.7      | 93.7      | 93.7    |
| GE 6000               | 94.6                        | 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      | 94.8    |
| GE 5000               | 96.9                        | 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      | 97.1    |
| GE 4500               | 97.0                        | 97.1    | 97.2    | 97.2    | 97.2    | 97.2        | 97.2    | 97.2        | 97.2        | 97.2    | 97.2      | 97.2      | 97.2      | 97.2      | 97.2      | 97.2    |
| GE 4000               | 97.9                        | 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      | 98.1      | 98.1    |
| GE 3500               | 99.0                        | 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      | 99.2      | 99.2    |
| GE 3000               | 99.3                        | 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      | 99.6      | 99.6    |
| GE 2500               | 99.4                        | 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    |
| GE 2000               | 99.4                        | 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    |
| GE 1800               | 99.4                        | 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    |
| GE 1500               | 99.4                        | 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      | 99.8    |
| GE 1200               | 99.4                        | 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      | 99.8    |
| GE 1000               | 99.4                        | 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      | 99.8    |
| GE 900                | 99.4                        | 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      | 99.8    |
| GE 800                | 99.4                        | 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      | 99.8    |
| GE 700                | 99.4                        | 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      | 99.8    |
| GE 600                | 99.4                        | 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      | 99.8    |
| GE 500                | 99.4                        | 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      | 99.8    |
| GE 400                | 99.4                        | 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      | 99.8    |
| GE 300                | 99.4                        | 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      | 99.8    |
| GE 200                | 99.4                        | 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      | 99.8    |
| GE 100                | 99.4                        | 99.6    | 99.7    | 99.7    | 99.7    | 99.8        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 000                | 99.4                        | 99.6    | 99.7    | 99.7    | 99.7    | 99.8        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 100.0     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: NOV HOURS: 03-05

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 82.3                        | 82.3    | 82.3    | 82.3    | 82.3    | 82.3        | 82.3    | 82.3        | 82.3        | 82.3    | 82.3      | 82.3      | 82.3      | 82.3      | 82.3      | 82.3    |
| GE 20000              | 85.4                        | 85.4    | 85.4    | 85.4    | 85.4    | 85.4        | 85.4    | 85.4        | 85.4        | 85.4    | 85.4      | 85.4      | 85.4      | 85.4      | 85.4      | 85.4    |
| GE 18000              | 85.4                        | 85.4    | 85.4    | 85.4    | 85.4    | 85.4        | 85.4    | 85.4        | 85.4        | 85.4    | 85.4      | 85.4      | 85.4      | 85.4      | 85.4      | 85.4    |
| GE 16000              | 85.4                        | 85.4    | 85.4    | 85.4    | 85.4    | 85.4        | 85.4    | 85.4        | 85.4        | 85.4    | 85.4      | 85.4      | 85.4      | 85.4      | 85.4      | 85.4    |
| GE 14000              | 86.3                        | 86.3    | 86.3    | 86.3    | 86.3    | 86.3        | 86.3    | 86.3        | 86.3        | 86.3    | 86.3      | 86.3      | 86.3      | 86.3      | 86.3      | 86.3    |
| GE 12000              | 89.6                        | 89.6    | 89.6    | 89.6    | 89.6    | 89.6        | 89.6    | 89.6        | 89.6        | 89.6    | 89.6      | 89.6      | 89.6      | 89.6      | 89.6      | 89.6    |
| GE 10000              | 91.1                        | 91.1    | 91.1    | 91.1    | 91.1    | 91.1        | 91.1    | 91.1        | 91.1        | 91.1    | 91.1      | 91.1      | 91.1      | 91.1      | 91.1      | 91.1    |
| GE 9000               | 91.1                        | 91.1    | 91.1    | 91.1    | 91.1    | 91.1        | 91.1    | 91.1        | 91.1        | 91.1    | 91.1      | 91.1      | 91.1      | 91.1      | 91.1      | 91.1    |
| GE 8000               | 92.3                        | 92.3    | 92.3    | 92.3    | 92.3    | 92.3        | 92.3    | 92.3        | 92.3        | 92.3    | 92.3      | 92.3      | 92.3      | 92.3      | 92.3      | 92.3    |
| GE 7000               | 92.9                        | 92.9    | 92.9    | 92.9    | 92.9    | 92.9        | 92.9    | 92.9        | 92.9        | 92.9    | 92.9      | 92.9      | 92.9      | 92.9      | 92.9      | 92.9    |
| GE 6000               | 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      | 94.8      | 94.8    |
| GE 5000               | 96.6                        | 96.6    | 96.6    | 96.6    | 96.6    | 96.6        | 96.6    | 96.6        | 96.6        | 96.6    | 96.6      | 96.6      | 96.6      | 96.6      | 96.6      | 96.6    |
| GE 4500               | 97.0                        | 97.0    | 97.0    | 97.0    | 97.0    | 97.0        | 97.0    | 97.0        | 97.0        | 97.0    | 97.0      | 97.0      | 97.0      | 97.0      | 97.0      | 97.0    |
| GE 4000               | 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      | 98.0      | 98.0    |
| GE 3500               | 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 3000               | 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 2500               | 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 2000               | 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 1800               | 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 1500               | 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               | 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               | 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                | 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                | 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                | 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 600                | 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 500                | 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 400                | 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 300                | 99.3                        | 99.3    | 99.3    | 99.3    | 99.3    | 99.3        | 99.3    | 99.3        | 99.3        | 99.6    | 99.6      | 99.6      | 99.6      | 99.6      | 99.6      | 99.7    |
| GE 200                | 99.3                        | 99.3    | 99.3    | 99.3    | 99.3    | 99.3        | 99.3    | 99.3        | 99.3        | 99.6    | 99.6      | 99.6      | 99.6      | 99.6      | 99.6      | 99.7    |
| GE 100                | 99.3                        | 99.3    | 99.3    | 99.3    | 99.3    | 99.3        | 99.3    | 99.3        | 99.3        | 99.6    | 99.6      | 99.6      | 99.7      | 99.7      | 99.7      | 99.9    |
| GE 000                | 99.3                        | 99.3    | 99.3    | 99.3    | 99.3    | 99.3        | 99.3    | 99.3        | 99.3        | 99.6    | 99.6      | 99.6      | 99.7      | 99.7      | 99.7      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 900



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: +7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: NOV HOURS: 06-08

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 80.1                        | 80.1    | 80.1    | 80.1    | 80.1    | 80.1        | 80.1    | 80.1        | 80.1        | 80.1    | 80.1      | 80.1      | 80.1      | 80.1      | 80.1      | 80.1    |
| GE 20000              | 83.2                        | 83.2    | 83.2    | 83.2    | 83.2    | 83.2        | 83.2    | 83.2        | 83.2        | 83.2    | 83.2      | 83.2      | 83.2      | 83.2      | 83.2      | 83.2    |
| GE 18000              | 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      | 83.6      | 83.6      | 83.6    |
| GE 16000              | 83.7                        | 83.7    | 83.7    | 83.7    | 83.7    | 83.7        | 83.7    | 83.7        | 83.7        | 83.7    | 83.7      | 83.7      | 83.7      | 83.7      | 83.7      | 83.7    |
| GE 14000              | 84.1                        | 84.1    | 84.1    | 84.1    | 84.1    | 84.1        | 84.1    | 84.1        | 84.1        | 84.1    | 84.1      | 84.1      | 84.1      | 84.1      | 84.1      | 84.1    |
| GE 12000              | 88.9                        | 88.9    | 88.9    | 88.9    | 88.9    | 88.9        | 88.9    | 88.9        | 88.9        | 88.9    | 88.9      | 88.9      | 88.9      | 88.9      | 88.9      | 88.9    |
| GE 10000              | 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      | 90.8      | 90.8      | 90.8    |
| GE 9000               | 91.0                        | 91.0    | 91.0    | 91.0    | 91.0    | 91.0        | 91.0    | 91.0        | 91.0        | 91.0    | 91.0      | 91.0      | 91.0      | 91.0      | 91.0      | 91.0    |
| GE 8000               | 91.8                        | 91.8    | 91.8    | 91.8    | 91.8    | 91.8        | 91.8    | 91.8        | 91.8        | 91.8    | 91.8      | 91.8      | 91.8      | 91.8      | 91.8      | 91.8    |
| GE 7000               | 92.3                        | 92.3    | 92.3    | 92.4    | 92.4    | 92.4        | 92.4    | 92.4        | 92.4        | 92.4    | 92.4      | 92.4      | 92.4      | 92.4      | 92.4      | 92.4    |
| GE 6000               | 94.1                        | 94.1    | 94.1    | 94.2    | 94.2    | 94.2        | 94.2    | 94.2        | 94.2        | 94.2    | 94.2      | 94.2      | 94.2      | 94.2      | 94.2      | 94.2    |
| GE 5000               | 96.9                        | 96.9    | 96.9    | 97.0    | 97.0    | 97.0        | 97.0    | 97.0        | 97.0        | 97.0    | 97.0      | 97.0      | 97.0      | 97.0      | 97.0      | 97.0    |
| GE 4500               | 97.3                        | 97.3    | 97.3    | 97.4    | 97.4    | 97.4        | 97.4    | 97.4        | 97.4        | 97.4    | 97.4      | 97.4      | 97.4      | 97.4      | 97.4      | 97.4    |
| GE 4000               | 98.0                        | 98.0    | 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      | 98.2    |
| GE 3500               | 98.4                        | 98.4    | 98.4    | 98.6    | 98.6    | 98.6        | 98.6    | 98.6        | 98.6        | 98.7    | 98.7      | 98.7      | 98.7      | 98.7      | 98.7      | 98.7    |
| GE 3000               | 98.8                        | 98.8    | 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    |
| GE 2500               | 99.0                        | 99.0    | 99.0    | 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    |
| GE 2000               | 99.1                        | 99.2    | 99.2    | 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    |
| GE 1800               | 99.1                        | 99.2    | 99.2    | 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    |
| GE 1500               | 99.1                        | 99.2    | 99.2    | 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    |
| GE 1200               | 99.1                        | 99.2    | 99.2    | 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    |
| GE 1000               | 99.1                        | 99.2    | 99.2    | 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    |
| GE 900                | 99.1                        | 99.2    | 99.2    | 99.3    | 99.3    | 99.4        | 99.4    | 99.4        | 99.4        | 99.6    | 99.6      | 99.6      | 99.6      | 99.6      | 99.6      | 99.6    |
| GE 800                | 99.1                        | 99.2    | 99.2    | 99.3    | 99.3    | 99.4        | 99.4    | 99.4        | 99.4        | 99.6    | 99.6      | 99.6      | 99.6      | 99.6      | 99.6      | 99.6    |
| GE 700                | 99.1                        | 99.2    | 99.2    | 99.3    | 99.3    | 99.6        | 99.6    | 99.6        | 99.6        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 600                | 99.1                        | 99.2    | 99.2    | 99.3    | 99.3    | 99.6        | 99.6    | 99.6        | 99.6        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 500                | 99.1                        | 99.2    | 99.2    | 99.3    | 99.3    | 99.6        | 99.6    | 99.6        | 99.6        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.8    |
| GE 400                | 99.1                        | 99.2    | 99.2    | 99.3    | 99.3    | 99.7        | 99.7    | 99.7        | 99.7        | 99.8    | 99.8      | 99.8      | 99.8      | 99.8      | 99.8      | 99.9    |
| GE 300                | 99.1                        | 99.2    | 99.2    | 99.3    | 99.3    | 99.7        | 99.8    | 99.8        | 99.8        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 100.0   |
| GE 200                | 99.1                        | 99.2    | 99.2    | 99.3    | 99.3    | 99.7        | 99.8    | 99.8        | 99.8        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 100.0   |
| GE 100                | 99.1                        | 99.2    | 99.2    | 99.3    | 99.3    | 99.7        | 99.8    | 99.8        | 99.8        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 100.0   |
| GE 000                | 99.1                        | 99.2    | 99.2    | 99.3    | 99.3    | 99.7        | 99.8    | 99.8        | 99.8        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: NOV HOURS: 09 11

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 78.4                        | 78.4    | 78.4    | 78.4    | 78.4    | 78.4        | 78.4    | 78.4        | 78.4        | 78.4    | 78.4      | 78.4      | 78.4      | 78.4      | 78.4      | 78.4    |
| GE 20000              | 85.4                        | 85.4    | 85.4    | 85.4    | 85.4    | 85.4        | 85.4    | 85.4        | 85.4        | 85.4    | 85.4      | 85.4      | 85.4      | 85.4      | 85.4      | 85.4    |
| GE 18000              | 85.7                        | 85.7    | 85.7    | 85.7    | 85.7    | 85.7        | 85.7    | 85.7        | 85.7        | 85.7    | 85.7      | 85.7      | 85.7      | 85.7      | 85.7      | 85.7    |
| GE 16000              | 85.8                        | 85.8    | 85.8    | 85.8    | 85.8    | 85.8        | 85.8    | 85.8        | 85.8        | 85.8    | 85.8      | 85.8      | 85.8      | 85.8      | 85.8      | 85.8    |
| GE 14000              | 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      | 87.0      | 87.0      | 87.0    |
| GE 12000              | 90.2                        | 90.2    | 90.2    | 90.2    | 90.2    | 90.2        | 90.2    | 90.2        | 90.2        | 90.2    | 90.2      | 90.2      | 90.2      | 90.2      | 90.2      | 90.2    |
| GE 10000              | 91.2                        | 91.2    | 91.2    | 91.2    | 91.2    | 91.2        | 91.2    | 91.2        | 91.2        | 91.2    | 91.2      | 91.2      | 91.2      | 91.2      | 91.2      | 91.2    |
| GE 9000               | 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      | 91.4      | 91.4      | 91.4    |
| GE 8000               | 92.8                        | 92.8    | 92.8    | 92.8    | 92.8    | 92.8        | 92.8    | 92.8        | 92.8        | 92.8    | 92.8      | 92.8      | 92.8      | 92.8      | 92.8      | 92.8    |
| GE 7000               | 93.0                        | 93.0    | 93.0    | 93.0    | 93.0    | 93.0        | 93.0    | 93.0        | 93.0        | 93.0    | 93.0      | 93.0      | 93.0      | 93.0      | 93.0      | 93.0    |
| GE 6000               | 95.6                        | 95.6    | 95.6    | 95.6    | 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 5000               | 97.8                        | 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      | 97.9      | 97.9    |
| GE 4500               | 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      | 98.2      | 98.2      | 98.2    |
| GE 4000               | 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      | 98.7      | 98.7    |
| GE 3500               | 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      | 99.0      | 99.0      | 99.0    |
| GE 3000               | 99.0                        | 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      | 99.2      | 99.2    |
| GE 2500               | 99.2                        | 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      | 99.4    |
| GE 2000               | 99.2                        | 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      | 99.4    |
| GE 1800               | 99.2                        | 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      | 99.4    |
| GE 1500               | 99.3                        | 99.4    | 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      | 99.7    |
| GE 1200               | 99.3                        | 99.4    | 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      | 99.7    |
| GE 1000               | 99.4                        | 99.6    | 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 900                | 99.4                        | 99.6    | 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 800                | 99.4                        | 99.6    | 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 700                | 99.4                        | 99.6    | 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                | 99.4                        | 99.6    | 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                | 99.4                        | 99.6    | 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                | 99.4                        | 99.6    | 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                | 99.4                        | 99.6    | 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                | 99.4                        | 99.6    | 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                | 99.4                        | 99.6    | 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 000                | 99.4                        | 99.6    | 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 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: NOV HOURS: 12-14

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 77.4                        | 77.4    | 77.4    | 77.4    | 77.4    | 77.4        | 77.4    | 77.4        | 77.4        | 77.4    | 77.4      | 77.4      | 77.4      | 77.4      | 77.4      | 77.4    |
| GE 20000              | 85.8                        | 85.8    | 85.8    | 85.8    | 85.8    | 85.8        | 85.8    | 85.8        | 85.8        | 85.8    | 85.8      | 85.8      | 85.8      | 85.8      | 85.8      | 85.8    |
| GE 18000              | 86.4                        | 86.4    | 86.4    | 86.4    | 86.4    | 86.4        | 86.4    | 86.4        | 86.4        | 86.4    | 86.4      | 86.4      | 86.4      | 86.4      | 86.4      | 86.4    |
| GE 16000              | 86.4                        | 86.4    | 86.4    | 86.4    | 86.4    | 86.4        | 86.4    | 86.4        | 86.4        | 86.4    | 86.4      | 86.4      | 86.4      | 86.4      | 86.4      | 86.4    |
| GE 14000              | 87.4                        | 87.4    | 87.4    | 87.4    | 87.4    | 87.4        | 87.4    | 87.4        | 87.4        | 87.4    | 87.4      | 87.4      | 87.4      | 87.4      | 87.4      | 87.4    |
| GE 12000              | 90.3                        | 90.3    | 90.3    | 90.3    | 90.3    | 90.3        | 90.3    | 90.3        | 90.3        | 90.3    | 90.3      | 90.3      | 90.3      | 90.3      | 90.3      | 90.3    |
| GE 10000              | 91.9                        | 91.9    | 91.9    | 91.9    | 91.9    | 91.9        | 91.9    | 91.9        | 91.9        | 91.9    | 91.9      | 91.9      | 91.9      | 91.9      | 91.9      | 91.9    |
| GE 9000               | 92.0                        | 92.0    | 92.0    | 92.0    | 92.0    | 92.0        | 92.0    | 92.0        | 92.0        | 92.0    | 92.0      | 92.0      | 92.0      | 92.0      | 92.0      | 92.0    |
| GE 8000               | 92.7                        | 92.7    | 92.7    | 92.7    | 92.7    | 92.7        | 92.7    | 92.7        | 92.7        | 92.7    | 92.7      | 92.7      | 92.7      | 92.7      | 92.7      | 92.7    |
| GE 7000               | 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      | 93.4      | 93.4      | 93.4    |
| GE 6000               | 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 5000               | 97.7                        | 97.7    | 97.7    | 97.7    | 97.7    | 97.7        | 97.7    | 97.7        | 97.7        | 97.7    | 97.7      | 97.7      | 97.7      | 97.7      | 97.7      | 97.7    |
| GE 4500               | 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      | 98.0      | 98.0    |
| GE 4000               | 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      | 98.8      | 98.8    |
| GE 3500               | 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      | 99.3      | 99.3    |
| GE 3000               | 99.3                        | 99.4    | 99.4    | 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 2500               | 99.3                        | 99.4    | 99.4    | 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 2000               | 99.4                        | 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      | 99.7      | 99.7    |
| GE 1800               | 99.4                        | 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      | 99.7      | 99.7    |
| GE 1500               | 99.4                        | 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      | 99.7      | 99.7    |
| GE 1200               | 99.4                        | 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      | 99.7      | 99.7    |
| GE 1000               | 99.4                        | 99.6    | 99.6    | 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    |
| GE 900                | 99.4                        | 99.6    | 99.6    | 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    |
| GE 800                | 99.4                        | 99.6    | 99.6    | 99.6    | 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                | 99.4                        | 99.6    | 99.6    | 99.6    | 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                | 99.4                        | 99.6    | 99.6    | 99.6    | 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                | 99.4                        | 99.6    | 99.6    | 99.6    | 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                | 99.4                        | 99.6    | 99.6    | 99.6    | 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                | 99.4                        | 99.6    | 99.6    | 99.6    | 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                | 99.4                        | 99.6    | 99.6    | 99.6    | 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                | 99.4                        | 99.6    | 99.6    | 99.6    | 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 000                | 99.4                        | 99.6    | 99.6    | 99.6    | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: NOV HOURS: 15-17

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 77.2                        | 77.2    | 77.2    | 77.2    | 77.2    | 77.2        | 77.2    | 77.2        | 77.2        | 77.2    | 77.2      | 77.2      | 77.2      | 77.2      | 77.2      | 77.2    |
| GE 20000              | 87.2                        | 87.2    | 87.2    | 87.2    | 87.2    | 87.2        | 87.2    | 87.2        | 87.2        | 87.2    | 87.2      | 87.2      | 87.2      | 87.2      | 87.2      | 87.2    |
| GE 18000              | 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      | 87.3      | 87.3      | 87.3    |
| GE 16000              | 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      | 87.3      | 87.3      | 87.3    |
| GE 14000              | 88.2                        | 88.2    | 88.2    | 88.2    | 88.2    | 88.2        | 88.2    | 88.2        | 88.2        | 88.2    | 88.2      | 88.2      | 88.2      | 88.2      | 88.2      | 88.2    |
| GE 12000              | 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      | 90.4      | 90.4    |
| GE 10000              | 92.7                        | 92.7    | 92.7    | 92.7    | 92.7    | 92.7        | 92.7    | 92.7        | 92.7        | 92.7    | 92.7      | 92.7      | 92.7      | 92.7      | 92.7      | 92.7    |
| GE 9000               | 92.8                        | 92.8    | 92.8    | 92.8    | 92.8    | 92.8        | 92.8    | 92.8        | 92.8        | 92.8    | 92.8      | 92.8      | 92.8      | 92.8      | 92.8      | 92.8    |
| GE 8000               | 93.2                        | 93.2    | 93.2    | 93.2    | 93.2    | 93.2        | 93.2    | 93.2        | 93.2        | 93.2    | 93.2      | 93.2      | 93.2      | 93.2      | 93.2      | 93.2    |
| GE 7000               | 94.1                        | 94.1    | 94.1    | 94.1    | 94.1    | 94.1        | 94.1    | 94.1        | 94.1        | 94.1    | 94.1      | 94.1      | 94.1      | 94.1      | 94.1      | 94.1    |
| GE 6000               | 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      | 95.8      | 95.8    |
| GE 5000               | 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      | 98.2      | 98.2      | 98.2    |
| GE 4500               | 98.3                        | 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      | 98.4      | 98.4    |
| GE 4000               | 99.0                        | 99.0    | 99.1    | 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 3500               | 99.2                        | 99.2    | 99.3    | 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 3000               | 99.4                        | 99.4    | 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      | 99.7    |
| GE 2500               | 99.4                        | 99.4    | 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      | 99.7    |
| GE 2000               | 99.4                        | 99.4    | 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      | 99.7    |
| GE 1800               | 99.4                        | 99.4    | 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      | 99.7    |
| GE 1500               | 99.4                        | 99.4    | 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      | 99.7    |
| GE 1200               | 99.4                        | 99.4    | 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      | 99.7    |
| GE 1000               | 99.4                        | 99.4    | 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      | 99.7    |
| GE 900                | 99.6                        | 99.6    | 99.7    | 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                | 99.6                        | 99.6    | 99.7    | 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   |
| GE 700                | 99.6                        | 99.6    | 99.7    | 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   |
| GE 600                | 99.6                        | 99.6    | 99.7    | 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   |
| GE 500                | 99.6                        | 99.6    | 99.7    | 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   |
| GE 400                | 99.6                        | 99.6    | 99.7    | 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   |
| GE 300                | 99.6                        | 99.6    | 99.7    | 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   |
| GE 200                | 99.6                        | 99.6    | 99.7    | 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   |
| GE 100                | 99.6                        | 99.6    | 99.7    | 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   |
| GE 000                | 99.6                        | 99.6    | 99.7    | 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   |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: NOV HOURS: 18-20

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 82.1                        | 82.1    | 82.1    | 82.1    | 82.1    | 82.1        | 82.1    | 82.1        | 82.1        | 82.1    | 82.1      | 82.1      | 82.1      | 82.1      | 82.1      | 82.1    |
| GE 20000              | 87.2                        | 87.2    | 87.2    | 87.2    | 87.2    | 87.2        | 87.2    | 87.2        | 87.2        | 87.2    | 87.2      | 87.2      | 87.2      | 87.2      | 87.2      | 87.2    |
| GE 18000              | 87.2                        | 87.2    | 87.2    | 87.2    | 87.2    | 87.2        | 87.2    | 87.2        | 87.2        | 87.2    | 87.2      | 87.2      | 87.2      | 87.2      | 87.2      | 87.2    |
| GE 16000              | 87.2                        | 87.2    | 87.2    | 87.2    | 87.2    | 87.2        | 87.2    | 87.2        | 87.2        | 87.2    | 87.2      | 87.2      | 87.2      | 87.2      | 87.2      | 87.2    |
| GE 14000              | 88.9                        | 88.9    | 88.9    | 88.9    | 88.9    | 88.9        | 88.9    | 88.9        | 88.9        | 88.9    | 88.9      | 88.9      | 88.9      | 88.9      | 88.9      | 88.9    |
| GE 12000              | 91.3                        | 91.3    | 91.3    | 91.3    | 91.3    | 91.3        | 91.3    | 91.3        | 91.3        | 91.3    | 91.3      | 91.3      | 91.3      | 91.3      | 91.3      | 91.3    |
| GE 10000              | 93.3                        | 93.3    | 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      | 93.4    |
| GE 9000               | 93.4                        | 93.4    | 93.6    | 93.6    | 93.6    | 93.6        | 93.6    | 93.6        | 93.6        | 93.6    | 93.6      | 93.6      | 93.6      | 93.6      | 93.6      | 93.6    |
| GE 8000               | 94.1                        | 94.1    | 94.2    | 94.2    | 94.2    | 94.2        | 94.2    | 94.2        | 94.2        | 94.2    | 94.2      | 94.2      | 94.2      | 94.2      | 94.2      | 94.2    |
| GE 7000               | 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      | 95.7    |
| GE 6000               | 96.3                        | 96.3    | 96.6    | 96.6    | 96.6    | 96.6        | 96.6    | 96.6        | 96.6        | 96.6    | 96.6      | 96.6      | 96.6      | 96.6      | 96.6      | 96.6    |
| GE 5000               | 98.0                        | 98.0    | 98.2    | 98.3    | 98.3    | 98.3        | 98.3    | 98.3        | 98.3        | 98.3    | 98.3      | 98.3      | 98.3      | 98.3      | 98.3      | 98.3    |
| GE 4500               | 98.1                        | 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      | 98.4    |
| GE 4000               | 98.6                        | 98.6    | 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      | 99.0    |
| GE 3500               | 99.0                        | 99.0    | 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      | 99.4    |
| GE 3000               | 99.2                        | 99.2    | 99.4    | 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               | 99.3                        | 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 2000               | 99.4                        | 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      | 99.9    |
| GE 1800               | 99.4                        | 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      | 99.9    |
| GE 1500               | 99.4                        | 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      | 99.9    |
| GE 1200               | 99.6                        | 99.6    | 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     | 100.0   |
| GE 1000               | 99.6                        | 99.6    | 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     | 100.0   |
| GE 900                | 99.6                        | 99.6    | 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     | 100.0   |
| GE 800                | 99.6                        | 99.6    | 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     | 100.0   |
| GE 700                | 99.6                        | 99.6    | 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     | 100.0   |
| GE 600                | 99.6                        | 99.6    | 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     | 100.0   |
| GE 500                | 99.6                        | 99.6    | 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     | 100.0   |
| GE 400                | 99.6                        | 99.6    | 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     | 100.0   |
| GE 300                | 99.6                        | 99.6    | 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     | 100.0   |
| GE 200                | 99.6                        | 99.6    | 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     | 100.0   |
| GE 100                | 99.6                        | 99.6    | 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     | 100.0   |
| GE 000                | 99.6                        | 99.6    | 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     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: NOV HOURS: 21-23

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 83.1                        | 83.2    | 83.2    | 83.2    | 83.2    | 83.2        | 83.2    | 83.2        | 83.2        | 83.2    | 83.2      | 83.2      | 83.2      | 83.2      | 83.2      | 83.2    |
| GE 20000              | 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      | 87.4      | 87.4      | 87.4    |
| GE 18000              | 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      | 87.4      | 87.4      | 87.4    |
| GE 16000              | 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      | 87.4      | 87.4      | 87.4    |
| GE 14000              | 88.4                        | 88.6    | 88.6    | 88.6    | 88.6    | 88.6        | 88.6    | 88.6        | 88.6        | 88.6    | 88.6      | 88.6      | 88.6      | 88.6      | 88.6      | 88.6    |
| GE 12000              | 90.2                        | 90.3    | 90.3    | 90.3    | 90.3    | 90.3        | 90.3    | 90.3        | 90.3        | 90.3    | 90.3      | 90.3      | 90.3      | 90.3      | 90.3      | 90.3    |
| GE 10000              | 91.6                        | 91.7    | 91.7    | 91.7    | 91.7    | 91.7        | 91.7    | 91.7        | 91.7        | 91.7    | 91.7      | 91.7      | 91.7      | 91.7      | 91.7      | 91.7    |
| GE 9000               | 91.8                        | 91.9    | 91.9    | 91.9    | 91.9    | 91.9        | 91.9    | 91.9        | 91.9        | 91.9    | 91.9      | 91.9      | 91.9      | 91.9      | 91.9      | 91.9    |
| GE 8000               | 92.7                        | 92.9    | 92.9    | 92.9    | 92.9    | 92.9        | 92.9    | 92.9        | 92.9        | 92.9    | 92.9      | 92.9      | 92.9      | 92.9      | 92.9      | 92.9    |
| GE 7000               | 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      | 94.1    |
| GE 6000               | 95.7                        | 95.9    | 95.9    | 95.9    | 95.9    | 95.9        | 95.9    | 95.9        | 95.9        | 95.9    | 95.9      | 95.9      | 95.9      | 95.9      | 95.9      | 95.9    |
| GE 5000               | 97.4                        | 97.7    | 97.7    | 97.7    | 97.7    | 97.7        | 97.7    | 97.7        | 97.7        | 97.7    | 97.7      | 97.7      | 97.7      | 97.7      | 97.7      | 97.7    |
| GE 4500               | 97.4                        | 97.7    | 97.7    | 97.7    | 97.7    | 97.7        | 97.7    | 97.7        | 97.7        | 97.7    | 97.7      | 97.7      | 97.7      | 97.7      | 97.7      | 97.7    |
| GE 4000               | 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      | 98.6      | 98.6      | 98.6    |
| GE 3500               | 98.7                        | 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 3000               | 99.1                        | 99.3    | 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               | 99.3                        | 99.6    | 99.6    | 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 2000               | 99.3                        | 99.6    | 99.6    | 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 1800               | 99.3                        | 99.6    | 99.6    | 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 1500               | 99.3                        | 99.6    | 99.6    | 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 1200               | 99.3                        | 99.6    | 99.6    | 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               | 99.4                        | 99.7    | 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     | 100.0   |
| GE 900                | 99.4                        | 99.7    | 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     | 100.0   |
| GE 800                | 99.4                        | 99.7    | 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     | 100.0   |
| GE 700                | 99.4                        | 99.7    | 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     | 100.0   |
| GE 600                | 99.4                        | 99.7    | 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     | 100.0   |
| GE 500                | 99.4                        | 99.7    | 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     | 100.0   |
| GE 400                | 99.4                        | 99.7    | 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     | 100.0   |
| GE 300                | 99.4                        | 99.7    | 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     | 100.0   |
| GE 200                | 99.4                        | 99.7    | 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     | 100.0   |
| GE 100                | 99.4                        | 99.7    | 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     | 100.0   |
| GE 000                | 99.4                        | 99.7    | 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     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: NOV HOURS: ALL

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 80.6                        | 80.6    | 80.7    | 80.7    | 80.7    | 80.7        | 80.7    | 80.7        | 80.7        | 80.7    | 80.7      | 80.7      | 80.7      | 80.7      | 80.7      | 80.7    |
| GE 20000              | 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      | 86.1      | 86.1    |
| GE 18000              | 86.2                        | 86.2    | 86.3    | 86.3    | 86.3    | 86.3        | 86.3    | 86.3        | 86.3        | 86.3    | 86.3      | 86.3      | 86.3      | 86.3      | 86.3      | 86.3    |
| GE 16000              | 86.3                        | 86.3    | 86.3    | 86.3    | 86.3    | 86.3        | 86.3    | 86.3        | 86.3        | 86.3    | 86.3      | 86.3      | 86.3      | 86.3      | 86.3      | 86.3    |
| GE 14000              | 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      | 87.3      | 87.3      | 87.3    |
| GE 12000              | 90.2                        | 90.2    | 90.2    | 90.2    | 90.2    | 90.2        | 90.2    | 90.2        | 90.2        | 90.2    | 90.2      | 90.2      | 90.2      | 90.2      | 90.2      | 90.2    |
| GE 10000              | 91.8                        | 91.9    | 91.9    | 91.9    | 91.9    | 91.9        | 91.9    | 91.9        | 91.9        | 91.9    | 91.9      | 91.9      | 91.9      | 91.9      | 91.9      | 91.9    |
| GE 9000               | 92.0                        | 92.0    | 92.0    | 92.0    | 92.0    | 92.0        | 92.0    | 92.0        | 92.0        | 92.0    | 92.0      | 92.0      | 92.0      | 92.0      | 92.0      | 92.0    |
| GE 8000               | 92.8                        | 92.8    | 92.8    | 92.8    | 92.8    | 92.8        | 92.8    | 92.8        | 92.8        | 92.8    | 92.8      | 92.8      | 92.8      | 92.8      | 92.8      | 92.8    |
| GE 7000               | 93.6                        | 93.6    | 93.7    | 93.7    | 93.7    | 93.7        | 93.7    | 93.7        | 93.7        | 93.7    | 93.7      | 93.7      | 93.7      | 93.7      | 93.7      | 93.7    |
| GE 6000               | 95.2                        | 95.2    | 95.3    | 95.3    | 95.3    | 95.3        | 95.3    | 95.3        | 95.3        | 95.3    | 95.3      | 95.3      | 95.3      | 95.3      | 95.3      | 95.3    |
| GE 5000               | 97.4                        | 97.5    | 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 4500               | 97.7                        | 97.7    | 97.8    | 97.8    | 97.8    | 97.8        | 97.8    | 97.8        | 97.8        | 97.8    | 97.8      | 97.8      | 97.8      | 97.8      | 97.8      | 97.8    |
| GE 4000               | 98.4                        | 98.4    | 98.5    | 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    |
| GE 3500               | 98.9                        | 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      | 99.1      | 99.1    |
| GE 3000               | 99.2                        | 99.3    | 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               | 99.3                        | 99.4    | 99.4    | 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    |
| GE 2000               | 99.3                        | 99.4    | 99.5    | 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 1800               | 99.3                        | 99.4    | 99.5    | 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 1500               | 99.4                        | 99.4    | 99.5    | 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 1200               | 99.4                        | 99.5    | 99.5    | 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 1000               | 99.4                        | 99.5    | 99.6    | 99.6    | 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 900                | 99.4                        | 99.5    | 99.6    | 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                | 99.4                        | 99.5    | 99.6    | 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                | 99.4                        | 99.5    | 99.6    | 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                | 99.4                        | 99.5    | 99.6    | 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                | 99.4                        | 99.5    | 99.6    | 99.7    | 99.8    | 99.8        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.8      | 99.8      | 99.9    |
| GE 400                | 99.4                        | 99.5    | 99.6    | 99.7    | 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                | 99.4                        | 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      | 99.9      | 99.9    |
| GE 200                | 99.4                        | 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      | 99.9      | 99.9    |
| GE 100                | 99.4                        | 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      | 99.9      | 100.0   |
| GE 000                | 99.4                        | 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      | 99.9      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: DEC HOURS: 00-02

| CEILING    |         | VISIBILITY IN STATUTE MILES |         |         |         |             |         |             |             |         |           |           |           |           |           |         |  |
|------------|---------|-----------------------------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|--|
| IN<br>FEET | GE<br>7 | GE<br>6                     | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |  |
| NO CEIL    | 79.9    | 79.9                        | 80.0    | 80.1    | 80.1    | 80.1        | 80.1    | 80.1        | 80.1        | 80.1    | 80.1      | 80.1      | 80.1      | 80.1      | 80.1      | 80.1    |  |
| GE 20000   | 83.9    | 83.9                        | 84.0    | 84.1    | 84.1    | 84.1        | 84.1    | 84.1        | 84.1        | 84.1    | 84.1      | 84.1      | 84.1      | 84.1      | 84.1      | 84.1    |  |
| GE 18000   | 84.2    | 84.2                        | 84.3    | 84.4    | 84.4    | 84.4        | 84.4    | 84.4        | 84.4        | 84.4    | 84.4      | 84.4      | 84.4      | 84.4      | 84.4      | 84.4    |  |
| GE 16000   | 84.2    | 84.2                        | 84.3    | 84.4    | 84.4    | 84.4        | 84.4    | 84.4        | 84.4        | 84.4    | 84.4      | 84.4      | 84.4      | 84.4      | 84.4      | 84.4    |  |
| GE 14000   | 84.8    | 84.8                        | 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      | 85.1    |  |
| GE 12000   | 87.1    | 87.1                        | 87.2    | 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 10000   | 88.5    | 88.5                        | 88.6    | 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 9000    | 88.8    | 88.8                        | 88.9    | 89.0    | 89.0    | 89.0        | 89.0    | 89.0        | 89.0        | 89.0    | 89.0      | 89.0      | 89.0      | 89.0      | 89.0      | 89.0    |  |
| GE 8000    | 90.1    | 90.1                        | 90.2    | 90.3    | 90.3    | 90.3        | 90.3    | 90.3        | 90.3        | 90.3    | 90.3      | 90.3      | 90.3      | 90.3      | 90.3      | 90.3    |  |
| GE 7000    | 91.2    | 91.2                        | 91.3    | 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 6000    | 91.9    | 91.9                        | 92.0    | 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 5000    | 93.0    | 93.0                        | 93.1    | 93.3    | 93.3    | 93.3        | 93.3    | 93.3        | 93.3        | 93.3    | 93.3      | 93.3      | 93.3      | 93.3      | 93.3      | 93.3    |  |
| GE 4500    | 93.8    | 93.8                        | 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    |  |
| GE 4000    | 95.8    | 95.8                        | 95.9    | 96.1    | 96.1    | 96.1        | 96.1    | 96.1        | 96.1        | 96.1    | 96.1      | 96.1      | 96.1      | 96.1      | 96.1      | 96.1    |  |
| GE 3500    | 97.1    | 97.1                        | 97.2    | 97.4    | 97.4    | 97.4        | 97.4    | 97.4        | 97.4        | 97.4    | 97.4      | 97.4      | 97.4      | 97.4      | 97.4      | 97.4    |  |
| GE 3000    | 97.6    | 97.6                        | 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    |  |
| GE 2500    | 98.2    | 98.2                        | 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    |  |
| GE 2000    | 98.4    | 98.4                        | 98.6    | 99.0    | 99.1    | 99.2        | 99.2    | 99.2        | 99.2        | 99.2    | 99.4      | 99.4      | 99.4      | 99.4      | 99.4      | 99.4    |  |
| GE 1800    | 98.4    | 98.4                        | 98.6    | 99.0    | 99.1    | 99.2        | 99.2    | 99.2        | 99.2        | 99.2    | 99.4      | 99.4      | 99.4      | 99.4      | 99.4      | 99.4    |  |
| GE 1500    | 98.4    | 98.4                        | 98.6    | 99.0    | 99.1    | 99.2        | 99.2    | 99.2        | 99.2        | 99.2    | 99.4      | 99.4      | 99.4      | 99.4      | 99.4      | 99.4    |  |
| GE 1200    | 98.4    | 98.4                        | 98.6    | 99.0    | 99.1    | 99.2        | 99.2    | 99.2        | 99.2        | 99.2    | 99.4      | 99.4      | 99.4      | 99.4      | 99.4      | 99.4    |  |
| GE 1000    | 98.4    | 98.4                        | 98.6    | 99.0    | 99.1    | 99.2        | 99.2    | 99.2        | 99.2        | 99.2    | 99.4      | 99.4      | 99.5      | 99.5      | 99.5      | 99.5    |  |
| GE 900     | 98.4    | 98.4                        | 98.6    | 99.0    | 99.1    | 99.2        | 99.2    | 99.2        | 99.2        | 99.2    | 99.4      | 99.4      | 99.5      | 99.5      | 99.5      | 99.5    |  |
| GE 800     | 98.4    | 98.4                        | 98.6    | 99.0    | 99.2    | 99.4        | 99.4    | 99.4        | 99.4        | 99.4    | 99.4      | 99.5      | 99.5      | 99.6      | 99.6      | 99.6    |  |
| GE 700     | 98.4    | 98.4                        | 98.6    | 99.0    | 99.2    | 99.4        | 99.4    | 99.4        | 99.4        | 99.4    | 99.4      | 99.5      | 99.5      | 99.6      | 99.6      | 99.6    |  |
| GE 600     | 98.4    | 98.4                        | 98.6    | 99.0    | 99.2    | 99.4        | 99.4    | 99.4        | 99.4        | 99.4    | 99.4      | 99.5      | 99.5      | 99.7      | 99.7      | 99.7    |  |
| GE 500     | 98.4    | 98.4                        | 98.6    | 99.0    | 99.2    | 99.4        | 99.4    | 99.4        | 99.4        | 99.4    | 99.4      | 99.5      | 99.5      | 99.7      | 99.7      | 99.7    |  |
| GE 400     | 98.4    | 98.4                        | 98.6    | 99.0    | 99.2    | 99.4        | 99.4    | 99.4        | 99.4        | 99.4    | 99.4      | 99.5      | 99.5      | 99.7      | 99.7      | 99.7    |  |
| GE 300     | 98.4    | 98.4                        | 98.6    | 99.0    | 99.2    | 99.4        | 99.4    | 99.4        | 99.4        | 99.4    | 99.4      | 99.5      | 99.5      | 99.8      | 99.8      | 99.8    |  |
| GE 200     | 98.4    | 98.4                        | 98.6    | 99.0    | 99.2    | 99.4        | 99.4    | 99.4        | 99.4        | 99.4    | 99.4      | 99.5      | 99.5      | 99.8      | 99.8      | 100.0   |  |
| GE 100     | 98.4    | 98.4                        | 98.6    | 99.0    | 99.2    | 99.4        | 99.4    | 99.4        | 99.4        | 99.4    | 99.4      | 99.5      | 99.5      | 99.8      | 99.8      | 100.0   |  |
| GE 000     | 98.4    | 98.4                        | 98.6    | 99.0    | 99.2    | 99.4        | 99.4    | 99.4        | 99.4        | 99.4    | 99.4      | 99.5      | 99.5      | 99.8      | 99.8      | 100.0   |  |

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: DEC HOURS: 03-05

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 78.9                        | 79.0    | 79.1    | 79.1    | 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 20000              | 82.7                        | 82.8    | 82.9    | 82.9    | 83.1    | 83.1        | 83.1    | 83.1        | 83.1        | 83.1    | 83.1      | 83.1      | 83.1      | 83.1      | 83.1      | 83.1    |
| GE 18000              | 83.0                        | 83.1    | 83.2    | 83.2    | 83.4    | 83.4        | 83.4    | 83.4        | 83.4        | 83.4    | 83.4      | 83.4      | 83.4      | 83.4      | 83.4      | 83.4    |
| GE 16000              | 83.0                        | 83.1    | 83.2    | 83.2    | 83.4    | 83.4        | 83.4    | 83.4        | 83.4        | 83.4    | 83.4      | 83.4      | 83.4      | 83.4      | 83.4      | 83.4    |
| GE 14000              | 83.2                        | 83.3    | 83.4    | 83.4    | 83.7    | 83.7        | 83.7    | 83.7        | 83.7        | 83.7    | 83.7      | 83.7      | 83.7      | 83.7      | 83.7      | 83.7    |
| GE 12000              | 86.7                        | 86.8    | 86.9    | 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 10000              | 88.0                        | 88.1    | 88.2    | 88.2    | 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 9000               | 88.1                        | 88.2    | 88.3    | 88.3    | 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 8000               | 88.9                        | 89.0    | 89.1    | 89.1    | 89.4    | 89.4        | 89.4    | 89.4        | 89.4        | 89.4    | 89.4      | 89.4      | 89.4      | 89.4      | 89.4      | 89.4    |
| GE 7000               | 90.0                        | 90.1    | 90.2    | 90.2    | 90.4    | 90.4        | 90.4    | 90.4        | 90.4        | 90.4    | 90.4      | 90.4      | 90.4      | 90.4      | 90.4      | 90.4    |
| GE 6000               | 91.4                        | 91.5    | 91.6    | 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 5000               | 93.3                        | 93.4    | 93.5    | 93.5    | 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 4500               | 93.9                        | 94.0    | 94.1    | 94.1    | 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 4000               | 95.4                        | 95.5    | 95.6    | 95.7    | 95.9    | 95.9        | 95.9    | 95.9        | 95.9        | 95.9    | 95.9      | 95.9      | 95.9      | 95.9      | 95.9      | 95.9    |
| GE 3500               | 96.0                        | 96.1    | 96.2    | 96.3    | 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 3000               | 96.7                        | 96.8    | 97.2    | 97.3    | 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 2500               | 97.1                        | 97.2    | 97.6    | 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    |
| GE 2000               | 97.7                        | 97.8    | 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      | 98.6    |
| GE 1800               | 97.7                        | 97.8    | 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      | 98.6    |
| GE 1500               | 98.1                        | 98.2    | 98.6    | 98.7    | 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 1200               | 98.1                        | 98.2    | 98.6    | 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 1000               | 98.1                        | 98.2    | 98.7    | 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    |
| GE 900                | 98.1                        | 98.2    | 98.7    | 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    |
| GE 800                | 98.1                        | 98.2    | 98.7    | 98.9    | 99.4    | 99.4        | 99.4    | 99.4        | 99.4        | 99.4    | 99.4      | 99.4      | 99.5      | 99.5      | 99.5      | 99.5    |
| GE 700                | 98.1                        | 98.2    | 98.7    | 98.9    | 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 600                | 98.1                        | 98.2    | 98.7    | 98.9    | 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 500                | 98.1                        | 98.2    | 98.7    | 98.9    | 99.6    | 99.6        | 99.6    | 99.6        | 99.6        | 99.7    | 99.7      | 99.7      | 99.8      | 99.8      | 99.8      | 99.8    |
| GE 400                | 98.1                        | 98.2    | 98.7    | 98.9    | 99.6    | 99.6        | 99.6    | 99.6        | 99.6        | 99.7    | 99.7      | 99.7      | 99.8      | 99.8      | 99.8      | 99.8    |
| GE 300                | 98.1                        | 98.2    | 98.7    | 98.9    | 99.6    | 99.6        | 99.6    | 99.6        | 99.6        | 99.7    | 99.7      | 99.7      | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 200                | 98.1                        | 98.2    | 98.7    | 98.9    | 99.6    | 99.6        | 99.6    | 99.6        | 99.6        | 99.7    | 99.7      | 99.7      | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 100                | 98.1                        | 98.2    | 98.7    | 98.9    | 99.6    | 99.6        | 99.6    | 99.6        | 99.6        | 99.7    | 99.7      | 99.7      | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 000                | 98.1                        | 98.2    | 98.7    | 98.9    | 99.6    | 99.6        | 99.6    | 99.6        | 99.6        | 99.7    | 99.7      | 99.7      | 100.0     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: DEC HOURS: 06-08

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 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      | 77.5      | 77.5      | 77.5    |
| GE 20000              | 82.0                        | 82.0    | 82.0    | 82.0    | 82.0    | 82.0        | 82.0    | 82.0        | 82.0        | 82.0    | 82.0      | 82.0      | 82.0      | 82.0      | 82.0      | 82.0    |
| GE 18000              | 82.0                        | 82.0    | 82.0    | 82.0    | 82.0    | 82.0        | 82.0    | 82.0        | 82.0        | 82.0    | 82.0      | 82.0      | 82.0      | 82.0      | 82.0      | 82.0    |
| GE 16000              | 82.2                        | 82.2    | 82.2    | 82.2    | 82.2    | 82.2        | 82.2    | 82.2        | 82.2        | 82.2    | 82.2      | 82.2      | 82.2      | 82.2      | 82.2      | 82.2    |
| GE 14000              | 83.4                        | 83.4    | 83.4    | 83.4    | 83.4    | 83.4        | 83.4    | 83.4        | 83.4        | 83.4    | 83.4      | 83.4      | 83.4      | 83.4      | 83.4      | 83.4    |
| GE 12000              | 86.5                        | 86.5    | 86.5    | 86.5    | 86.5    | 86.5        | 86.5    | 86.5        | 86.5        | 86.5    | 86.5      | 86.5      | 86.5      | 86.5      | 86.5      | 86.5    |
| GE 10000              | 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      | 88.0      | 88.0      | 88.0    |
| GE 9000               | 88.2                        | 88.2    | 88.2    | 88.2    | 88.2    | 88.2        | 88.2    | 88.2        | 88.2        | 88.2    | 88.2      | 88.2      | 88.2      | 88.2      | 88.2      | 88.2    |
| GE 8000               | 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      | 89.2      | 89.2    |
| GE 7000               | 89.7                        | 89.7    | 89.7    | 89.7    | 89.7    | 89.7        | 89.7    | 89.7        | 89.7        | 89.7    | 89.7      | 89.7      | 89.7      | 89.7      | 89.7      | 89.7    |
| GE 6000               | 91.0                        | 91.0    | 91.0    | 91.0    | 91.0    | 91.0        | 91.0    | 91.0        | 91.0        | 91.0    | 91.0      | 91.0      | 91.0      | 91.0      | 91.0      | 91.0    |
| GE 5000               | 93.5                        | 93.5    | 93.5    | 93.5    | 93.5    | 93.5        | 93.5    | 93.5        | 93.5        | 93.5    | 93.5      | 93.5      | 93.5      | 93.5      | 93.5      | 93.5    |
| GE 4500               | 94.1                        | 94.1    | 94.1    | 94.1    | 94.1    | 94.1        | 94.1    | 94.1        | 94.1        | 94.1    | 94.1      | 94.1      | 94.1      | 94.1      | 94.1      | 94.1    |
| GE 4000               | 96.3                        | 96.3    | 96.3    | 96.3    | 96.3    | 96.3        | 96.3    | 96.3        | 96.3        | 96.3    | 96.3      | 96.3      | 96.3      | 96.3      | 96.3      | 96.3    |
| GE 3500               | 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      | 97.3      | 97.3    |
| GE 3000               | 98.0                        | 98.0    | 98.0    | 98.0    | 98.0    | 98.0        | 98.1    | 98.1        | 98.1        | 98.1    | 98.1      | 98.1      | 98.1      | 98.1      | 98.1      | 98.1    |
| GE 2500               | 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      | 98.6      | 98.6    |
| GE 2000               | 98.5                        | 98.5    | 98.5    | 98.6    | 98.9    | 98.9        | 99.0    | 99.0        | 99.0        | 99.0    | 99.0      | 99.0      | 99.0      | 99.0      | 99.1      | 99.1    |
| GE 1800               | 98.5                        | 98.5    | 98.5    | 98.6    | 98.9    | 98.9        | 99.0    | 99.0        | 99.0        | 99.0    | 99.0      | 99.0      | 99.0      | 99.0      | 99.1      | 99.1    |
| GE 1500               | 98.6                        | 98.6    | 98.6    | 98.7    | 99.0    | 99.0        | 99.1    | 99.1        | 99.1        | 99.1    | 99.1      | 99.1      | 99.1      | 99.1      | 99.2      | 99.2    |
| GE 1200               | 98.6                        | 98.6    | 98.6    | 98.7    | 99.0    | 99.0        | 99.1    | 99.1        | 99.1        | 99.1    | 99.1      | 99.1      | 99.1      | 99.1      | 99.2      | 99.2    |
| GE 1000               | 98.6                        | 98.6    | 98.6    | 98.7    | 99.0    | 99.0        | 99.1    | 99.1        | 99.1        | 99.1    | 99.1      | 99.1      | 99.1      | 99.1      | 99.2      | 99.2    |
| GE 900                | 98.6                        | 98.6    | 98.6    | 98.7    | 99.0    | 99.0        | 99.1    | 99.1        | 99.1        | 99.1    | 99.1      | 99.1      | 99.1      | 99.1      | 99.2      | 99.2    |
| GE 800                | 98.6                        | 98.6    | 98.6    | 98.7    | 99.0    | 99.0        | 99.2    | 99.2        | 99.2        | 99.2    | 99.2      | 99.2      | 99.2      | 99.2      | 99.4      | 99.4    |
| GE 700                | 98.6                        | 98.6    | 98.7    | 98.8    | 99.2    | 99.2        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.5      | 99.6      | 99.6    |
| GE 600                | 98.6                        | 98.6    | 98.7    | 98.8    | 99.2    | 99.2        | 99.6    | 99.6        | 99.6        | 99.6    | 99.6      | 99.6      | 99.6      | 99.6      | 99.7      | 99.7    |
| GE 500                | 98.6                        | 98.6    | 98.7    | 98.8    | 99.2    | 99.2        | 99.6    | 99.6        | 99.6        | 99.7    | 99.8      | 99.8      | 99.8      | 99.8      | 99.9      | 99.9    |
| GE 400                | 98.6                        | 98.6    | 98.7    | 98.8    | 99.2    | 99.2        | 99.6    | 99.6        | 99.6        | 99.7    | 99.8      | 99.8      | 99.8      | 99.8      | 99.9      | 99.9    |
| GE 300                | 98.6                        | 98.6    | 98.7    | 98.8    | 99.2    | 99.2        | 99.6    | 99.6        | 99.6        | 99.7    | 99.8      | 99.8      | 99.8      | 99.8      | 99.9      | 99.9    |
| GE 200                | 98.6                        | 98.6    | 98.7    | 98.8    | 99.2    | 99.2        | 99.6    | 99.6        | 99.6        | 99.7    | 99.8      | 99.8      | 99.8      | 99.8      | 99.9      | 99.9    |
| GE 100                | 98.6                        | 98.6    | 98.7    | 98.8    | 99.2    | 99.2        | 99.6    | 99.6        | 99.6        | 99.7    | 99.8      | 99.8      | 99.8      | 99.8      | 99.9      | 100.0   |
| GE 000                | 98.6                        | 98.6    | 98.7    | 98.8    | 99.2    | 99.2        | 99.6    | 99.6        | 99.6        | 99.7    | 99.8      | 99.8      | 99.8      | 99.8      | 99.9      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: DEC HOURS: 09-11

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 73.7                        | 73.7    | 73.7    | 73.7    | 73.7    | 73.7        | 73.7    | 73.7        | 73.7        | 73.7    | 73.7      | 73.7      | 73.7      | 73.7      | 73.7      | 73.7    |
| GE 20000              | 80.2                        | 80.2    | 80.2    | 80.2    | 80.2    | 80.2        | 80.2    | 80.2        | 80.2        | 80.2    | 80.2      | 80.2      | 80.2      | 80.2      | 80.2      | 80.2    |
| GE 18000              | 80.4                        | 80.4    | 80.4    | 80.4    | 80.4    | 80.4        | 80.4    | 80.4        | 80.4        | 80.4    | 80.4      | 80.4      | 80.4      | 80.4      | 80.4      | 80.4    |
| GE 16000              | 80.5                        | 80.5    | 80.5    | 80.5    | 80.5    | 80.5        | 80.5    | 80.5        | 80.5        | 80.5    | 80.5      | 80.5      | 80.5      | 80.5      | 80.5      | 80.5    |
| GE 14000              | 82.5                        | 82.5    | 82.5    | 82.5    | 82.5    | 82.5        | 82.5    | 82.5        | 82.5        | 82.5    | 82.5      | 82.5      | 82.5      | 82.5      | 82.5      | 82.5    |
| GE 12000              | 85.5                        | 85.5    | 85.5    | 85.5    | 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 10000              | 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      | 87.6      | 87.6    |
| GE 9000               | 88.1                        | 88.1    | 88.1    | 88.1    | 88.1    | 88.1        | 88.1    | 88.1        | 88.1        | 88.1    | 88.1      | 88.1      | 88.1      | 88.1      | 88.1      | 88.1    |
| GE 8000               | 89.5                        | 89.5    | 89.5    | 89.5    | 89.5    | 89.5        | 89.5    | 89.5        | 89.5        | 89.5    | 89.5      | 89.5      | 89.5      | 89.5      | 89.5      | 89.5    |
| GE 7000               | 90.3                        | 90.3    | 90.3    | 90.3    | 90.3    | 90.3        | 90.3    | 90.3        | 90.3        | 90.3    | 90.3      | 90.3      | 90.3      | 90.3      | 90.3      | 90.3    |
| GE 6000               | 91.1                        | 91.1    | 91.1    | 91.1    | 91.1    | 91.1        | 91.1    | 91.1        | 91.1        | 91.1    | 91.1      | 91.1      | 91.1      | 91.1      | 91.1      | 91.1    |
| GE 5000               | 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      | 93.4      | 93.4      | 93.4    |
| GE 4500               | 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      | 94.8      | 94.8    |
| GE 4000               | 97.1                        | 97.1    | 97.2    | 97.2    | 97.2    | 97.2        | 97.2    | 97.2        | 97.2        | 97.2    | 97.2      | 97.2      | 97.2      | 97.2      | 97.2      | 97.2    |
| GE 3500               | 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      | 98.2      | 98.2      | 98.2    |
| GE 3000               | 98.2                        | 98.3    | 98.5    | 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    |
| GE 2500               | 98.4                        | 98.5    | 98.7    | 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 2000               | 98.4                        | 98.5    | 98.7    | 98.7    | 98.9    | 98.9        | 98.9    | 98.9        | 98.9        | 98.9    | 99.0      | 99.0      | 99.0      | 99.0      | 99.0      | 99.1    |
| GE 1800               | 98.4                        | 98.5    | 98.7    | 98.7    | 98.9    | 98.9        | 98.9    | 98.9        | 98.9        | 98.9    | 99.0      | 99.0      | 99.0      | 99.0      | 99.0      | 99.1    |
| GE 1500               | 98.4                        | 98.5    | 98.7    | 98.7    | 98.9    | 98.9        | 99.0    | 99.0        | 99.0        | 99.0    | 99.1      | 99.1      | 99.1      | 99.1      | 99.1      | 99.2    |
| GE 1200               | 98.4                        | 98.5    | 98.7    | 98.7    | 98.9    | 98.9        | 99.0    | 99.0        | 99.0        | 99.0    | 99.1      | 99.1      | 99.1      | 99.1      | 99.1      | 99.2    |
| GE 1000               | 98.5                        | 98.6    | 98.8    | 98.9    | 99.1    | 99.1        | 99.2    | 99.2        | 99.2        | 99.4    | 99.5      | 99.5      | 99.5      | 99.5      | 99.5      | 99.6    |
| GE 900                | 98.5                        | 98.6    | 98.8    | 98.9    | 99.1    | 99.1        | 99.2    | 99.2        | 99.2        | 99.4    | 99.5      | 99.5      | 99.5      | 99.5      | 99.5      | 99.6    |
| GE 800                | 98.7                        | 98.8    | 99.0    | 99.1    | 99.4    | 99.4        | 99.5    | 99.5        | 99.5        | 99.6    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.8    |
| GE 700                | 98.7                        | 98.8    | 99.0    | 99.1    | 99.4    | 99.4        | 99.5    | 99.5        | 99.5        | 99.6    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.8    |
| GE 600                | 98.7                        | 98.8    | 99.1    | 99.2    | 99.5    | 99.5        | 99.6    | 99.6        | 99.6        | 99.7    | 99.8      | 99.8      | 99.8      | 99.8      | 99.8      | 99.9    |
| GE 500                | 98.7                        | 98.8    | 99.1    | 99.2    | 99.5    | 99.5        | 99.6    | 99.7        | 99.7        | 99.8    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 100.0   |
| GE 400                | 98.7                        | 98.8    | 99.1    | 99.2    | 99.5    | 99.5        | 99.6    | 99.7        | 99.7        | 99.8    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 100.0   |
| GE 300                | 98.7                        | 98.8    | 99.1    | 99.2    | 99.5    | 99.5        | 99.6    | 99.7        | 99.7        | 99.8    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 100.0   |
| GE 200                | 98.7                        | 98.8    | 99.1    | 99.2    | 99.5    | 99.5        | 99.6    | 99.7        | 99.7        | 99.8    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 100.0   |
| GE 100                | 98.7                        | 98.8    | 99.1    | 99.2    | 99.5    | 99.5        | 99.6    | 99.7        | 99.7        | 99.8    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 100.0   |
| GE 000                | 98.7                        | 98.8    | 99.1    | 99.2    | 99.5    | 99.5        | 99.6    | 99.7        | 99.7        | 99.8    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: DEC HOURS: 12-14

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 72.4                        | 72.4    | 72.4    | 72.4    | 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 20000              | 81.1                        | 81.1    | 81.1    | 81.1    | 81.1    | 81.1        | 81.1    | 81.1        | 81.1        | 81.1    | 81.1      | 81.1      | 81.1      | 81.1      | 81.1      | 81.1    |
| GE 18000              | 81.5                        | 81.5    | 81.5    | 81.5    | 81.5    | 81.5        | 81.5    | 81.5        | 1.5         | 81.5    | 81.5      | 81.5      | 81.5      | 81.5      | 81.5      | 81.5    |
| GE 16000              | 81.8                        | 81.8    | 81.8    | 81.8    | 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 14000              | 83.2                        | 83.2    | 83.2    | 83.2    | 83.2    | 83.2        | 83.2    | 83.2        | 83.2        | 83.2    | 83.2      | 83.2      | 83.2      | 83.2      | 83.2      | 83.2    |
| GE 12000              | 85.8                        | 85.8    | 85.8    | 85.8    | 85.8    | 85.8        | 85.8    | 85.8        | 85.8        | 85.8    | 85.8      | 85.8      | 85.8      | 85.8      | 85.8      | 85.8    |
| GE 10000              | 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      | 88.0      | 88.0      | 88.0    |
| GE 9000               | 88.5                        | 88.5    | 88.5    | 88.5    | 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 8000               | 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      | 90.1      | 90.1      | 90.1    |
| GE 7000               | 91.2                        | 91.2    | 91.2    | 91.2    | 91.2    | 91.2        | 91.2    | 91.2        | 91.2        | 91.2    | 91.2      | 91.2      | 91.2      | 91.2      | 91.2      | 91.2    |
| GE 6000               | 92.5                        | 92.5    | 92.5    | 92.5    | 92.5    | 92.5        | 92.5    | 92.5        | 92.5        | 92.5    | 92.5      | 92.5      | 92.5      | 92.5      | 92.5      | 92.5    |
| GE 5000               | 94.9                        | 94.9    | 94.9    | 94.9    | 94.9    | 94.9        | 94.9    | 94.9        | 94.9        | 94.9    | 94.9      | 94.9      | 94.9      | 94.9      | 94.9      | 94.9    |
| GE 4500               | 95.4                        | 95.4    | 95.5    | 95.5    | 95.5    | 95.5        | 95.5    | 95.5        | 95.5        | 95.5    | 95.5      | 95.5      | 95.5      | 95.5      | 95.5      | 95.5    |
| GE 4000               | 97.0                        | 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      | 97.1    |
| GE 3500               | 97.7                        | 97.7    | 97.8    | 97.8    | 97.8    | 97.8        | 97.8    | 97.8        | 97.8        | 97.8    | 97.8      | 97.8      | 97.8      | 97.8      | 97.8      | 97.8    |
| GE 3000               | 98.5                        | 98.5    | 98.7    | 98.8    | 98.9    | 99.0        | 99.0    | 99.0        | 99.0        | 99.0    | 99.0      | 99.0      | 99.0      | 99.0      | 99.0      | 99.0    |
| GE 2500               | 98.8                        | 98.8    | 99.0    | 99.1    | 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               | 98.9                        | 98.9    | 99.1    | 99.2    | 99.4    | 99.5        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.5      | 99.5      | 99.5    |
| GE 1800               | 98.9                        | 98.9    | 99.1    | 99.2    | 99.4    | 99.5        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.5      | 99.5      | 99.5    |
| GE 1500               | 98.9                        | 98.9    | 99.1    | 99.2    | 99.4    | 99.5        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.5      | 99.5      | 99.5    |
| GE 1200               | 99.0                        | 99.0    | 99.4    | 99.5    | 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               | 99.1                        | 99.1    | 99.5    | 99.6    | 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 900                | 99.1                        | 99.1    | 99.5    | 99.6    | 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 800                | 99.1                        | 99.1    | 99.5    | 99.6    | 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 700                | 99.1                        | 99.1    | 99.5    | 99.6    | 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 600                | 99.1                        | 99.1    | 99.6    | 99.7    | 99.8    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 500                | 99.1                        | 99.1    | 99.6    | 99.7    | 99.8    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 400                | 99.1                        | 99.1    | 99.6    | 99.7    | 99.8    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 300                | 99.1                        | 99.1    | 99.6    | 99.7    | 99.8    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 200                | 99.1                        | 99.1    | 99.6    | 99.7    | 99.8    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 100                | 99.1                        | 99.1    | 99.6    | 99.7    | 99.8    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 000                | 99.1                        | 99.1    | 99.6    | 99.7    | 99.8    | 99.9        | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: DEC HOURS: 15-17

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 73.4                        | 73.4    | 73.4    | 73.4    | 73.4    | 73.4        | 73.4    | 73.4        | 73.4        | 73.4    | 73.4      | 73.4      | 73.4      | 73.4      | 73.4      | 73.4    |
| GE 20000              | 80.8                        | 80.8    | 80.8    | 80.8    | 80.8    | 80.8        | 80.8    | 80.8        | 80.8        | 80.8    | 80.8      | 80.8      | 80.8      | 80.8      | 80.8      | 80.8    |
| GE 18000              | 80.9                        | 80.9    | 80.9    | 80.9    | 80.9    | 80.9        | 80.9    | 80.9        | 80.9        | 80.9    | 80.9      | 80.9      | 80.9      | 80.9      | 80.9      | 80.9    |
| GE 16000              | 81.3                        | 81.3    | 81.3    | 81.3    | 81.3    | 81.3        | 81.3    | 81.3        | 81.3        | 81.3    | 81.3      | 81.3      | 81.3      | 81.3      | 81.3      | 81.3    |
| GE 14000              | 83.4                        | 83.4    | 83.4    | 83.4    | 83.4    | 83.4        | 83.4    | 83.4        | 83.4        | 83.4    | 83.4      | 83.4      | 83.4      | 83.4      | 83.4      | 83.4    |
| GE 12000              | 85.7                        | 85.7    | 85.7    | 85.7    | 85.7    | 85.7        | 85.7    | 85.7        | 85.7        | 85.7    | 85.7      | 85.7      | 85.7      | 85.7      | 85.7      | 85.7    |
| GE 10000              | 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      | 88.7      | 88.7    |
| GE 9000               | 88.9                        | 88.9    | 88.9    | 88.9    | 88.9    | 88.9        | 88.9    | 88.9        | 88.9        | 88.9    | 88.9      | 88.9      | 88.9      | 88.9      | 88.9      | 88.9    |
| GE 8000               | 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      | 90.6      | 90.6      | 90.6    |
| GE 7000               | 92.0                        | 92.0    | 92.0    | 92.0    | 92.0    | 92.0        | 92.0    | 92.0        | 92.0        | 92.0    | 92.0      | 92.0      | 92.0      | 92.0      | 92.0      | 92.0    |
| GE 6000               | 93.5                        | 93.5    | 93.7    | 93.7    | 93.7    | 93.7        | 93.7    | 93.7        | 93.7        | 93.7    | 93.7      | 93.7      | 93.7      | 93.7      | 93.7      | 93.7    |
| GE 5000               | 95.9                        | 95.9    | 96.0    | 96.0    | 96.0    | 96.0        | 96.0    | 96.0        | 96.0        | 96.0    | 96.0      | 96.0      | 96.0      | 96.0      | 96.0      | 96.0    |
| GE 4500               | 96.3                        | 96.3    | 96.5    | 96.5    | 96.5    | 96.5        | 96.5    | 96.5        | 96.5        | 96.5    | 96.5      | 96.5      | 96.5      | 96.5      | 96.5      | 96.5    |
| GE 4000               | 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      | 97.5      | 97.5      | 97.5    |
| GE 3500               | 97.6                        | 97.6    | 97.7    | 97.7    | 97.7    | 97.7        | 97.7    | 97.7        | 97.7        | 97.7    | 97.7      | 97.7      | 97.7      | 97.7      | 97.7      | 97.7    |
| GE 3000               | 98.7                        | 98.7    | 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 2500               | 98.7                        | 98.7    | 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 2000               | 98.7                        | 98.7    | 99.1    | 99.4    | 99.4    | 99.4        | 99.4    | 99.4        | 99.4        | 99.4    | 99.4      | 99.5      | 99.5      | 99.5      | 99.5      | 99.5    |
| GE 1800               | 98.7                        | 98.7    | 99.1    | 99.4    | 99.4    | 99.4        | 99.4    | 99.4        | 99.4        | 99.4    | 99.4      | 99.5      | 99.5      | 99.5      | 99.5      | 99.5    |
| GE 1500               | 98.7                        | 98.7    | 99.2    | 99.5    | 99.5    | 99.5        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.6      | 99.6      | 99.6      | 99.6      | 99.6    |
| GE 1200               | 98.7                        | 98.7    | 99.2    | 99.5    | 99.5    | 99.5        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.6      | 99.6      | 99.6      | 99.6      | 99.6    |
| GE 1000               | 98.7                        | 98.7    | 99.2    | 99.5    | 99.5    | 99.5        | 99.5    | 99.5        | 99.5        | 99.5    | 99.6      | 99.6      | 99.6      | 99.6      | 99.6      | 99.6    |
| GE 900                | 98.7                        | 98.7    | 99.2    | 99.5    | 99.5    | 99.5        | 99.5    | 99.5        | 99.5        | 99.5    | 99.6      | 99.6      | 99.6      | 99.6      | 99.6      | 99.6    |
| GE 800                | 98.7                        | 98.7    | 99.2    | 99.5    | 99.5    | 99.5        | 99.5    | 99.5        | 99.5        | 99.5    | 99.6      | 99.6      | 99.6      | 99.6      | 99.6      | 99.6    |
| GE 700                | 98.7                        | 98.7    | 99.2    | 99.5    | 99.5    | 99.5        | 99.5    | 99.5        | 99.5        | 99.5    | 99.6      | 99.6      | 99.6      | 99.6      | 99.6      | 99.6    |
| GE 600                | 98.7                        | 98.7    | 99.2    | 99.5    | 99.5    | 99.5        | 99.5    | 99.5        | 99.5        | 99.5    | 99.6      | 99.6      | 99.6      | 99.6      | 99.6      | 99.6    |
| GE 500                | 98.7                        | 98.7    | 99.2    | 99.5    | 99.5    | 99.5        | 99.6    | 99.6        | 99.6        | 99.6    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 400                | 98.7                        | 98.7    | 99.2    | 99.5    | 99.5    | 99.5        | 99.6    | 99.6        | 99.6        | 99.6    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 300                | 98.7                        | 98.7    | 99.2    | 99.5    | 99.5    | 99.5        | 99.7    | 99.7        | 99.7        | 99.8    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 200                | 98.7                        | 98.7    | 99.2    | 99.5    | 99.5    | 99.5        | 99.7    | 99.7        | 99.7        | 99.9    | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 100                | 98.7                        | 98.7    | 99.2    | 99.5    | 99.5    | 99.5        | 99.7    | 99.7        | 99.7        | 99.9    | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 000                | 98.7                        | 98.7    | 99.2    | 99.5    | 99.5    | 99.5        | 99.7    | 99.7        | 99.7        | 99.9    | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: DEC HOURS: 18 20

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 74.8                        | 74.8    | 74.8    | 74.8    | 74.8    | 74.8        | 74.8    | 74.8        | 74.8        | 74.8    | 74.8      | 74.8      | 74.8      | 74.8      | 74.8      | 74.8    |
| GE 20000              | 80.6                        | 80.6    | 80.6    | 80.6    | 80.6    | 80.6        | 80.6    | 80.6        | 80.6        | 80.6    | 80.6      | 80.6      | 80.6      | 80.6      | 80.6      | 80.6    |
| GE 18000              | 80.8                        | 80.8    | 80.8    | 80.8    | 80.8    | 80.8        | 80.8    | 80.8        | 80.8        | 80.8    | 80.8      | 80.8      | 80.8      | 80.8      | 80.8      | 80.8    |
| GE 16000              | 80.8                        | 80.8    | 80.8    | 80.8    | 80.8    | 80.8        | 80.8    | 80.8        | 80.8        | 80.8    | 80.8      | 80.8      | 80.8      | 80.8      | 80.8      | 80.8    |
| GE 14000              | 82.3                        | 82.3    | 82.3    | 82.3    | 82.3    | 82.3        | 82.3    | 82.3        | 82.3        | 82.3    | 82.3      | 82.3      | 82.3      | 82.3      | 82.3      | 82.3    |
| GE 12000              | 84.3                        | 84.3    | 84.3    | 84.3    | 84.3    | 84.3        | 84.3    | 84.3        | 84.3        | 84.3    | 84.3      | 84.3      | 84.3      | 84.3      | 84.3      | 84.3    |
| GE 10000              | 86.0                        | 86.0    | 86.0    | 86.0    | 86.0    | 86.0        | 86.0    | 86.0        | 86.0        | 86.0    | 86.0      | 86.0      | 86.0      | 86.0      | 86.0      | 86.0    |
| GE 9000               | 86.2                        | 86.2    | 86.2    | 86.2    | 86.2    | 86.2        | 86.2    | 86.2        | 86.2        | 86.2    | 86.2      | 86.2      | 86.2      | 86.2      | 86.2      | 86.2    |
| GE 8000               | 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      | 87.8      | 87.8      | 87.8    |
| GE 7000               | 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      | 89.2      | 89.2    |
| GE 6000               | 91.7                        | 91.7    | 91.7    | 91.7    | 91.7    | 91.7        | 91.7    | 91.7        | 91.7        | 91.7    | 91.7      | 91.7      | 91.7      | 91.7      | 91.7      | 91.7    |
| GE 5000               | 94.1                        | 94.1    | 94.1    | 94.1    | 94.1    | 94.1        | 94.1    | 94.1        | 94.1        | 94.1    | 94.1      | 94.1      | 94.1      | 94.1      | 94.1      | 94.1    |
| GE 4500               | 95.2                        | 95.2    | 95.2    | 95.2    | 95.2    | 95.2        | 95.2    | 95.2        | 95.2        | 95.2    | 95.2      | 95.2      | 95.2      | 95.2      | 95.2      | 95.2    |
| GE 4000               | 96.0                        | 96.0    | 96.0    | 96.0    | 96.0    | 96.0        | 96.0    | 96.0        | 96.0        | 96.0    | 96.0      | 96.0      | 96.0      | 96.0      | 96.0      | 96.0    |
| GE 3500               | 96.7                        | 96.7    | 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 3000               | 97.7                        | 97.7    | 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 2500               | 98.0                        | 98.0    | 98.4    | 98.5    | 98.5    | 98.5        | 98.5    | 98.5        | 98.5        | 98.5    | 98.5      | 98.5      | 98.5      | 98.5      | 98.5      | 98.5    |
| GE 2000               | 98.6                        | 98.6    | 99.0    | 99.1    | 99.1    | 99.1        | 99.1    | 99.2        | 99.2        | 99.2    | 99.2      | 99.2      | 99.2      | 99.2      | 99.2      | 99.2    |
| GE 1800               | 98.6                        | 98.6    | 99.0    | 99.1    | 99.1    | 99.1        | 99.1    | 99.2        | 99.2        | 99.2    | 99.2      | 99.2      | 99.2      | 99.2      | 99.2      | 99.2    |
| GE 1500               | 98.7                        | 98.7    | 99.1    | 99.2    | 99.2    | 99.2        | 99.4    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.5      | 99.5      | 99.5    |
| GE 1200               | 98.7                        | 98.7    | 99.1    | 99.2    | 99.2    | 99.2        | 99.4    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.5      | 99.5      | 99.5    |
| GE 1000               | 98.8                        | 98.8    | 99.2    | 99.4    | 99.4    | 99.4        | 99.5    | 99.6        | 99.6        | 99.6    | 99.6      | 99.6      | 99.6      | 99.6      | 99.6      | 99.6    |
| GE 900                | 98.8                        | 98.8    | 99.2    | 99.4    | 99.4    | 99.4        | 99.5    | 99.6        | 99.6        | 99.6    | 99.6      | 99.6      | 99.6      | 99.6      | 99.6      | 99.6    |
| GE 800                | 98.8                        | 98.8    | 99.2    | 99.4    | 99.4    | 99.4        | 99.5    | 99.6        | 99.6        | 99.6    | 99.6      | 99.6      | 99.6      | 99.6      | 99.6      | 99.6    |
| GE 700                | 98.8                        | 98.8    | 99.2    | 99.4    | 99.4    | 99.4        | 99.5    | 99.6        | 99.6        | 99.6    | 99.6      | 99.6      | 99.6      | 99.6      | 99.6      | 99.6    |
| GE 600                | 98.8                        | 98.8    | 99.2    | 99.4    | 99.4    | 99.4        | 99.5    | 99.6        | 99.6        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 500                | 98.8                        | 98.8    | 99.2    | 99.4    | 99.4    | 99.4        | 99.5    | 99.6        | 99.6        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 400                | 98.8                        | 98.8    | 99.2    | 99.4    | 99.4    | 99.4        | 99.5    | 99.6        | 99.6        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 300                | 98.8                        | 98.8    | 99.2    | 99.4    | 99.4    | 99.4        | 99.5    | 99.6        | 99.6        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 200                | 98.8                        | 98.8    | 99.2    | 99.4    | 99.4    | 99.4        | 99.5    | 99.6        | 99.6        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 100                | 98.8                        | 98.8    | 99.2    | 99.4    | 99.4    | 99.4        | 99.5    | 99.6        | 99.6        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 000                | 98.8                        | 98.8    | 99.2    | 99.4    | 99.4    | 99.4        | 99.5    | 99.6        | 99.6        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: DEC HOURS: 21-23

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 78.3                        | 78.3    | 78.3    | 78.3    | 78.3    | 78.3        | 78.3    | 78.3        | 78.3        | 78.3    | 78.3      | 78.3      | 78.3      | 78.3      | 78.3      | 78.3    |
| GE 20000              | 81.9                        | 81.9    | 81.9    | 81.9    | 81.9    | 81.9        | 81.9    | 81.9        | 81.9        | 81.9    | 81.9      | 81.9      | 81.9      | 81.9      | 81.9      | 81.9    |
| GE 18000              | 82.3                        | 82.3    | 82.3    | 82.3    | 82.3    | 82.3        | 82.3    | 82.3        | 82.3        | 82.3    | 82.3      | 82.3      | 82.3      | 82.3      | 82.3      | 82.3    |
| GE 16000              | 82.3                        | 82.3    | 82.3    | 82.3    | 82.3    | 82.3        | 82.3    | 82.3        | 82.3        | 82.3    | 82.3      | 82.3      | 82.3      | 82.3      | 82.3      | 82.3    |
| GE 14000              | 82.9                        | 82.9    | 82.9    | 82.9    | 82.9    | 82.9        | 82.9    | 82.9        | 82.9        | 82.9    | 82.9      | 82.9      | 82.9      | 82.9      | 82.9      | 82.9    |
| GE 12000              | 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      | 84.6      | 84.6      | 84.6    |
| GE 10000              | 86.7                        | 86.7    | 86.7    | 86.7    | 86.7    | 86.7        | 86.7    | 86.7        | 86.7        | 86.7    | 86.7      | 86.7      | 86.7      | 86.7      | 86.7      | 86.7    |
| GE 9000               | 86.8                        | 86.8    | 86.8    | 86.8    | 86.8    | 86.8        | 86.8    | 86.8        | 86.8        | 86.8    | 86.8      | 86.8      | 86.8      | 86.8      | 86.8      | 86.8    |
| GE 8000               | 88.4                        | 88.4    | 88.4    | 88.4    | 88.4    | 88.4        | 88.4    | 88.4        | 88.4        | 88.4    | 88.4      | 88.4      | 88.4      | 88.4      | 88.4      | 88.4    |
| GE 7000               | 89.6                        | 89.6    | 89.6    | 89.6    | 89.6    | 89.6        | 89.6    | 89.6        | 89.6        | 89.6    | 89.6      | 89.6      | 89.6      | 89.6      | 89.6      | 89.6    |
| GE 6000               | 91.4                        | 91.4    | 91.4    | 91.5    | 91.5    | 91.5        | 91.5    | 91.5        | 91.5        | 91.5    | 91.5      | 91.5      | 91.5      | 91.5      | 91.5      | 91.5    |
| GE 5000               | 93.1                        | 93.1    | 93.1    | 93.2    | 93.2    | 93.2        | 93.2    | 93.2        | 93.2        | 93.2    | 93.2      | 93.2      | 93.2      | 93.2      | 93.2      | 93.2    |
| GE 4500               | 93.5                        | 93.5    | 93.5    | 93.7    | 93.7    | 93.7        | 93.7    | 93.7        | 93.7        | 93.7    | 93.7      | 93.7      | 93.7      | 93.7      | 93.7      | 93.7    |
| GE 4000               | 95.7                        | 95.7    | 95.7    | 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 3500               | 97.2                        | 97.2    | 97.3    | 97.4    | 97.4    | 97.4        | 97.4    | 97.4        | 97.4        | 97.4    | 97.4      | 97.6      | 97.6      | 97.6      | 97.6      | 97.6    |
| GE 3000               | 98.0                        | 98.0    | 98.3    | 98.4    | 98.4    | 98.4        | 98.4    | 98.4        | 98.4        | 98.4    | 98.6      | 98.6      | 98.6      | 98.6      | 98.6      | 98.6    |
| GE 2500               | 98.0                        | 98.0    | 98.3    | 98.4    | 98.4    | 98.4        | 98.4    | 98.4        | 98.4        | 98.4    | 98.6      | 98.6      | 98.6      | 98.6      | 98.6      | 98.6    |
| GE 2000               | 98.2                        | 98.2    | 98.6    | 99.0    | 99.0    | 99.1        | 99.1    | 99.1        | 99.1        | 99.1    | 99.4      | 99.4      | 99.4      | 99.4      | 99.4      | 99.4    |
| GE 1800               | 98.2                        | 98.2    | 98.7    | 99.1    | 99.1    | 99.2        | 99.2    | 99.2        | 99.2        | 99.2    | 99.5      | 99.5      | 99.5      | 99.5      | 99.5      | 99.5    |
| GE 1500               | 98.5                        | 98.5    | 99.1    | 99.6    | 99.6    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 1200               | 98.5                        | 98.5    | 99.1    | 99.6    | 99.6    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 1000               | 98.5                        | 98.5    | 99.1    | 99.6    | 99.6    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 900                | 98.5                        | 98.5    | 99.1    | 99.6    | 99.6    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 800                | 98.5                        | 98.5    | 99.1    | 99.6    | 99.6    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 700                | 98.5                        | 98.5    | 99.1    | 99.6    | 99.6    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 600                | 98.5                        | 98.5    | 99.1    | 99.6    | 99.6    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 500                | 98.5                        | 98.5    | 99.1    | 99.6    | 99.6    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 400                | 98.5                        | 98.5    | 99.1    | 99.6    | 99.6    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 300                | 98.5                        | 98.5    | 99.1    | 99.6    | 99.6    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.9      | 99.9      | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 200                | 98.5                        | 98.5    | 99.1    | 99.6    | 99.6    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.9      | 99.9      | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 100                | 98.5                        | 98.5    | 99.1    | 99.6    | 99.6    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.9      | 99.9      | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 000                | 98.5                        | 98.5    | 99.1    | 99.6    | 99.6    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.9      | 99.9      | 100.0     | 100.0     | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: DEC HOURS: ALL

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 76.1                        | 76.1    | 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      | 76.2    |
| GE 20000              | 81.7                        | 81.7    | 81.7    | 81.7    | 81.7    | 81.7        | 81.7    | 81.7        | 81.7        | 81.7    | 81.7      | 81.7      | 81.7      | 81.7      | 81.7      | 81.7    |
| GE 18000              | 81.9                        | 81.9    | 81.9    | 81.9    | 82.0    | 82.0        | 82.0    | 82.0        | 82.0        | 82.0    | 82.0      | 82.0      | 82.0      | 82.0      | 82.0      | 82.0    |
| GE 16000              | 82.0                        | 82.0    | 82.0    | 82.1    | 82.1    | 82.1        | 82.1    | 82.1        | 82.1        | 82.1    | 82.1      | 82.1      | 82.1      | 82.1      | 82.1      | 82.1    |
| GE 14000              | 83.2                        | 83.2    | 83.3    | 83.3    | 83.3    | 83.3        | 83.3    | 83.3        | 83.3        | 83.3    | 83.3      | 83.3      | 83.3      | 83.3      | 83.3      | 83.3    |
| GE 12000              | 85.8                        | 85.8    | 85.8    | 85.8    | 85.8    | 85.8        | 85.8    | 85.8        | 85.8        | 85.8    | 85.8      | 85.8      | 85.8      | 85.8      | 85.8      | 85.8    |
| GE 10000              | 87.7                        | 87.7    | 87.7    | 87.7    | 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 9000               | 87.9                        | 88.0    | 88.0    | 88.0    | 88.0    | 88.0        | 88.0    | 88.0        | 88.0        | 8.0     | 88.0      | 88.0      | 88.0      | 88.0      | 88.0      | 88.0    |
| GE 8000               | 89.3                        | 89.4    | 89.4    | 89.4    | 89.4    | 89.4        | 89.4    | 89.4        | 89.4        | 89.4    | 89.4      | 89.4      | 89.4      | 89.4      | 89.4      | 89.4    |
| GE 7000               | 90.4                        | 90.4    | 90.4    | 90.5    | 90.5    | 90.5        | 90.5    | 90.5        | 90.5        | 90.5    | 90.5      | 90.5      | 90.5      | 90.5      | 90.5      | 90.5    |
| GE 6000               | 91.8                        | 91.8    | 91.9    | 91.9    | 91.9    | 91.9        | 91.9    | 91.9        | 91.9        | 91.9    | 91.9      | 91.9      | 91.9      | 91.9      | 91.9      | 91.9    |
| GE 5000               | 93.9                        | 93.9    | 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 4500               | 94.6                        | 94.6    | 94.7    | 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    |
| GE 4000               | 96.3                        | 96.4    | 96.4    | 96.5    | 96.5    | 96.5        | 96.5    | 96.5        | 96.5        | 96.5    | 96.5      | 96.5      | 96.5      | 96.5      | 96.5      | 96.5    |
| GE 3500               | 97.2                        | 97.2    | 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      | 97.4    |
| GE 3000               | 97.9                        | 97.9    | 98.2    | 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 2500               | 98.2                        | 98.2    | 98.5    | 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    |
| GE 2000               | 98.4                        | 98.5    | 98.8    | 98.9    | 99.1    | 99.1        | 99.1    | 99.1        | 99.1        | 99.1    | 99.2      | 99.2      | 99.2      | 99.2      | 99.2      | 99.2    |
| GE 1800               | 98.4                        | 98.5    | 98.8    | 99.0    | 99.1    | 99.1        | 99.1    | 99.1        | 99.1        | 99.1    | 99.2      | 99.2      | 99.2      | 99.2      | 99.2      | 99.2    |
| GE 1500               | 98.5                        | 98.6    | 98.9    | 99.1    | 99.2    | 99.2        | 99.3    | 99.3        | 99.3        | 99.3    | 99.4      | 99.4      | 99.4      | 99.4      | 99.4      | 99.4    |
| GE 1200               | 98.5                        | 98.6    | 98.9    | 99.1    | 99.2    | 99.3        | 99.3    | 99.3        | 99.3        | 99.3    | 99.4      | 99.4      | 99.4      | 99.4      | 99.4      | 99.4    |
| GE 1000               | 98.6                        | 98.6    | 99.0    | 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 900                | 98.6                        | 98.6    | 99.0    | 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 800                | 98.6                        | 98.6    | 99.0    | 99.2    | 99.4    | 99.4        | 99.5    | 99.5        | 99.5        | 99.5    | 99.6      | 99.6      | 99.6      | 99.6      | 99.6      | 99.6    |
| GE 700                | 98.6                        | 98.6    | 99.0    | 99.2    | 99.4    | 99.5        | 99.5    | 99.5        | 99.5        | 99.5    | 99.6      | 99.6      | 99.6      | 99.7      | 99.7      | 99.7    |
| GE 600                | 98.6                        | 98.6    | 99.0    | 99.3    | 99.5    | 99.5        | 99.6    | 99.6        | 99.6        | 99.6    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.8    |
| GE 500                | 98.6                        | 98.6    | 99.0    | 99.3    | 99.5    | 99.5        | 99.6    | 99.6        | 99.6        | 99.7    | 99.8      | 99.8      | 99.8      | 99.8      | 99.8      | 99.8    |
| GE 400                | 98.6                        | 98.6    | 99.0    | 99.3    | 99.5    | 99.5        | 99.6    | 99.6        | 99.6        | 99.7    | 99.8      | 99.8      | 99.8      | 99.8      | 99.9      | 99.9    |
| GE 300                | 98.6                        | 98.6    | 99.0    | 99.3    | 99.5    | 99.5        | 99.6    | 99.6        | 99.6        | 99.7    | 99.8      | 99.8      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 200                | 98.6                        | 98.6    | 99.0    | 99.3    | 99.5    | 99.5        | 99.6    | 99.6        | 99.6        | 99.8    | 99.8      | 99.8      | 99.9      | 99.9      | 100.0     | 100.0   |
| GE 100                | 98.6                        | 98.6    | 99.0    | 99.3    | 99.5    | 99.5        | 99.6    | 99.6        | 99.6        | 99.8    | 99.8      | 99.8      | 99.9      | 99.9      | 100.0     | 100.0   |
| GE 000                | 98.6                        | 98.6    | 99.0    | 99.3    | 99.5    | 99.5        | 99.6    | 99.6        | 99.6        | 99.8    | 99.8      | 99.8      | 99.9      | 99.9      | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 7440



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: ALL HOURS: ALL

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |           |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 76.7                        | 76.7    | 76.8    | 76.8    | 76.8    | 76.8        | 76.8    | 76.8        | 76.8        | 76.8    | 76.8      | 76.8      | 76.8      | 76.8      | 76.8      | 76.8    |
| GE 20000              | 83.2                        | 83.2    | 83.3    | 83.3    | 83.3    | 83.3        | 83.3    | 83.3        | 83.3        | 83.3    | 83.3      | 83.3      | 83.3      | 83.3      | 83.3      | 83.3    |
| GE 18000              | 83.4                        | 83.4    | 83.4    | 83.4    | 83.4    | 83.4        | 83.4    | 83.4        | 83.4        | 83.4    | 83.4      | 83.4      | 83.4      | 83.4      | 83.4      | 83.4    |
| GE 16000              | 83.4                        | 83.4    | 83.4    | 83.4    | 83.5    | 83.5        | 83.5    | 83.5        | 83.5        | 83.5    | 83.5      | 83.5      | 83.5      | 83.5      | 83.5      | 83.5    |
| GE 14000              | 84.3                        | 84.4    | 84.4    | 84.4    | 84.4    | 84.4        | 84.4    | 84.4        | 84.4        | 84.4    | 84.4      | 84.4      | 84.4      | 84.4      | 84.4      | 84.4    |
| GE 12000              | 88.6                        | 88.6    | 88.6    | 88.6    | 88.6    | 88.6        | 88.6    | 88.6        | 88.6        | 88.6    | 88.6      | 88.6      | 88.6      | 88.6      | 88.6      | 88.6    |
| GE 10000              | 91.2                        | 91.2    | 91.2    | 91.2    | 91.2    | 91.2        | 91.2    | 91.2        | 91.2        | 91.2    | 91.2      | 91.2      | 91.2      | 91.2      | 91.2      | 91.2    |
| GE 9000               | 91.6                        | 91.6    | 91.6    | 91.6    | 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 8000               | 92.5                        | 92.5    | 92.5    | 92.5    | 92.5    | 92.5        | 92.5    | 92.5        | 92.5        | 92.5    | 92.5      | 92.5      | 92.5      | 92.5      | 92.5      | 92.5    |
| GE 7000               | 94.3                        | 94.3    | 94.4    | 94.4    | 94.4    | 94.4        | 94.4    | 94.4        | 94.4        | 94.4    | 94.4      | 94.4      | 94.4      | 94.4      | 94.4      | 94.4    |
| GE 6000               | 96.1                        | 96.1    | 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 5000               | 97.7                        | 97.7    | 97.8    | 97.8    | 97.8    | 97.8        | 97.8    | 97.8        | 97.8        | 97.8    | 97.8      | 97.8      | 97.8      | 97.8      | 97.8      | 97.8    |
| GE 4500               | 98.0                        | 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      | 98.1      | 98.1    |
| GE 4000               | 98.7                        | 98.7    | 98.8    | 98.8    | 98.8    | 98.8        | 98.8    | 98.9        | 98.9        | 98.9    | 98.9      | 98.9      | 98.9      | 98.9      | 98.9      | 98.9    |
| GE 3500               | 99.0                        | 99.0    | 99.1    | 99.1    | 99.1    | 99.1        | 99.2    | 99.2        | 99.2        | 99.2    | 99.2      | 99.2      | 99.2      | 99.2      | 99.2      | 99.2    |
| GE 3000               | 99.3                        | 99.3    | 99.4    | 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    |
| GE 2500               | 99.4                        | 99.4    | 99.5    | 99.6    | 99.6    | 99.6        | 99.6    | 99.6        | 99.6        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7      | 99.7      | 99.7    |
| GE 2000               | 99.5                        | 99.5    | 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 1800               | 99.5                        | 99.5    | 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 1500               | 99.5                        | 99.5    | 99.7    | 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 1200               | 99.5                        | 99.5    | 99.7    | 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               | 99.5                        | 99.5    | 99.7    | 99.7    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 900                | 99.5                        | 99.6    | 99.7    | 99.7    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 800                | 99.5                        | 99.6    | 99.7    | 99.7    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 700                | 99.5                        | 99.6    | 99.7    | 99.7    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 600                | 99.5                        | 99.6    | 99.7    | 99.8    | 99.8    | 99.8        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| GE 500                | 99.5                        | 99.6    | 99.7    | 99.8    | 99.8    | 99.9        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 400                | 99.5                        | 99.6    | 99.7    | 99.8    | 99.8    | 99.9        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 100.0     | 100.0     | 100.0     | 100.0   |
| GE 300                | 99.5                        | 99.6    | 99.7    | 99.8    | 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 200                | 99.5                        | 99.6    | 99.7    | 99.8    | 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 100                | 99.5                        | 99.6    | 99.7    | 99.8    | 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 000                | 99.5                        | 99.6    | 99.7    | 99.8    | 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: 87665

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JAN HOURS:ALL

| HOURS<br>(LST) | CLEAR | SCATTERED | BROKEN | AIRWAY CLASSES |                      | GT<br>1/2 | PARTIAL<br>OBSCURATION | TOTAL<br>OBS |
|----------------|-------|-----------|--------|----------------|----------------------|-----------|------------------------|--------------|
|                |       |           |        | OVERCAST       | TOTAL<br>OBSCURATION |           |                        |              |
| 00-02          | 42.3  | 23.4      | 21.0   | 13.3           |                      | 34.3      | .4                     | 930          |
| 03-05          | 43.7  | 21.0      | 21.4   | 13.9           | .1                   | 35.4      | .5                     | 930          |
| 06-08          | 31.0  | 31.0      | 23.9   | 14.2           |                      | 38.1      | .8                     | 930          |
| 09-11          | 19.9  | 39.9      | 25.8   | 14.4           |                      | 40.2      | .6                     | 930          |
| 12-14          | 16.9  | 41.3      | 27.0   | 14.8           |                      | 41.8      | .3                     | 930          |
| 15-17          | 15.3  | 38.0      | 33.1   | 13.5           | .1                   | 46.8      | .3                     | 930          |
| 18-20          | 23.0  | 36.8      | 24.5   | 15.6           | .1                   | 40.2      | .3                     | 930          |
| 21-23          | 37.7  | 24.5      | 21.9   | 15.8           |                      | 37.7      | .2                     | 930          |
| ALL<br>HOURS   | 28.7  | 32.0      | 24.8   | 14.4           | .0                   | 39.3      | .4                     | 7440         |

MONTH: FEB HOURS: ALL

|              |      |      |      |      |    |      |    |      |
|--------------|------|------|------|------|----|------|----|------|
| 00-02        | 39.2 | 26.5 | 19.6 | 14.7 |    | 34.3 | .2 | 849  |
| 03-05        | 40.9 | 25.9 | 15.9 | 17.0 | .4 | 33.2 | .2 | 849  |
| 06-08        | 26.4 | 37.6 | 23.2 | 12.7 | .1 | 36.0 | .5 | 849  |
| 09-11        | 17.2 | 40.0 | 28.0 | 14.7 |    | 42.8 | .2 | 849  |
| 12-14        | 12.4 | 39.5 | 29.7 | 18.5 |    | 48.2 |    | 849  |
| 15-17        | 13.1 | 35.8 | 31.6 | 19.6 |    | 51.1 | .1 | 849  |
| 18-20        | 19.3 | 33.5 | 30.3 | 17.0 |    | 47.2 | .2 | 849  |
| 21-23        | 32.7 | 29.1 | 24.5 | 13.7 |    | 38.2 |    | 849  |
| ALL<br>HOURS | 25.1 | 33.5 | 25.3 | 16.0 | .1 | 41.4 | .2 | 6792 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAR HOURS: ALL

| HOURS<br>(LST) | CLEAR | SCATTERED | BROKEN | OVERCAST | AIRWAY CLASSES       |  | GT<br>1/2 | PARTIAL<br>OBSCURATION | TOTAL<br>OBS |
|----------------|-------|-----------|--------|----------|----------------------|--|-----------|------------------------|--------------|
|                |       |           |        |          | TOTAL<br>OBSCURATION |  |           |                        |              |
| 00-02          | 43.0  | 27.2      | 15.3   | 14.5     |                      |  | 29.8      | .3                     | 930          |
| 03-05          | 45.2  | 27.4      | 13.5   | 13.9     |                      |  | 27.4      | .2                     | 930          |
| 06-08          | 27.8  | 37.7      | 21.0   | 13.4     |                      |  | 34.4      | .4                     | 930          |
| 09-11          | 23.0  | 41.2      | 22.0   | 13.8     |                      |  | 35.8      | .4                     | 930          |
| 12-14          | 17.6  | 41.4      | 27.0   | 14.0     |                      |  | 41.0      | .2                     | 930          |
| 15-17          | 15.5  | 38.8      | 30.6   | 15.1     |                      |  | 45.7      | .4                     | 930          |
| 18-20          | 21.2  | 40.1      | 26.0   | 12.7     |                      |  | 38.7      |                        | 930          |
| 21-23          | 39.1  | 27.6      | 20.5   | 12.7     |                      |  | 33.2      |                        | 930          |
| ALL<br>HOURS   | 29.1  | 35.2      | 22.0   | 13.8     |                      |  | 35.8      | .3                     | 7440         |

MONTH: APR HOURS: ALL

|              |      |      |      |      |  |  |      |  |      |
|--------------|------|------|------|------|--|--|------|--|------|
| 00-02        | 49.0 | 24.6 | 15.8 | 10.7 |  |  | 26.4 |  | 900  |
| 03-05        | 47.0 | 29.2 | 15.0 | 8.8  |  |  | 23.8 |  | 900  |
| 06-08        | 30.8 | 38.0 | 22.8 | 8.4  |  |  | 31.2 |  | 900  |
| 09-11        | 24.2 | 43.4 | 21.7 | 10.7 |  |  | 32.3 |  | 900  |
| 12-14        | 15.6 | 47.7 | 25.9 | 10.9 |  |  | 36.8 |  | 900  |
| 15-17        | 13.1 | 48.4 | 26.9 | 11.6 |  |  | 38.5 |  | 899  |
| 18-20        | 22.0 | 42.9 | 23.3 | 11.8 |  |  | 35.1 |  | 897  |
| 21-23        | 41.5 | 30.2 | 17.1 | 11.3 |  |  | 28.3 |  | 897  |
| ALL<br>HOURS | 30.4 | 38.1 | 21.0 | 10.5 |  |  | 31.6 |  | 7193 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAY HOURS: ALL

| HOURS<br>(LST) | CLEAR | SCATTERED | BROKEN | AIRWAY CLASSES |                      | GT<br>1/2 | PARTIAL<br>OBSCURATION | TOTAL<br>OBS |
|----------------|-------|-----------|--------|----------------|----------------------|-----------|------------------------|--------------|
|                |       |           |        | OVERCAST       | TOTAL<br>OBSCURATION |           |                        |              |
| 00-02          | 55.8  | 25.1      | 13.8   | 5.4            |                      | 19.1      |                        | 930          |
| 03-05          | 52.2  | 32.3      | 11.3   | 4.3            |                      | 15.6      |                        | 930          |
| 06-08          | 39.1  | 41.2      | 15.2   | 4.5            |                      | 19.7      |                        | 930          |
| 09-11          | 30.3  | 48.2      | 16.8   | 4.7            |                      | 21.5      |                        | 930          |
| 12-14          | 20.6  | 54.0      | 20.8   | 4.6            |                      | 25.4      |                        | 930          |
| 15-17          | 19.2  | 50.6      | 23.7   | 6.5            |                      | 30.1      |                        | 930          |
| 18-20          | 26.0  | 45.4      | 21.8   | 6.8            |                      | 28.6      |                        | 930          |
| 21-23          | 47.5  | 30.9      | 15.3   | 6.3            |                      | 21.6      | .2                     | 930          |
| ALL<br>HOURS   | 36.4  | 40.9      | 17.3   | 5.4            |                      | 22.7      | .0                     | 7440         |

MONTH: JUN HOURS: ALL

|              |      |      |      |     |    |      |    |      |
|--------------|------|------|------|-----|----|------|----|------|
| 00-02        | 56.7 | 29.0 | 10.2 | 4.1 |    | 14.3 |    | 900  |
| 03-05        | 51.3 | 34.3 | 11.7 | 2.7 |    | 14.3 |    | 900  |
| 06-08        | 38.4 | 43.0 | 15.9 | 2.7 |    | 18.6 |    | 900  |
| 09-11        | 36.6 | 46.8 | 14.1 | 2.6 |    | 16.7 |    | 900  |
| 12-14        | 25.2 | 52.3 | 19.4 | 2.9 | .1 | 22.4 |    | 900  |
| 15-17        | 20.4 | 50.4 | 24.3 | 4.8 |    | 29.1 | .1 | 900  |
| 18-20        | 26.1 | 43.9 | 22.7 | 7.3 |    | 30.0 |    | 900  |
| 21-23        | 46.0 | 33.6 | 14.7 | 5.8 |    | 20.4 |    | 900  |
| ALL<br>HOURS | 37.6 | 41.7 | 16.6 | 4.1 | .0 | 20.7 | .0 | 7200 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUL HOURS:ALL

| HOURS<br>(LST) | CLEAR | SCATTERED | BROKEN | AIRWAY CLASSES |                      | GT<br>1/2 | PARTIAL<br>OBSCURATION | TOTAL<br>OBS |
|----------------|-------|-----------|--------|----------------|----------------------|-----------|------------------------|--------------|
|                |       |           |        | OVERCAST       | TOTAL<br>OBSCURATION |           |                        |              |
| 00-02          | 18.9  | 32.9      | 28.8   | 19.4           |                      | 48.2      |                        | 930          |
| 03-05          | 17.4  | 37.5      | 30.3   | 14.7           |                      | 45.1      |                        | 930          |
| 06-08          | 8.9   | 43.1      | 41.8   | 6.1            |                      | 48.0      | .2                     | 930          |
| 09-11          | 8.9   | 54.9      | 30.5   | 5.6            |                      | 36.1      |                        | 930          |
| 12-14          | 3.2   | 61.1      | 31.6   | 4.1            |                      | 35.7      |                        | 930          |
| 15-17          | 2.9   | 49.1      | 42.6   | 5.4            |                      | 48.0      | .1                     | 930          |
| 18-20          | 5.2   | 34.8      | 45.1   | 14.8           | .1                   | 60.0      |                        | 930          |
| 21-23          | 14.2  | 30.1      | 33.1   | 22.6           |                      | 55.7      | .1                     | 930          |
| ALL<br>HOURS   | 10.0  | 43.0      | 35.5   | 11.6           | .0                   | 47.1      | .1                     | 7440         |

MONTH: AUG HOURS: ALL

|              |      |      |      |      |  |  |      |    |      |
|--------------|------|------|------|------|--|--|------|----|------|
| 00-02        | 17.8 | 32.0 | 31.6 | 18.5 |  |  | 50.1 |    | 930  |
| 03-05        | 19.7 | 39.6 | 28.4 | 12.4 |  |  | 40.8 | .1 | 930  |
| 06-08        | 7.8  | 49.6 | 35.4 | 7.2  |  |  | 42.6 |    | 930  |
| 09-11        | 5.8  | 63.1 | 27.6 | 3.4  |  |  | 31.1 | .1 | 930  |
| 12-14        | 2.2  | 63.1 | 32.4 | 2.4  |  |  | 34.7 |    | 930  |
| 15-17        | 1.3  | 50.1 | 41.0 | 7.6  |  |  | 48.6 | .5 | 930  |
| 18-20        | 3.8  | 34.7 | 48.1 | 13.4 |  |  | 61.5 | .1 | 930  |
| 21-23        | 13.0 | 29.0 | 37.7 | 20.2 |  |  | 58.0 |    | 930  |
| ALL<br>HOURS | 8.9  | 45.2 | 35.3 | 10.6 |  |  | 45.9 | .1 | 7440 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: SEP HOURS:ALL

| HOURS<br>(LST) | CLEAR | SCATTERED | BROKEN | OVERCAST | AIRWAY CLASSES       |  | GT<br>1/2 | PARTIAL<br>OBSCURATION | TOTAL<br>OBS |
|----------------|-------|-----------|--------|----------|----------------------|--|-----------|------------------------|--------------|
|                |       |           |        |          | TOTAL<br>OBSCURATION |  |           |                        |              |
| 00-02          | 43.4  | 34.0      | 17.7   | 4.9      |                      |  | 22.6      | .1                     | 900          |
| 03-05          | 45.4  | 34.8      | 17.2   | 2.6      |                      |  | 19.8      | .2                     | 900          |
| 06-08          | 18.3  | 62.0      | 16.2   | 3.4      |                      |  | 19.7      |                        | 900          |
| 09-11          | 13.2  | 68.1      | 16.0   | 2.7      |                      |  | 18.7      |                        | 900          |
| 12-14          | 7.0   | 68.7      | 21.4   | 2.9      |                      |  | 24.3      |                        | 900          |
| 15-17          | 6.6   | 61.2      | 27.6   | 4.7      |                      |  | 32.2      |                        | 900          |
| 18-20          | 13.6  | 51.3      | 27.6   | 7.6      |                      |  | 35.1      | .4                     | 900          |
| 21-23          | 32.9  | 39.7      | 18.7   | 8.8      |                      |  | 27.4      | .2                     | 900          |
| ALL<br>HOURS   | 22.6  | 52.5      | 20.3   | 4.7      |                      |  | 25.0      | .1                     | 7200         |

MONTH: OCT HOURS: ALL

|              |      |      |      |     |  |  |      |    |      |
|--------------|------|------|------|-----|--|--|------|----|------|
| 00-02        | 50.3 | 29.5 | 15.5 | 4.7 |  |  | 20.2 |    | 930  |
| 03-05        | 53.7 | 26.0 | 15.7 | 4.6 |  |  | 20.3 |    | 930  |
| 06-08        | 32.8 | 44.3 | 18.3 | 4.6 |  |  | 22.9 | .1 | 930  |
| 09-11        | 25.9 | 46.9 | 21.3 | 5.9 |  |  | 27.2 | .5 | 930  |
| 12-14        | 15.3 | 55.5 | 21.6 | 7.6 |  |  | 29.2 | .1 | 930  |
| 15-17        | 14.8 | 53.2 | 24.1 | 7.8 |  |  | 31.9 |    | 930  |
| 18-20        | 27.8 | 45.3 | 20.0 | 6.9 |  |  | 26.9 |    | 930  |
| 21-23        | 44.9 | 32.2 | 16.6 | 6.3 |  |  | 22.9 |    | 930  |
| ALL<br>HOURS | 33.2 | 41.6 | 19.1 | 6.1 |  |  | 25.2 | .1 | 7440 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: NOV HOURS:ALL

| HOURS<br>(LST) | CLEAR | SCATTERED | BROKEN | AIRWAY CLASSES |                      | GT<br>1/2 | PARTIAL<br>OBSCURATION | TOTAL<br>OBS |
|----------------|-------|-----------|--------|----------------|----------------------|-----------|------------------------|--------------|
|                |       |           |        | OVERCAST       | TOTAL<br>OBSCURATION |           |                        |              |
| 00-02          | 55.6  | 23.2      | 13.1   | 7.9            | .2                   | 21.2      | .1                     | 900          |
| 03-05          | 53.8  | 23.2      | 13.7   | 8.9            | .4                   | 23.0      | .2                     | 900          |
| 06-08          | 32.6  | 38.4      | 20.1   | 8.6            | .3                   | 29.0      | .8                     | 900          |
| 09-11          | 23.8  | 46.0      | 20.4   | 9.7            | .1                   | 30.2      | .4                     | 900          |
| 12-14          | 19.8  | 47.4      | 23.7   | 9.1            |                      | 32.8      | .1                     | 900          |
| 15-17          | 19.8  | 45.7      | 26.6   | 8.0            |                      | 34.6      | .1                     | 900          |
| 18-20          | 34.1  | 38.1      | 19.0   | 8.8            |                      | 27.8      | .2                     | 900          |
| 21-23          | 49.9  | 26.0      | 15.4   | 8.7            |                      | 24.1      | .2                     | 900          |
| ALL<br>HOURS   | 36.2  | 36.0      | 19.0   | 8.7            | .1                   | 27.8      | .3                     | 7200         |

MONTH: DEC HOURS: ALL

|              |      |      |      |      |    |      |     |      |
|--------------|------|------|------|------|----|------|-----|------|
| 00-02        | 45.7 | 25.9 | 17.6 | 10.4 | .3 | 28.4 | .8  | 930  |
| 03-05        | 45.3 | 27.4 | 16.5 | 10.5 | .3 | 27.3 | 1.2 | 930  |
| 06-08        | 31.4 | 34.5 | 23.0 | 10.9 | .2 | 34.1 | .6  | 930  |
| 09-11        | 21.4 | 38.3 | 28.5 | 11.8 |    | 40.3 | .8  | 930  |
| 12-14        | 16.0 | 40.1 | 30.  | 13.3 |    | 43.9 | .8  | 930  |
| 15-17        | 16.2 | 38.7 | 30.8 | 14.3 |    | 45.1 | .6  | 930  |
| 18-20        | 27.6 | 30.4 | 26.9 | 14.9 | .1 | 41.9 | .9  | 930  |
| 21-23        | 43.4 | 22.5 | 20.2 | 13.8 | .1 | 34.1 | .8  | 930  |
| ALL<br>HOURS | 30.9 | 32.2 | 24.2 | 12.5 | .1 | 36.9 | .8  | 7440 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: ALL HOURS: ALL

| HOURS<br>(LST) | CLEAR | SCATTERED | BROKEN | AIRWAY CLASSES |                      | GT<br>1/2 | PARTIAL<br>OBSCURATION | TOTAL<br>OBS |
|----------------|-------|-----------|--------|----------------|----------------------|-----------|------------------------|--------------|
|                |       |           |        | OVERCAST       | TOTAL<br>OBSCURATION |           |                        |              |
| 00-02          | 43.1  | 27.8      | 18.4   | 10.7           | .0                   | 29.1      | .2                     | 10959        |
| 03-05          | 42.9  | 29.9      | 17.6   | 9.5            | .1                   | 27.2      | .2                     | 10959        |
| 06-08          | 27.1  | 41.7      | 23.1   | 8.1            | .1                   | 31.2      | .3                     | 10959        |
| 09-11          | 20.8  | 48.1      | 22.7   | 8.3            | .0                   | 31.1      | .3                     | 10959        |
| 12-14          | 14.3  | 51.1      | 25.9   | 8.7            | .0                   | 34.6      | .1                     | 10959        |
| 15-17          | 13.2  | 46.7      | 30.3   | 9.9            | .0                   | 40.1      | .2                     | 10958        |
| 18-20          | 20.8  | 39.8      | 28.0   | 11.5           | .0                   | 39.4      | .2                     | 10956        |
| 21-23          | 36.9  | 29.6      | 21.3   | 12.2           | .0                   | 33.5      | .1                     | 10956        |
| ALL<br>HOURS   | 27.4  | 39.3      | 23.4   | 9.8            | .0                   | 33.3      | .2                     | 87665        |



|          |           |          |           |            |
|----------|-----------|----------|-----------|------------|
| PPPPPPP  | AAAAAA    | RRRRRRR  | TTTTTTTTT | EEEEEEEEEE |
| PPPPPPPP | AAAAAAA   | RRRRRRRR | TTTTTTTTT | EEEEEEEEEE |
| PP PP    | AA AA     | RR RR    | TT        | EE         |
| PP PP    | AA AA     | RR RR    | TT        | EE         |
| PPPPPPPP | AA AA     | RRRRRRRR | TT        | EEEEEE     |
| PPPPPPPP | AAAAAAAAA | RRRRRRR  | TT        | EEEEEE     |
| PP       | AAAAAAAAA | RR RR    | TT        | EE         |
| PP       | AA AA     | RR RR    | TT        | EE         |
| PP       | AA AA     | RR RR    | TT        | EEEEEEEEEE |
| PP       | AA AA     | RR RR    | TT        | EEEEEEEEEE |

PART E

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

TEMPERATURE--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA AND GIVE CUMULATIVE POF FOR MAXIMUM, MINIMUM, AND MEAN TEMPERATURES, RESPECTIVELY. DATA IS SUMMARIZED BY MONTH FOR ALL YEARS COMBINED. TOTALS ARE GIVEN FOR THE WHOLE YEAR. DATA IS DISPLAYED USING 5-DEGREE FAHRENHEIT INCREMENTS (GE 0, GE 5, GE 10, ETC).. THERE IS ONE SPECIAL THRESHOLD FOR "GE 33" DEGREES. MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

NOTE 1. BEGINNING IN JANUARY 1946, DAILY MAXIMUM AND MINIMUM TEMPERATURES CAME ROUTINELY FROM HOURLY OBSERVATIONS ON AWS FORMS 10/10A OR FROM AUTOMATED DATA COLLECTION FROM ALL USAF-OPERATED STATIONS. REFER TO THE "STATION HISTORY" PAGE FOR DETAILED INFORMATION ON REPORTING PRACTICES.

MONTHLY TEMPERATURES.

ALSO FROM SUMMARY OF DAY DATA, THE TABLES GIVE MONTHLY MAXIMUM AND MINIMUM TEMPERATURES BY MONTH AND BY YEAR. MONTHLY RECORD TEMPERATURES (MAX AND MIN) ARE GIVEN, ALONG WITH TOTAL OBSERVATIONS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

MEAN MONTHLY TEMPERATURE.

ALSO FROM SUMMARY OF DAY DATA, GIVES MONTHLY MEAN TEMPERATURE BY MONTH, FOR ALL MONTHS, AND FOR ALL YEARS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

DRY BULB, WET BULB, AND DEW POINT TEMPERATURES.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS--DATA IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN. THE MEAN NUMBER OF HOURS WITH TEMPERATURES FOR VARIOUS THRESHOLDS ALSO APPEAR AS SPECIFIED IN EACH SUMMARY AND IN ACCORDANCE WITH AFM 88-29, "ENGINEERING WEATHER DATA," AND AWSP 105-56, "METEOROLOGICAL TECHNIQUES."

NOTE 1. WINTER WET BULB AND DEW POINT MEAN TEMPERATURES FOR VERY COLD STATIONS MUST BE USED WITH CAUTION. WHEN THE DRY BULB TEMPERATURE IS BELOW -35 DEGREES F, WET BULB TEMPERATURES ARE NOT REPORTED (FMH-1B). AS A RESULT, WINTER MEAN DEW POINTS (AND MORE FREQUENTLY, WINTER MEAN WET BULB TEMPERATURES) ARE ACTUALLY LOWER THAN SHOWN IN THE TABLES. IN SOME HOUR GROUPS, IN FACT, MEAN WET BULB TEMPERATURES MAY ACTUALLY BE SHOWN AS EXCEEDING THE MEAN DRY BULB TEMPERATURES.

TEMPERATURE CONVERSIONS:  $F = 1.8C + 32$

$C = K - 273.0$  (BEFORE 5 APRIL 77)

$C = K - 273.2$  (SINCE 5 APRIL 77)

RELATIVE HUMIDITY--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THESE TABLES GIVE POF OF RELATIVE HUMIDITY FOR 10% INCREMENTS. MEANS AND TOTAL OBSERVATION COUNTS ARE ALSO PROVIDED. THE DATA IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: +07

PERIOD OF RECORD: 4107-4601,4801-8904  
MONTH: ALL HOURS: ALL

| TEMP<br>(DEG-F) | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANN   |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| GE 110          |       |       |       |       |       | .7    | .4    | .2    |       |       |       |       | .1    |
| GE 105          |       |       |       |       | .2    | 11.5  | 10.3  | 1.8   | 1.2   |       |       |       | 2.1   |
| GE 100          |       |       |       | .3    | 4.    | 42.1  | 41.6  | 20.8  | 13.0  | .4    |       |       | 10.1  |
| GE 95           |       |       | .1    | 2.8   | 21.0  | 72.1  | 74.1  | 60.8  | 43.5  | 6.9   |       |       | 23.4  |
| GE 90           |       |       | .9    | 12.2  | 49.9  | 91.6  | 91.6  | 88.5  | 75.4  | 26.5  | .1    |       | 36.4  |
| GE 85           | .2    | .5    | 5.8   | 32.8  | 73.5  | 98.4  | 97.9  | 98.1  | 90.9  | 50.5  | 5.6   |       | 46.2  |
| GE 80           | 1.6   | 5.8   | 19.0  | 59.7  | 88.2  | 99.6  | 99.6  | 99.7  | 96.9  | 71.6  | 23.1  | 1.5   | 55.5  |
| GE 75           | 8.9   | 19.8  | 38.7  | 76.0  | 95.6  | 100.0 | 100.0 | 99.9  | 99.4  | 85.8  | 43.9  | 11.3  | 64.9  |
| GE 70           | 24.8  | 40.2  | 59.2  | 86.6  | 98.6  |       |       | 100.0 | 100.0 | 93.3  | 63.0  | 30.2  | 74.6  |
| GE 65           | 45.8  | 60.3  | 75.7  | 93.6  | 99.6  |       |       |       |       | 97.3  | 78.8  | 54.1  | 83.7  |
| GE 60           | 68.9  | 78.6  | 87.9  | 97.4  | 99.9  |       |       |       |       | 99.4  | 90.4  | 73.7  | 91.3  |
| GE 55           | 85.0  | 91.5  | 95.4  | 99.6  | 100.0 |       |       |       |       | 99.8  | 96.8  | 87.2  | 96.2  |
| GE 50           | 94.4  | 97.6  | 99.0  | 100.0 |       |       |       |       |       | 100.0 | 99.3  | 95.3  | 98.8  |
| GE 45           | 98.7  | 99.6  | 99.9  |       |       |       |       |       |       |       | 99.9  | 99.0  | 99.7  |
| GE 40           | 99.7  | 99.9  | 100.0 |       |       |       |       |       |       |       | 100.0 | 99.7  | 99.9  |
| GE 35           | 100.0 | 100.0 |       |       |       |       |       |       |       |       |       | 100.0 | 100.0 |
| MEAN            | 63.4  | 66.6  | 71.1  | 80.0  | 88.4  | 97.8  | 97.8  | 95.5  | 93.0  | 83.5  | 72.0  | 64.5  | 81.1  |
| SD              | 8.40  | 8.64  | 9.15  | 8.89  | 7.38  | 5.80  | 5.65  | 4.81  | 6.07  | 8.29  | 8.82  | 8.27  | 14.85 |
| TOTAL OBS       | 1457  | 1278  | 1426  | 1380  | 1395  | 1350  | 1410  | 1426  | 1380  | 1426  | 1380  | 1426  | 16734 |

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: +07

PERIOD OF RECORD: 4107-4601,4801-8904  
MONTH: ALL HOURS: ALL

| TEMP<br>(DEG-F) | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANN   |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| GE 85           |       |       |       |       |       | .1    | .6    | .1    |       |       |       |       | .1    |
| GE 80           |       |       |       |       |       | 4.4   | 9.9   | 2.3   | 1.0   |       |       |       | 1.5   |
| GE 75           |       |       |       |       | .8    | 18.4  | 46.3  | 32.9  | 12.2  | .4    |       |       | 9.3   |
| GE 70           |       |       | .1    |       | 4.9   | 44.6  | 91.1  | 85.9  | 47.4  | 3.7   |       |       | 23.2  |
| GE 65           |       |       | .1    | 2.0   | 19.9  | 74.5  | 99.9  | 99.6  | 79.3  | 19.9  | .1    |       | 33.0  |
| GE 60           |       | .2    | .8    | 12.2  | 50.8  | 93.5  | 100.0 | 100.0 | 95.2  | 47.2  | 2.7   |       | 41.9  |
| GE 55           | .8    | 2.9   | 8.1   | 34.0  | 77.6  | 99.6  |       |       | 99.2  | 74.0  | 14.3  | 1.6   | 51.0  |
| GE 50           | 8.2   | 14.2  | 26.6  | 63.2  | 93.3  | 100.0 |       |       | 100.0 | 88.6  | 39.4  | 10.4  | 62.0  |
| GE 45           | 26.7  | 37.3  | 55.8  | 85.1  | 98.6  |       |       |       |       | 96.0  | 66.7  | 32.9  | 74.9  |
| GE 40           | 55.2  | 64.0  | 80.6  | 95.6  | 99.8  |       |       |       |       | 99.5  | 85.5  | 60.2  | 86.7  |
| GE 35           | 80.6  | 85.5  | 95.4  | 99.6  | 100.0 |       |       |       |       | 99.9  | 95.2  | 84.9  | 95.1  |
| GE 33           | 87.6  | 91.9  | 97.7  | 99.9  |       |       |       |       |       | 99.9  | 98.0  | 90.5  | 97.1  |
| GE 30           | 94.2  | 96.8  | 99.4  | 100.0 |       |       |       |       |       | 100.0 | 99.6  | 96.4  | 98.9  |
| GE 25           | 99.0  | 99.5  | 99.9  |       |       |       |       |       |       |       | 100.0 | 99.3  | 99.8  |
| GE 20           | 99.7  | 100.0 | 100.0 |       |       |       |       |       |       |       |       | 100.0 | 100.0 |
| GE 15           | 100.0 |       |       |       |       |       |       |       |       |       |       |       | 100.0 |
| MEAN            | 40.2  | 42.0  | 45.3  | 51.6  | 59.2  | 68.7  | 74.3  | 73.0  | 68.8  | 58.5  | 47.1  | 41.3  | 55.8  |
| SD              | 6.60  | 6.78  | 6.42  | 6.68  | 6.39  | 6.15  | 3.79  | 3.38  | 5.16  | 6.99  | 6.92  | 6.48  | 13.81 |
| TOTAL OBS       | 1457  | 1278  | 1426  | 1380  | 1395  | 1350  | 1410  | 1426  | 1380  | 1426  | 1380  | 1426  | 16734 |

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MEAN TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: +07

PERIOD OF RECORD: 4107-4601,4801-8904  
MONTH: ALL HOURS: ALL

| TEMP<br>(DEG-F) | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANN   |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| CE 95           |       |       |       |       |       | 1.0   | 1.1   | .2    |       |       |       |       | .2    |
| GE 90           |       |       |       |       | .2    | 13.3  | 22.8  | 7.1   | 2.5   |       |       |       | 3.8   |
| GE 85           |       |       |       | .1    | 3.8   | 44.2  | 66.5  | 50.6  | 26.7  | .8    |       |       | 16.1  |
| GE 80           |       |       | .1    | 1.4   | 18.6  | 77.4  | 94.8  | 91.0  | 66.2  | 10.0  |       |       | 30.0  |
| GE 75           |       |       | .2    | 10.7  | 51.5  | 94.5  | 99.5  | 99.5  | 90.2  | 35.1  | .5    |       | 40.1  |
| GE 70           | .1    | 1.0   | 4.9   | 34.5  | 76.9  | 99.3  | 100.0 | 100.0 | 98.0  | 63.4  | 7.0   | .1    | 48.8  |
| GE 65           | 1.6   | 6.8   | 21.1  | 61.8  | 92.6  | 100.0 |       |       | 99.9  | 84.1  | 29.2  | 2.4   | 58.3  |
| GE 60           | 12.8  | 26.3  | 45.9  | 81.7  | 97.9  |       |       |       | 100.0 | 92.6  | 55.7  | 17.7  | 69.2  |
| GE 55           | 36.4  | 51.3  | 70.1  | 92.3  | 99.6  |       |       |       |       | 97.8  | 76.8  | 43.9  | 80.6  |
| GE 50           | 67.1  | 76.3  | 88.4  | 98.5  | 99.9  |       |       |       |       | 99.6  | 90.5  | 72.4  | 91.0  |
| GE 45           | 86.7  | 91.5  | 97.7  | 99.9  | 100.0 |       |       |       |       | 100.0 | 97.4  | 89.5  | 96.9  |
| GE 40           | 95.7  | 98.2  | 99.7  | 100.0 |       |       |       |       |       |       | 99.7  | 97.0  | 99.2  |
| GE 35           | 99.3  | 99.8  | 100.0 |       |       |       |       |       |       |       | 100.0 | 99.3  | 99.9  |
| GE 33           | 99.6  | 99.9  |       |       |       |       |       |       |       |       |       | 99.9  | 99.9  |
| GE 30           | 99.7  | 100.0 |       |       |       |       |       |       |       |       |       | 100.0 | 100.0 |
| GE 25           | 100.0 |       |       |       |       |       |       |       |       |       |       |       | 100.0 |
| MEAN            | 52.0  | 54.5  | 58.4  | 66.0  | 74.0  | 83.4  | 86.2  | 84.4  | 81.0  | 71.2  | 59.8  | 53.1  | 68.7  |
| SD              | 6.62  | 6.97  | 7.08  | 7.19  | 6.38  | 5.38  | 4.10  | 3.59  | 4.96  | 7.06  | 7.21  | 6.61  | 13.97 |
| TOTAL OBS       | 1457  | 1278  | 1426  | 1380  | 1395  | 1350  | 1410  | 1426  | 1380  | 1426  | 1380  | 1426  | 16734 |

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: +07

PERIOD OF RECORD: 4107-4601, 4801 8904  
MONTH: ALL HOURS: ALL

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL  | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|------|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|--------|
| 41   |     |     |     |     |     |     | 101* | 100 | 100 | 93  | 85  | 81  | 101*   |
| 42   | 82  | 79  | 87  | 92  | 103 | 110 | 111  | 104 | 103 | 97  | 89  | 79  | 111    |
| 43   | 78  | 88  | 92  | 102 | 101 | 105 | 110  | 102 | 105 | 97  | 85  | 75  | 110    |
| 44   | 78  | 78  | 83  | 88  | 103 | 108 | 108  | 111 | 105 | 99  | 87  | 76  | 111    |
| 45   | 80  | 79  | 84  | 95  | 99  | 106 | 106  | 107 | 108 | 95  | 91  | 75  | 108    |
| 46   | 80  |     |     |     |     |     |      |     |     |     |     |     | 80*    |
| 48   | 85  | 73* | 82  | 99  | 100 | 106 | 107  | 105 | 106 | 5   | 82  | 76  | 107*   |
| 49   | 70  | 83  | 89  | 97  | 103 | 106 | 104  | 105 | 104 | 94  | 86  | 80  | 106    |
| 50   | 88  | 80  | 92  | 93  | 95  | 106 | 106  | 107 | 108 | 100 | 87  | 83  | 108    |
| 51   | 81  | 89  | 81  | 93  | 106 | 105 | 106  | 103 | 102 | 97  | 80  | 77  | 106    |
| 52   | 78  | 76  | 80  | 91  | 99  | 108 | 109  | 104 | 107 | 98  | 89  | 75  | 109    |
| 53   | 88  | 79  | 92  | 94  | 99  | 112 | 110  | 108 | 105 | 100 | 89  | 77  | 112    |
| 54   | 79  | 84  | 86  | 96  | 97  | 109 | 108  | 102 | 104 | 99  | 86  | 84  | 109    |
| 55   | 76  | 82  | 87  | 89  | 101 | 108 | 109  | 97  | 102 | 101 | 84  | 81  | 109    |
| 56   | 80  | 76  | 90  | 89  | 100 | 107 | 105  | 103 | 104 | 96  | 83  | 76  | 107    |
| 57   | 73  | 88  | 85  | 87  | 95  | 108 | 106  | 101 | 101 | 96  | 77  | 74  | 108    |
| 58   | 75  | 81  | 76  | 93  | 104 | 107 | 109  | 99  | 101 | 92  | 86  | 83  | 109    |
| 59   | 80  | 77  | 83  | 95  | 99  | 106 | 104  | 100 | 103 | 96  | 79  | 78  | 106    |
| 60   | 76  | 77  | 87  | 93  | 102 | 112 | 107  | 104 | 101 | 92  | 84  | 79  | 112    |
| 61   | 75  | 80  | 84  | 97  | 100 | 107 | 104  | 101 | 96  | 93  | 76  | 74  | 107    |
| 62   | 75  | 83  | 88  | 101 | 98  | 105 | 102  | 106 | 103 | 92  | 84  | 75  | 106    |
| 63   | 79  | 88  | 86  | 97  | 97  | 102 | 105  | 102 | 100 | 99  | 83  | 71  | 105    |
| 64   | 75  | 74  | 85  | 92  | 98  | 103 | 105  | 102 | 96  | 94  | 82  | 71  | 105    |
| 65   | 76  | 77  | 85  | 96  | 98  | 101 | 105  | 103 | 98  | 97  | 84  | 79  | 105    |
| 66   | 73  | 71  | 83  | 87  | 98  | 105 | 104  | 100 | 98  | 91  | 84  | 79  | 105    |
| 67   | 80  | 82  | 89  | 87  | 98  | 104 | 105  | 102 | 99  | 92  | 86  | 68  | 105    |
| 68   | 73  | 82  | 82  | 86  | 100 | 109 | 103  | 95  | 100 | 91  | 83  | 79  | 109    |
| 69   | 81  | 73  | 86  | 95  | 103 | 106 | 106  | 105 | 101 | 96  | 78  | 78  | 106    |
| 70   | 76  | 79  | 77  | 86  | 100 | 111 | 106  | 100 | 102 | 86  | 84  | 82  | 111    |
| 71   | 84  | 78  | 90  | 91  | 94  | 105 | 109  | 97  | 101 | 87  | 85  | 79  | 109    |
| 72   | 77  | 83  | 89  | 92  | 97  | 107 | 108  | 107 | 97  | 97  | 78  | 73  | 108    |
| 73   | 75  | 76  | 74  | 90  | 99  | 108 | 108  | 104 | 104 | 96  | 87  | 81  | 108    |
| 74   | 79  | 80  | 87  | 91  | 106 | 110 | 103  | 100 | 101 | 94  | 79  | 72  | 110    |
| 75   | 77  | 78  | 84  | 88  | 97  | 104 | 102  | 107 | 97  | 95  | 88  | 80  | 107    |

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: +07

PERIOD OF RECORD: 4107 4601,4801-8994  
MONTH: ALL HOURS: ALL

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 76   | 79  | 81  | 84  | 88  | 97  | 107 | 104 | 102 | 96  | 90  | 82  | 73  | 107    |
| 77   | 72  | 80  | 81  | 90  | 102 | 106 | 103 | 104 | 101 | 98  | 85  | 77  | 106    |
| 78   | 72  | 75  | 85  | 92  | 103 | 110 | 108 | 100 | 98  | 95  | 84  | 74  | 110    |
| 79   | 70  | 80  | 79  | 90  | 97  | 109 | 110 | 101 | 103 | 97  | 81  | 78  | 110    |
| 80   | 72  | 81  | 77  | 94  | 98  | 107 | 107 | 104 | 102 | 101 | 90  | 81  | 107    |
| 81   | 79  | 83  | 82  | 92  | 92  | 108 | 106 | 106 | 99  | 90  | 86  | 82  | 108    |
| 82   | 79  | 83  | 81  | 91  | 97  | 106 | 108 | 102 | 103 | 93  | 79  | 75  | 108    |
| 83   | 75  | 74  | 81  | 88  | 103 | 102 | 110 | 103 | 103 | 86  | 81  | 75  | 110    |
| 84   | 73  | 76  | 83  | 91  | 105 | 101 | 102 | 102 | 101 | 87  | 85  | 72  | 105    |
| 85   | 68  | 79  | 82  | 92  | 98  | 108 | 107 | 105 | 97  | 94  | 85  | 73  | 108    |
| 86   | 79  | 83  | 88  | 89  | 97  | 104 | 108 | 102 | 102 | 90  | 78  | 74  | 108    |
| 87   | 81  | 78  | 80  | 93  | 93  | 105 | 105 | 101 | 100 | 97  | 81  | 79  | 105    |
| 88   | 76  | 80  | 97  | 91  | 98  | 109 | 104 | 104 | 102 | 95  | 87  | 78  | 109    |
| 89   | 74  | 81  | 94  | 100 |     |     |     |     |     |     |     |     | 100*   |

|           |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| GREATEST  | 88   | 89   | 97   | 102  | 106  | 112  | 111  | 111  | 108  | 101  | 91   | 84   | 112   |
| TOTAL OBS | 1457 | 1278 | 1426 | 1380 | 1395 | 1350 | 1410 | 1426 | 1380 | 1426 | 1380 | 1426 | 16734 |

THE GREATEST VALUE OF 112 OCCURRED ON 06/30/53

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: +07

PERIOD OF RECORD: 4107-4601,4801-8904  
MONTH: ALL HOURS: ALL

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 41   |     |     |     |     |     |     | 66* | 68  | 51  | 40  | 30  | 29  | 29*    |
| 42   | 28  | 32  | 33  | 39  | 47  | 61  | 64  | 69  | 63  | 43  | 34  | 33  | 28     |
| 43   | 31  | 29  | 40  | 42  | 49  | 57  | 67  | 65  | 61  | 37  | 37  | 33  | 29     |
| 44   | 30  | 32  | 34  | 31  | 49  | 55  | 67  | 66  | 61  | 50  | 33  | 34  | 30     |
| 45   | 30  | 33  | 32  | 33  | 50  | 56  | 65  | 64  | 53  | 46  | 34  | 27  | 27     |
| 46   | 29  |     |     |     |     |     |     |     |     |     |     |     | 29*    |
| 48   | 24  | 34* | 30  | 39  | 50  | 56  | 69  | 70  | 66  | 42  | 31  | 29  | 24*    |
| 49   | 25  | 29  | 34  | 38  | 51  | 56  | 68  | 67  | 67  | 37  | 39  | 24  | 24     |
| 50   | 21  | 33  | 38  | 42  | 39  | 58  | 65  | 66  | 57  | 53  | 42  | 35  | 21     |
| 51   | 27  | 29  | 32  | 39  | 41  | 57  | 70  | 65  | 65  | 47  | 36  | 28  | 27     |
| 52   | 27  | 26  | 31  | 44  | 52  | 59  | 68  | 65  | 60  | 53  | 34  | 31  | 26     |
| 53   | 32  | 26  | 32  | 41  | 46  | 58  | 67  | 68  | 62  | 45  | 30  | 31  | 24     |
| 54   | 33  | 35  | 33  | 49  | 49  | 59  | 70  | 65  | 63  | 46  | 37  | 25  | 25     |
| 55   | 27  | 23  | 31  | 41  | 46  | 54  | 63  | 69  | 61  | 49  | 34  | 34  | 23     |
| 56   | 34  | 26  | 31  | 35  | 52  | 64  | 67  | 67  | 66  | 41  | 28  | 30  | 26     |
| 57   | 33  | 35  | 37  | 41  | 48  | 63  | 72  | 67  | 61  | 49  | 32  | 32  | 32     |
| 58   | 28  | 33  | 34  | 38  | 53  | 65  | 69  | 70  | 55  | 48  | 26  | 33  | 26     |
| 59   | 30  | 33  | 35  | 50  | 47  | 62  | 67  | 69  | 59  | 40  | 39  | 31  | 30     |
| 60   | 27  | 26  | 36  | 41  | 50  | 64  | 70  | 68  | 58  | 46  | 31  | 20  | 20     |
| 61   | 35  | 36  | 38  | 43  | 52  | 55  | 67  | 64  | 58  | 40  | 32  | 33  | 32     |
| 62   | 21  | 32  | 29  | 46  | 44  | 50  | 66  | 66  | 61  | 43  | 33  | 37  | 21     |
| 63   | 24  | 36  | 32  | 37  | 51  | 54  | 69  | 67  | 65  | 52  | 36  | 32  | 24     |
| 64   | 20  | 24  | 29  | 38  | 41  | 59  | 68  | 65  | 58  | 50  | 30  | 32  | 20     |
| 65   | 29  | 23  | 27  | 38  | 41  | 53  | 65  | 65  | 52  | 42  | 39  | 32  | 23     |
| 66   | 28  | 30  | 28  | 41  | 50  | 58  | 70  | 70  | 65  | 42  | 33  | 24  | 24     |
| 67   | 21  | 33  | 34  | 34  | 37  | 58  | 69  | 69  | 63  | 43  | 38  | 26  | 21     |
| 68   | 32  | 35  | 35  | 36  | 46  | 55  | 68  | 65  | 54  | 47  | 32  | 23  | 23     |
| 69   | 28  | 29  | 30  | 44  | 41  | 59  | 69  | 70  | 63  | 41  | 33  | 24  | 24     |
| 70   | 25  | 29  | 36  | 37  | 44  | 58  | 70  | 69  | 56  | 37  | 40  | 32  | 25     |
| 71   | 17  | 28  | 22  | 40  | 49  | 54  | 70  | 67  | 55  | 31  | 36  | 27  | 17     |
| 72   | 27  | 32  | 35  | 40  | 50  | 64  | 69  | 66  | 58  | 39  | 34  | 28  | 27     |
| 73   | 27  | 35  | 33  | 35  | 42  | 57  | 66  | 69  | 57  | 45  | 30  | 27  | 27     |
| 74   | 31  | 28  | 33  | 40  | 45  | 62  | 69  | 68  | 62  | 40  | 36  | 22  | 22     |
| 75   | 27  | 27  | 33  | 37  | 41  | 59  | 68  | 69  | 61  | 40  | 33  | 28  | 27     |

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: +07

PERIOD OF RECORD: 4107-4601,4801-8904  
MONTH: ALL HOURS: ALL

| YEAR      | JAN  | FEB  | MAR  | APR  | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  | NOV  | DEC  | ANNUAL |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 76        | 25   | 34   | 32   | 33   | 49   | 54   | 68   | 67   | 61   | 41   | 29   | 30   | 25     |
| 77        | 29   | 30   | 32   | 36   | 45   | 61   | 70   | 69   | 64   | 51   | 40   | 37   | 29     |
| 78        | 30   | 29   | 38   | 35   | 46   | 60   | 66   | 68   | 58   | 50   | 37   | 22   | 22     |
| 79        | 27   | 32   | 35   | 34   | 43   | 55   | 66   | 63   | 61   | 42   | 28   | 33   | 27     |
| 80        | 36   | 38   | 40   | 40   | 43   | 55   | 69   | 66   | 64   | 44   | 35   | 32   | 32     |
| 81        | 39   | 32   | 38   | 39   | 51   | 65   | 70   | 69   | 62   | 44   | 36   | 32   | 32     |
| 82        | 32   | 33   | 36   | 39   | 51   | 60   | 67   | 67   | 58   | 43   | 36   | 30   | 30     |
| 83        | 30   | 32   | 38   | 37   | 47   | 58   | 66   | 65   | 64   | 54   | 32   | 36   | 30     |
| 84        | 31   | 30   | 38   | 39   | 49   | 64   | 68   | 67   | 61   | 48   | 31   | 32   | 30     |
| 85        | 32   | 25   | 34   | 44   | 51   | 55   | 69   | 66   | 56   | 51   | 33   | 29   | 25     |
| 86        | 36   | 31   | 37   | 39   | 46   | 64   | 66   | 69   | 52   | 47   | 40   | 36   | 31     |
| 87        | 26   | 34   | 35   | 45   | 51   | 63   | 66   | 64   | 59   | 55   | 32   | 27   | 26     |
| 88        | 29   | 34   | 32   | 37   | 38   | 56   | 70   | 70   | 56   | 55   | 34   | 23   | 23     |
| 89        | 29   | 33   | 33   | 44   |      |      |      |      |      |      |      |      | 29*    |
| .....     |      |      |      |      |      |      |      |      |      |      |      |      |        |
| LEAST     | 17   | 23   | 22   | 31   | 37   | 50   | 63   | 63   | 51   | 31   | 26   | 20   | 17     |
| .....     |      |      |      |      |      |      |      |      |      |      |      |      |        |
| TOTAL OBS | 1457 | 1278 | 1426 | 1380 | 1395 | 1350 | 1410 | 1426 | 1380 | 1426 | 1380 | 1426 | 16734  |

THE LEAST VALUE OF 17 OCCURRED ON 01/05/71

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: +07

PERIOD OF RECORD: 4107-4601,4801-8904  
MONTH: ALL HOURS: ALL

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 41   |     |     |     |     |     |     | 83* | 83  | 79  | 67  | 61  | 52  | 70*    |
| 42   | 53  | 52  | 58  | 65  | 75  | 85  | 90  | 86  | 83  | 71  | 66  | 56  | 70     |
| 43   | 54  | 59  | 62  | 71  | 76  | 83  | 88  | 84  | 82  | 72  | 63  | 54  | 71     |
| 44   | 52  | 52  | 57  | 64  | 75  | 82  | 88  | 88  | 81  | 74  | 56  | 53  | 68     |
| 45   | 52  | 55  | 56  | 64  | 75  | 80  | 87  | 85  | 83  | 73  | 60  | 52  | 69     |
| 46   | 49  |     |     |     |     |     |     |     |     |     |     |     | 49*    |
| 48   | 54  | 49* | 55  | 69  | 75  | 83  | 87  | 86  | 83  | 72  | 56  | 53  | 70*    |
| 49   | 45  | 52  | 59  | 68  | 74  | 84  | 85  | 85  | 83  | 68  | 67  | 53  | 69     |
| 50   | 52  | 58  | 61  | 70  | 73  | 82  | 83  | 85  | 79  | 78  | 65  | 59  | 71     |
| 51   | 51  | 55  | 59  | 65  | 75  | 82  | 89  | 85  | 84  | 74  | 60  | 53  | 69     |
| 52   | 53  | 53  | 53  | 66  | 78  | 85  | 87  | 87  | 85  | 79  | 58  | 52  | 70     |
| 53   | 56  | 53  | 61  | 67  | 71  | 86  | 88  | 89  | 86  | 74  | 64  | 51  | 71     |
| 54   | 56  | 63  | 60  | 74  | 78  | 85  | 87  | 85  | 84  | 75  | 64  | 56  | 72     |
| 55   | 48  | 51  | 61  | 66  | 73  | 84  | 85  | 83  | 83  | 76  | 60  | 57  | 69     |
| 56   | 58  | 49  | 61  | 65  | 77  | 87  | 86  | 84  | 84  | 71  | 59  | 54  | 70     |
| 57   | 54  | 62  | 60  | 65  | 71  | 86  | 88  | 85  | 82  | 69  | 56  | 56  | 69     |
| 58   | 52  | 57  | 55  | 65  | 80  | 86  | 88  | 85  | 81  | 73  | 60  | 58  | 70     |
| 59   | 56  | 54  | 61  | 72  | 75  | 87  | 88  | 83  | 82  | 72  | 61  | 54  | 70     |
| 60   | 49  | 50  | 63  | 68  | 75  | 86  | 88  | 86  | 82  | 68  | 60  | 52  | 69     |
| 61   | 55  | 55  | 59  | 68  | 75  | 84  | 85  | 81  | 77  | 69  | 55  | 52  | 68     |
| 62   | 50  | 56  | 55  | 71  | 72  | 80  | 85  | 87  | 82  | 70  | 61  | 55  | 69     |
| 63   | 50  | 59  | 59  | 66  | 77  | 80  | 87  | 82  | 84  | 74  | 59  | 53  | 69     |
| 64   | 48  | 48  | 55  | 63  | 72  | 82  | 85  | 82  | 76  | 72  | 54  | 51  | 66     |
| 65   | 53  | 51  | 55  | 64  | 69  | 77  | 83  | 85  | 78  | 74  | 63  | 53  | 67     |
| 66   | 48  | 48  | 60  | 66  | 76  | 83  | 86  | 84  | 80  | 70  | 62  | 53  | 68     |
| 67   | 52  | 57  | 63  | 62  | 72  | 81  | 85  | 84  | 81  | 72  | 63  | 49  | 68     |
| 68   | 52  | 58  | 57  | 62  | 72  | 82  | 84  | 80  | 80  | 71  | 58  | 51  | 67     |
| 69   | 55  | 52  | 53  | 67  | 75  | 81  | 86  | 86  | 82  | 67  | 58  | 53  | 68     |
| 70   | 50  | 57  | 54  | 60  | 76  | 83  | 87  | 84  | 77  | 67  | 62  | 54  | 68     |
| 71   | 50  | 52  | 61  | 65  | 71  | 83  | 89  | 81  | 79  | 65  | 58  | 48  | 67     |
| 72   | 51  | 57  | 66  | 67  | 74  | 83  | 88  | 83  | 79  | 67  | 53  | 49  | 68     |
| 73   | 48  | 53  | 51  | 60  | 74  | 83  | 85  | 86  | 81  | 72  | 59  | 53  | 67     |
| 74   | 52  | 54  | 62  | 67  | 76  | 89  | 85  | 84  | 78  | 71  | 59  | 48  | 69     |
| 75   | 51  | 52  | 57  | 60  | 71  | 82  | 84  | 87  | 81  | 71  | 60  | 54  | 68     |

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: +07

PERIOD OF RECORD: 4107-4601,4801-8904  
MONTH: ALL HOURS: ALL

| YEAR      | JAN  | FEB  | MAR  | APR  | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  | NOV  | DEC  | ANNUAL |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 76        | 54   | 58   | 58   | 65   | 73   | 82   | 84   | 86   | 79   | 68   | 60   | 53   | 68     |
| 77        | 50   | 56   | 54   | 65   | 70   | 84   | 86   | 86   | 82   | 73   | 61   | 56   | 69     |
| 78        | 52   | 53   | 60   | 64   | 73   | 85   | 88   | 84   | 81   | 74   | 58   | 49   | 69     |
| 79        | 48   | 54   | 56   | 65   | 72   | 83   | 87   | 83   | 84   | 73   | 57   | 56   | 68     |
| 80        | 54   | 58   | 57   | 65   | 71   | 85   | 88   | 83   | 81   | 71   | 61   | 59   | 70     |
| 81        | 56   | 58   | 56   | 68   | 73   | 87   | 86   | 87   | 82   | 70   | 64   | 57   | 70     |
| 82        | 52   | 56   | 59   | 67   | 73   | 82   | 85   | 84   | 80   | 68   | 58   | 50   | 68     |
| 83        | 53   | 52   | 56   | 60   | 73   | 81   | 86   | 83   | 81   | 68   | 57   | 54   | 67     |
| 84        | 53   | 54   | 60   | 63   | 79   | 83   | 83   | 82   | 81   | 66   | 58   | 51   | 68     |
| 85        | 50   | 53   | 59   | 69   | 76   | 85   | 86   | 85   | 77   | 69   | 58   | 52   | 68     |
| 86        | 56   | 54   | 61   | 67   | 74   | 85   | 84   | 84   | 78   | 69   | 60   | 53   | 69     |
| 87        | 51   | 54   | 56   | 70   | 73   | 85   | 86   | 84   | 79   | 75   | 59   | 50   | 68     |
| 88        | 52   | 58   | 59   | 65   | 73   | 84   | 87   | 85   | 80   | 74   | 59   | 52   | 69     |
| 89        | 52   | 57   | 66   | 74   |      |      |      |      |      |      |      |      | 62*    |
|           |      |      |      |      |      |      |      |      |      |      |      |      |        |
| MEAN      | 52.0 | 54.5 | 58.4 | 66.0 | 74.0 | 83.4 | 86.2 | 84.4 | 81.0 | 71.2 | 59.8 | 53.1 | 68.7   |
|           |      |      |      |      |      |      |      |      |      |      |      |      |        |
| TOTAL OBS | 1457 | 1278 | 1426 | 1380 | 1395 | 1350 | 1410 | 1426 | 1380 | 1426 | 1380 | 1426 | 16734  |

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JAN

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F |       |       |       |       | TOTAL<br>HOURS |
|--------------|------|-----------------------|--------------|----------------------------------------------|-------|-------|-------|-------|----------------|
|              |      |                       |              | LE 0                                         | LE 32 | GE 65 | GE 80 | GE 93 |                |
| 00-02        | 46.0 | 6.451                 | 930          | 0                                            | 19    | 0     | 0     | 0     | 930            |
| 03-05        | 44.6 | 6.564                 | 930          | 0                                            | 31    | 0     | 0     | 0     | 930            |
| 06-08        | 43.9 | 6.675                 | 930          | 0                                            | 46    | 0     | 0     | 0     | 930            |
| 09-11        | 52.7 | 7.117                 | 930          | 0                                            | 3     | 40    | 0     | 0     | 930            |
| 12-14        | 60.4 | 7.588                 | 930          | 0                                            | 0     | 281   | 1     | 0     | 930            |
| 15-17        | 62.1 | 7.750                 | 930          | 0                                            | 0     | 374   | 3     | 0     | 930            |
| 18-20        | 55.0 | 6.739                 | 930          | 0                                            | 0     | 78    | 0     | 0     | 930            |
| 21-23        | 48.4 | 6.230                 | 930          | 0                                            | 6     | 2     | 0     | 0     | 930            |
| ALL<br>HOURS | 51.6 | 9.556                 | 7440         | 0                                            | 105   | 775   | 4     | 0     | 7440           |

MONTH: FEB

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F |       |       |       |       | TOTAL<br>HOURS |
|--------------|------|-----------------------|--------------|----------------------------------------------|-------|-------|-------|-------|----------------|
|              |      |                       |              | LE 0                                         | LE 32 | GE 65 | GE 80 | GE 93 |                |
| 00-02        | 48.0 | 6.556                 | 849          | 0                                            | 7     | 0     | 0     | 0     | 849            |
| 03-05        | 46.2 | 6.378                 | 849          | 0                                            | 10    | 0     | 0     | 0     | 849            |
| 06-08        | 45.8 | 6.509                 | 849          | 0                                            | 19    | 0     | 0     | 0     | 849            |
| 09-11        | 56.0 | 7.947                 | 849          | 0                                            | 2     | 120   | 0     | 0     | 849            |
| 12-14        | 63.8 | 8.865                 | 849          | 0                                            | 0     | 415   | 20    | 0     | 849            |
| 15-1         | 65.5 | 9.148                 | 849          | 0                                            | 0     | 468   | 45    | 0     | 849            |
| 18-20        | 59.5 | 8.096                 | 849          | 0                                            | 0     | 251   | 1     | 0     | 849            |
| 21-23        | 52.1 | 6.758                 | 849          | 0                                            | 2     | 20    | 0     | 0     | 849            |
| ALL<br>HOURS | 54.6 | 10.562                | 6792         | 0                                            | 40    | 1274  | 66    | 0     | 6792           |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAR

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F |       |       |       |       | TOTAL<br>HOURS |
|--------------|------|-----------------------|--------------|----------------------------------------------|-------|-------|-------|-------|----------------|
|              |      |                       |              | LE 0                                         | LE 32 | GE 65 | GE 80 | GE 93 |                |
| 00-02        | 52.0 | 6.187                 | 930          | 0                                            | 0     | 16    | 0     | 0     | 930            |
| 03-05        | 49.3 | 5.970                 | 930          | 0                                            | 1     | 4     | 0     | 0     | 930            |
| 06-08        | 49.8 | 6.328                 | 930          | 0                                            | 2     | 8     | 0     | 0     | 930            |
| 09-11        | 61.2 | 8.156                 | 930          | 0                                            | 0     | 313   | 13    | 0     | 930            |
| 12-14        | 67.9 | 9.087                 | 930          | 0                                            | 0     | 596   | 90    | 2     | 930            |
| 15-17        | 69.6 | 9.365                 | 930          | 0                                            | 0     | 657   | 126   | 6     | 930            |
| 18-20        | 64.6 | 8.594                 | 930          | 0                                            | 0     | 478   | 44    | 1     | 930            |
| 21-23        | 57.2 | 7.025                 | 930          | 0                                            | 0     | 145   | 0     | 0     | 930            |
| ALL<br>HOURS | 59.0 | 10.779                | 7440         | 0                                            | 3     | 2217  | 273   | 9     | 7440           |

MONTH: APR

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F |       |       |       |       | TOTAL<br>HOURS |
|--------------|------|-----------------------|--------------|----------------------------------------------|-------|-------|-------|-------|----------------|
|              |      |                       |              | LE 0                                         | LE 32 | GE 65 | GE 80 | GE 93 |                |
| 00-02        | 58.6 | 7.656                 | 900          | 0                                            | 0     | 224   | 1     | 0     | 900            |
| 03-05        | 55.4 | 7.389                 | 900          | 0                                            | 0     | 102   | 0     | 0     | 900            |
| 06-08        | 57.7 | 7.975                 | 900          | 0                                            | 0     | 185   | 0     | 0     | 900            |
| 09-11        | 70.3 | 9.016                 | 900          | 0                                            | 0     | 681   | 133   | 2     | 900            |
| 12-14        | 77.0 | 9.434                 | 900          | 0                                            | 0     | 791   | 415   | 19    | 900            |
| 15-17        | 78.8 | 9.298                 | 899          | 0                                            | 0     | 816   | 506   | 25    | 899            |
| 18-20        | 73.6 | 9.299                 | 897          | 0                                            | 0     | 737   | 243   | 7     | 897            |
| 21-23        | 65.0 | 8.206                 | 897          | 0                                            | 0     | 492   | 20    | 0     | 897            |
| ALL<br>HOURS | 67.0 | 12.150                | 7193         | 0                                            | 0     | 4028  | 1318  | 53    | 7193           |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAY

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F |       |       |       |       | TOTAL<br>HOURS |
|--------------|------|-----------------------|--------------|----------------------------------------------|-------|-------|-------|-------|----------------|
|              |      |                       |              | LE 0                                         | LE 32 | GE 65 | GE 80 | GE 93 |                |
| 00-02        | 65.5 | 6.622                 | 930          | 0                                            | 0     | 534   | 15    | 0     | 930            |
| 03-05        | 61.4 | 6.574                 | 930          | 0                                            | 0     | 302   | 3     | 0     | 930            |
| 06-08        | 65.7 | 7.801                 | 930          | 0                                            | 0     | 527   | 27    | 0     | 930            |
| 09-11        | 78.0 | 7.684                 | 930          | 0                                            | 0     | 879   | 420   | 17    | 930            |
| 12-14        | 84.3 | 7.728                 | 930          | 0                                            | 0     | 914   | 715   | 125   | 930            |
| 15-17        | 86.1 | 7.625                 | 930          | 0                                            | 0     | 922   | 764   | 185   | 930            |
| 18-20        | 81.7 | 7.741                 | 930          | 0                                            | 0     | 912   | 587   | 66    | 930            |
| 21-23        | 72.9 | 6.868                 | 930          | 0                                            | 0     | 822   | 159   | 0     | 930            |
| ALL<br>HOURS | 74.4 | 11.475                | 7440         | 0                                            | 0     | 5812  | 2690  | 393   | 7440           |

MONTH: JUN

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F |       |       |       |       | TOTAL<br>HOURS |
|--------------|------|-----------------------|--------------|----------------------------------------------|-------|-------|-------|-------|----------------|
|              |      |                       |              | LE 0                                         | LE 32 | GE 65 | GE 80 | GE 93 |                |
| 00-02        | 75.4 | 6.097                 | 900          | 0                                            | 0     | 866   | 220   | 0     | 900            |
| 03-05        | 71.1 | 5.823                 | 900          | 0                                            | 0     | 792   | 60    | 0     | 900            |
| 06-08        | 75.6 | 6.583                 | 900          | 0                                            | 0     | 855   | 268   | 1     | 900            |
| 09-11        | 87.8 | 5.702                 | 900          | 0                                            | 0     | 899   | 837   | 185   | 900            |
| 12-14        | 94.7 | 5.655                 | 900          | 0                                            | 0     | 899   | 890   | 606   | 900            |
| 15-17        | 96.6 | 6.188                 | 900          | 0                                            | 0     | 899   | 885   | 716   | 900            |
| 18-20        | 92.3 | 6.466                 | 900          | 0                                            | 0     | 898   | 866   | 469   | 900            |
| 21-23        | 83.3 | 6.160                 | 900          | 0                                            | 0     | 897   | 664   | 52    | 900            |
| ALL<br>HOURS | 84.6 | 10.993                | 7200         | 0                                            | 0     | 7005  | 4690  | 2029  | 7200           |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUL

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F |       |       |       |       | TOTAL<br>HOURS |
|--------------|------|-----------------------|--------------|----------------------------------------------|-------|-------|-------|-------|----------------|
|              |      |                       |              | LE 0                                         | LE 32 | GE 65 | GE 80 | GE 93 |                |
| 00-02        | 78.7 | 4.828                 | 930          | 0                                            | 0     | 930   | 378   | 0     | 930            |
| 03-05        | 76.0 | 4.313                 | 929          | 0                                            | 0     | 929   | 198   | 0     | 929            |
| 06-08        | 78.1 | 4.883                 | 930          | 0                                            | 0     | 930   | 351   | 0     | 930            |
| 09-11        | 87.3 | 5.370                 | 930          | 0                                            | 0     | 930   | 856   | 154   | 930            |
| 12-14        | 93.9 | 5.950                 | 930          | 0                                            | 0     | 930   | 913   | 590   | 930            |
| 15-17        | 95.1 | 7.552                 | 930          | 0                                            | 0     | 930   | 895   | 655   | 930            |
| 18-20        | 90.4 | 8.139                 | 930          | 0                                            | 0     | 930   | 824   | 437   | 930            |
| 21-23        | 83.4 | 6.277                 | 930          | 0                                            | 0     | 930   | 643   | 67    | 930            |
| ALL<br>HOURS | 85.3 | 9.173                 | 7439         | 0                                            | 0     | 7439  | 5058  | 1903  | 7439           |

MONTH: AUG

|              |      |       |      |   |   |      |      |      |      |
|--------------|------|-------|------|---|---|------|------|------|------|
| 00-02        | 77.3 | 4.428 | 930  | 0 | 0 | 930  | 308  | 0    | 930  |
| 03-05        | 74.8 | 4.105 | 930  | 0 | 0 | 926  | 128  | 0    | 930  |
| 06-08        | 76.0 | 4.507 | 930  | 0 | 0 | 928  | 206  | 0    | 930  |
| 09-11        | 85.4 | 5.101 | 930  | 0 | 0 | 930  | 810  | 72   | 930  |
| 12-14        | 91.6 | 5.243 | 930  | 0 | 0 | 930  | 911  | 439  | 930  |
| 15-17        | 92.0 | 7.094 | 930  | 0 | 0 | 930  | 862  | 537  | 930  |
| 18-20        | 86.9 | 7.471 | 930  | 0 | 0 | 930  | 742  | 251  | 930  |
| 21-23        | 81.0 | 5.673 | 930  | 0 | 0 | 930  | 564  | 8    | 930  |
| ALL<br>HOURS | 83.1 | 8.520 | 7440 | 0 | 0 | 7434 | 4531 | 1307 | 7440 |



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: SEP

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F |       |       |       |       | TOTAL<br>HOURS |
|--------------|------|-----------------------|--------------|----------------------------------------------|-------|-------|-------|-------|----------------|
|              |      |                       |              | LE 0                                         | LE 32 | GE 65 | GE 80 | GE 93 |                |
| 00-02        | 72.9 | 5.563                 | 900          | 0                                            | 0     | 839   | 110   | 0     | 900            |
| 03-05        | 70.5 | 5.561                 | 900          | 0                                            | 0     | 775   | 45    | 0     | 900            |
| 06-08        | 71.5 | 5.995                 | 900          | 0                                            | 0     | 785   | 83    | 0     | 900            |
| 09-11        | 82.9 | .285                  | 900          | 0                                            | 0     | 894   | 669   | 49    | 900            |
| 12-14        | 89.4 | 6.666                 | 900          | 0                                            | 0     | 897   | 827   | 303   | 900            |
| 15-17        | 90.2 | 7.230                 | 900          | 0                                            | 0     | 900   | 805   | 404   | 900            |
| 18-20        | 84.2 | 7.442                 | 900          | 0                                            | 0     | 894   | 689   | 93    | 900            |
| 21-23        | 77.0 | 6.205                 | 900          | 0                                            | 0     | 874   | 332   | 1     | 900            |
| ALL<br>HOURS | 79.8 | 9.781                 | 7200         | 0                                            | 0     | 6858  | 3560  | 850   | 7200           |

MONTH: OCT

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F |       |       |       |       | TOTAL<br>HOURS |
|--------------|------|-----------------------|--------------|----------------------------------------------|-------|-------|-------|-------|----------------|
|              |      |                       |              | LE 0                                         | LE 32 | GE 65 | GE 80 | GE 93 |                |
| 00-02        | 62.7 | 6.511                 | 930          | 0                                            | 0     | 349   | 5     | 0     | 930            |
| 03-05        | 60.5 | 6.423                 | 930          | 0                                            | 0     | 254   | 3     | 0     | 930            |
| 06-08        | 61.1 | 6.606                 | 930          | 0                                            | 0     | 292   | 1     | 0     | 930            |
| 09-11        | 73.1 | 7.553                 | 930          | 0                                            | 0     | 803   | 188   | 2     | 930            |
| 12-14        | 79.9 | 7.758                 | 930          | 0                                            | 0     | 898   | 515   | 42    | 930            |
| 15-17        | 81.0 | 8.027                 | 930          | 0                                            | 0     | 898   | 564   | 68    | 930            |
| 18-20        | 73.9 | 7.530                 | 930          | 0                                            | 0     | 828   | 216   | 4     | 930            |
| 21-23        | 66.4 | 6.773                 | 930          | 0                                            | 0     | 555   | 33    | 0     | 930            |
| ALL<br>HOURS | 69.8 | 10.565                | 7440         | 0                                            | 0     | 4877  | 1525  | 116   | 7440           |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: NOV

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F |       |       |       |       | TOTAL<br>HOURS |
|--------------|------|-----------------------|--------------|----------------------------------------------|-------|-------|-------|-------|----------------|
|              |      |                       |              | LE 0                                         | LE 32 | GE 65 | GE 80 | GE 93 |                |
| 00-02        | 51.7 | 7.208                 | 900          | 0                                            | 3     | 18    | 0     | 0     | 900            |
| 03-05        | 50.1 | 7.219                 | 900          | 0                                            | 9     | 10    | 0     | 0     | 900            |
| 06-08        | 50.1 | 7.465                 | 899          | 0                                            | 9     | 8     | 0     | 0     | 899            |
| 09-11        | 61.0 | 8.326                 | 900          | 0                                            | 0     | 318   | 8     | 0     | 900            |
| 12-14        | 68.1 | 9.004                 | 900          | 0                                            | 0     | 595   | 96    | 0     | 900            |
| 15-17        | 68.9 | 9.130                 | 900          | 0                                            | 0     | 617   | 116   | 0     | 900            |
| 18-20        | 60.9 | 7.798                 | 900          | 0                                            | 0     | 312   | 1     | 0     | 900            |
| 21-23        | 53.9 | 7.058                 | 900          | 0                                            | 0     | 46    | 0     | 0     | 900            |
| ALL<br>HOURS | 58.1 | 10.730                | 7199         | 0                                            | 21    | 1924  | 221   | 0     | 7199           |

MONTH: DEC

|              |      |       |      |   |     |     |    |   |      |
|--------------|------|-------|------|---|-----|-----|----|---|------|
| 00-02        | 46.2 | 6.415 | 930  | 0 | 28  | 0   | 0  | 0 | 930  |
| 03-05        | 45.1 | 6.576 | 930  | 0 | 30  | 0   | 0  | 0 | 930  |
| 06-08        | 44.6 | 6.780 | 930  | 0 | 38  | 0   | 0  | 0 | 930  |
| 09-11        | 54.2 | 7.761 | 930  | 0 | 7   | 82  | 0  | 0 | 930  |
| 12-14        | 61.7 | 8.538 | 930  | 0 | 0   | 368 | 4  | 0 | 930  |
| 15-17        | 62.6 | 8.618 | 929  | 0 | 0   | 407 | 7  | 0 | 929  |
| 18-20        | 54.5 | 6.896 | 930  | 0 | 0   | 60  | 0  | 0 | 930  |
| 21-23        | 48.4 | 6.415 | 930  | 0 | 11  | 0   | 0  | 0 | 930  |
| ALL<br>HOURS | 52.2 | 9.983 | 7439 | 0 | 114 | 917 | 11 | 0 | 7439 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: ALL

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F |       |       |       |       | TOTAL<br>HOURS |
|--------------|------|-----------------------|--------------|----------------------------------------------|-------|-------|-------|-------|----------------|
|              |      |                       |              | LE 0                                         | LE 32 | GE 65 | GE 80 | GE 93 |                |
| 00-02        | 61.3 | 13.577                | 10959        | 0                                            | 57    | 4706  | 1037  | 0     | 10959          |
| 03-05        | 58.8 | 13.008                | 10958        | 0                                            | 81    | 4094  | 437   | 0     | 10958          |
| 06-08        | 60.1 | 14.207                | 10958        | 0                                            | 114   | 4518  | 936   | 1     | 10958          |
| 09-11        | 70.9 | 14.90                 | 10959        | 0                                            | 12    | 6889  | 3934  | 481   | 10959          |
| 12-14        | 77.8 | 14.688                | 10959        | 0                                            | 0     | 8514  | 5397  | 2126  | 10959          |
| 15-17        | 79.1 | 14.841                | 10957        | 0                                            | 0     | 8818  | 5578  | 2596  | 10957          |
| 18-20        | 73.2 | 15.425                | 10956        | 0                                            | 0     | 7308  | 4213  | 1328  | 10956          |
| 21-23        | 65.8 | 14.636                | 10956        | 0                                            | 19    | 5713  | 2415  | 128   | 10956          |
| ALL<br>HOURS | 68.4 | 16.248                | 87662        | 0                                            | 283   | 50560 | 23947 | 6660  | 87662          |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JAN

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F |       |       |       |       | TOTAL<br>HOURS |
|--------------|------|-----------------------|--------------|----------------------------------------------|-------|-------|-------|-------|----------------|
|              |      |                       |              | LE 32                                        | GE 50 | GE 67 | GE 73 | GE 80 |                |
| 00-02        | 39.5 | 5.170                 | 928          | 73                                           | 28    | 0     | 0     | 0     | 928            |
| 03-05        | 38.4 | 5.371                 | 927          | 120                                          | 26    | 0     | 0     | 0     | 927            |
| 06-08        | 37.9 | 5.529                 | 928          | 154                                          | 20    | 0     | 0     | 0     | 928            |
| 09-11        | 43.2 | 5.033                 | 930          | 21                                           | 92    | 0     | 0     | 0     | 930            |
| 12-14        | 46.9 | 4.673                 | 930          | 6                                            | 250   | 0     | 0     | 0     | 930            |
| 15-17        | 47.5 | 4.488                 | 930          | 6                                            | 304   | 0     | 0     | 0     | 930            |
| 18-20        | 44.6 | 4.608                 | 930          | 10                                           | 131   | 0     | 0     | 0     | 930            |
| 21-23        | 41.2 | 5.002                 | 929          | 34                                           | 66    | 0     | 0     | 0     | 929            |
| ALL<br>HOURS | 42.4 | 6.101                 | 7432         | 424                                          | 917   | 0     | 0     | 0     | 7432           |

MONTH: FEB

|              |      |       |      |     |      |   |   |   |      |
|--------------|------|-------|------|-----|------|---|---|---|------|
| 00-02        | 41.0 | 5.455 | 849  | 73  | 45   | 0 | 0 | 0 | 849  |
| 03-05        | 39.7 | 5.522 | 849  | 93  | 35   | 0 | 0 | 0 | 849  |
| 06-08        | 39.3 | 5.557 | 849  | 98  | 24   | 0 | 0 | 0 | 849  |
| 09-11        | 45.1 | 5.256 | 849  | 10  | 187  | 0 | 0 | 0 | 849  |
| 12-14        | 48.4 | 4.975 | 849  | 4   | 403  | 0 | 0 | 0 | 849  |
| 15-17        | 49.0 | 4.790 | 849  | 3   | 435  | 0 | 0 | 0 | 849  |
| 18-20        | 46.8 | 5.029 | 849  | 3   | 290  | 0 | 0 | 0 | 849  |
| 21-23        | 43.4 | 5.221 | 849  | 14  | 95   | 0 | 0 | 0 | 849  |
| ALL<br>HOURS | 44.1 | 6.323 | 6792 | 298 | 1514 | 0 | 0 | 0 | 6792 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAR

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F |       |       |       |       | TOTAL<br>HOURS |
|--------------|------|-----------------------|--------------|----------------------------------------------|-------|-------|-------|-------|----------------|
|              |      |                       |              | LE 32                                        | GE 50 | GE 67 | GE 73 | GE 80 |                |
| 00-02        | 43.0 | 4.600                 | 930          | 29                                           | 60    | 0     | 0     | 0     | 930            |
| 03-05        | 41.5 | 4.798                 | 930          | 50                                           | 44    | 0     | 0     | 0     | 930            |
| 06-08        | 41.7 | 4.846                 | 930          | 43                                           | 38    | 0     | 0     | 0     | 930            |
| 09-11        | 47.7 | 4.589                 | 930          | 1                                            | 334   | 0     | 0     | 0     | 930            |
| 12-14        | 50.1 | 4.427                 | 930          | 0                                            | 524   | 0     | 0     | 0     | 930            |
| 15-17        | 50.6 | 4.425                 | 928          | 0                                            | 581   | 0     | 0     | 0     | 928            |
| 18-20        | 48.5 | 4.451                 | 930          | 0                                            | 393   | 0     | 0     | 0     | 930            |
| 21-23        | 45.4 | 4.530                 | 930          | 2                                            | 163   | 0     | 0     | 0     | 930            |
| ALL<br>HOURS | 46.0 | 5.689                 | 7438         | 125                                          | 2137  | 0     | 0     | 0     | 7438           |

MONTH: APR

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F |       |       |       |       | TOTAL<br>HOURS |
|--------------|------|-----------------------|--------------|----------------------------------------------|-------|-------|-------|-------|----------------|
|              |      |                       |              | LE 32                                        | GE 50 | GE 67 | GE 73 | GE 80 |                |
| 00-02        | 45.9 | 5.356                 | 900          | 7                                            | 204   | 0     | 0     | 0     | 900            |
| 03-05        | 44.3 | 5.544                 | 900          | 9                                            | 164   | 0     | 0     | 0     | 900            |
| 06-08        | 45.8 | 5.611                 | 900          | 5                                            | 239   | 0     | 0     | 0     | 900            |
| 09-11        | 51.8 | 4.958                 | 900          | 0                                            | 620   | 0     | 0     | 0     | 900            |
| 12-14        | 54.0 | 4.603                 | 900          | 0                                            | 740   | 0     | 0     | 0     | 900            |
| 15-17        | 54.6 | 4.568                 | 899          | 0                                            | 770   | 0     | 0     | 0     | 899            |
| 18-20        | 52.3 | 4.673                 | 897          | 0                                            | 656   | 0     | 0     | 0     | 897            |
| 21-23        | 48.8 | 5.035                 | 897          | 0                                            | 398   | 0     | 0     | 0     | 897            |
| ALL<br>HOURS | 49.7 | 6.271                 | 7193         | 21                                           | 3791  | 0     | 0     | 0     | 7193           |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAY

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F |       |       |       |       | TOTAL<br>HOURS |
|--------------|------|-----------------------|--------------|----------------------------------------------|-------|-------|-------|-------|----------------|
|              |      |                       |              | LE 32                                        | GE 50 | GE 67 | GE 73 | GE 80 |                |
| 00-02        | 50.1 | 5.298                 | 930          | 0                                            | 507   | 0     | 0     | 0     | 930            |
| 03-05        | 48.2 | 5.472                 | 930          | 5                                            | 382   | 0     | 0     | 0     | 930            |
| 06-08        | 50.7 | 5.628                 | 930          | 2                                            | 541   | 0     | 0     | 0     | 930            |
| 09-11        | 55.9 | 4.595                 | 930          | 0                                            | 849   | 5     | 0     | 0     | 930            |
| 12-14        | 57.8 | 4.222                 | 929          | 0                                            | 891   | 6     | 0     | 0     | 929            |
| 15-17        | 58.4 | 3.952                 | 929          | 0                                            | 903   | 10    | 0     | 0     | 929            |
| 18-20        | 56.5 | 4.100                 | 930          | 0                                            | 880   | 0     | 0     | 0     | 930            |
| 21-23        | 53.3 | 4.794                 | 930          | 0                                            | 728   | 1     | 0     | 0     | 930            |
| ALL<br>HOURS | 53.9 | 6.016                 | 7438         | 7                                            | 5681  | 22    | 0     | 0     | 7438           |

MONTH: JUN

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F |       |       |       |       | TOTAL<br>HOURS |
|--------------|------|-----------------------|--------------|----------------------------------------------|-------|-------|-------|-------|----------------|
|              |      |                       |              | LE 32                                        | GE 50 | GE 67 | GE 73 | GE 80 |                |
| 00-02        | 55.6 | 6.110                 | 900          | 0                                            | 741   | 50    | 3     | 0     | 900            |
| 03-05        | 53.8 | 6.345                 | 900          | 0                                            | 647   | 37    | 0     | 0     | 900            |
| 06-08        | 56.4 | 5.896                 | 900          | 0                                            | 788   | 52    | 0     | 0     | 900            |
| 09-11        | 61.3 | 4.209                 | 899          | 0                                            | 899   | 119   | 0     | 0     | 899            |
| 12-14        | 63.7 | 3.697                 | 900          | 0                                            | 900   | 228   | 1     | 0     | 900            |
| 15-17        | 64.5 | 3.291                 | 900          | 0                                            | 900   | 275   | 2     | 0     | 900            |
| 18-20        | 62.6 | 3.632                 | 899          | 0                                            | 899   | 147   | 1     | 0     | 899            |
| 21-23        | 59.0 | 4.947                 | 900          | 0                                            | 884   | 77    | 1     | 0     | 900            |
| ALL<br>HOURS | 59.6 | 6.178                 | 7198         | 0                                            | 6658  | 985   | 8     | 0     | 7198           |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUL

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F |       |       |       |       | TOTAL<br>HOURS |
|--------------|------|-----------------------|--------------|----------------------------------------------|-------|-------|-------|-------|----------------|
|              |      |                       |              | LE 32                                        | GE 50 | GE 67 | GE 73 | GE 80 |                |
| 00-02        | 64.8 | 5.413                 | 930          | 0                                            | 921   | 476   | 10    | 0     | 930            |
| 03-05        | 64.0 | 5.747                 | 929          | 0                                            | 910   | 411   | 2     | 0     | 929            |
| 06-08        | 65.0 | 5.140                 | 929          | 0                                            | 919   | 473   | 4     | 0     | 929            |
| 09-11        | 67.8 | 3.592                 | 930          | 0                                            | 930   | 653   | 34    | 0     | 930            |
| 12-14        | 69.1 | 3.075                 | 929          | 0                                            | 929   | 747   | 96    | 0     | 929            |
| 15-17        | 69.4 | 2.793                 | 930          | 0                                            | 930   | 793   | 110   | 0     | 930            |
| 18-20        | 68.0 | 3.173                 | 929          | 0                                            | 929   | 667   | 44    | 0     | 929            |
| 21-23        | 66.3 | 4.409                 | 930          | 0                                            | 930   | 548   | 32    | 0     | 930            |
| ALL<br>HOURS | 66.8 | 4.692                 | 7436         | 0                                            | 7398  | 4768  | 332   | 0     | 7436           |

MONTH: AUG

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F |       |       |       |       | TOTAL<br>HOURS |
|--------------|------|-----------------------|--------------|----------------------------------------------|-------|-------|-------|-------|----------------|
|              |      |                       |              | LE 32                                        | GE 50 | GE 67 | GE 73 | GE 80 |                |
| 00-02        | 66.7 | 3.692                 | 930          | 0                                            | 930   | 566   | 17    | 0     | 930            |
| 03-05        | 65.8 | 3.774                 | 930          | 0                                            | 930   | 471   | 3     | 0     | 930            |
| 06-08        | 66.4 | 3.685                 | 930          | 0                                            | 930   | 534   | 12    | 0     | 930            |
| 09-11        | 69.3 | 2.722                 | 930          | 0                                            | 930   | 798   | 84    | 0     | 930            |
| 12-14        | 70.1 | 2.875                 | 930          | 0                                            | 930   | 833   | 158   | 1     | 930            |
| 15-17        | 69.8 | 2.902                 | 928          | 0                                            | 928   | 809   | 144   | 0     | 928            |
| 18-20        | 68.5 | 2.935                 | 927          | 0                                            | 927   | 727   | 56    | 0     | 927            |
| 21-23        | 67.5 | 3.327                 | 927          | 0                                            | 927   | 637   | 24    | 0     | 927            |
| ALL<br>HOURS | 68.0 | 3.583                 | 7432         | 0                                            | 7432  | 5375  | 498   | 1     | 7432           |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: SEP

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F |       |       |       |       | TOTAL<br>HOURS |
|--------------|------|-----------------------|--------------|----------------------------------------------|-------|-------|-------|-------|----------------|
|              |      |                       |              | LE 32                                        | GE 50 | GE 67 | GE 73 | GE 80 |                |
| 00-02        | 60.3 | 5.604                 | 888          | 0                                            | 869   | 141   | 2     | 0     | 888            |
| 03-05        | 59.2 | 5.558                 | 888          | 0                                            | 855   | 83    | 0     | 0     | 888            |
| 06-08        | 59.9 | 5.508                 | 887          | 0                                            | 862   | 98    | 1     | 0     | 887            |
| 09-11        | 64.4 | 4.302                 | 888          | 0                                            | 803   | 300   | 9     | 0     | 888            |
| 12-14        | 65.7 | 3.077                 | 892          | 0                                            | 892   | 379   | 23    | 0     | 892            |
| 15-17        | 65.4 | 3.694                 | 894          | 0                                            | 894   | 326   | 15    | 0     | 894            |
| 18-20        | 63.6 | 4.215                 | 893          | 0                                            | 893   | 246   | 1     | 0     | 893            |
| 21-23        | 61.5 | 5.081                 | 891          | 0                                            | 885   | 163   | 0     | 0     | 891            |
| ALL<br>HOURS | 62.5 | 5.385                 | 7121         | 0                                            | 7038  | 1736  | 51    | 0     | 7121           |

MONTH: OCT

|              |      |       |      |   |      |    |   |   |      |
|--------------|------|-------|------|---|------|----|---|---|------|
| 00-02        | 51.5 | 6.299 | 930  | 0 | 578  | 1  | 0 | 0 | 930  |
| 03-05        | 50.4 | 6.467 | 930  | 0 | 539  | 0  | 0 | 0 | 930  |
| 06-08        | 50.8 | 6.330 | 930  | 2 | 555  | 0  | 0 | 0 | 930  |
| 09-11        | 56.8 | 5.182 | 929  | 0 | 836  | 4  | 0 | 0 | 929  |
| 12-14        | 58.8 | 4.495 | 930  | 0 | 890  | 22 | 0 | 0 | 930  |
| 15-17        | 58.6 | 4.509 | 930  | 0 | 887  | 25 | 0 | 0 | 930  |
| 18-20        | 56.1 | 5.113 | 930  | 0 | 818  | 7  | 0 | 0 | 930  |
| 21-23        | 53.1 | 6.063 | 930  | 0 | 667  | 3  | 0 | 0 | 930  |
| ALL<br>HOURS | 54.5 | 6.509 | 7439 | 2 | 5770 | 62 | 0 | 0 | 7439 |



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: NOV

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F |       |       |       |       | TOTAL<br>HOURS |
|--------------|------|-----------------------|--------------|----------------------------------------------|-------|-------|-------|-------|----------------|
|              |      |                       |              | LE 32                                        | GE 50 | GE 67 | GE 73 | GE 80 |                |
| 00-02        | 42.8 | 6.486                 | 900          | 52                                           | 145   | 0     | 0     | 0     | 900            |
| 03-05        | 41.  | 6.642                 | 900          | 77                                           | 117   | 0     | 0     | 0     | 900            |
| 06-08        | 41.8 | 6.715                 | 899          | 77                                           | 120   | 0     | 0     | 0     | 899            |
| 09-11        | 47.8 | 6.048                 | 900          | 8                                            | 361   | 0     | 0     | 0     | 900            |
| 12-14        | 50.9 | 5.488                 | 900          | 0                                            | 553   | 0     | 0     | 0     | 900            |
| 15-17        | 51.0 | 5.293                 | 900          | 0                                            | 567   | 0     | 0     | 0     | 900            |
| 18-20        | 47.6 | 5.658                 | 900          | 3                                            | 353   | 0     | 0     | 0     | 900            |
| 21-23        | 44.0 | 6.198                 | 900          | 25                                           | 182   | 0     | 0     | 0     | 900            |
| ALL<br>HOURS | 46.0 | 7.097                 | 7199         | 242                                          | 2398  | 0     | 0     | 0     | 7199           |

MONTH: DEC

|              |      |       |      |     |      |   |   |   |      |
|--------------|------|-------|------|-----|------|---|---|---|------|
| 00-02        | 39.4 | 5.379 | 930  | 89  | 40   | 0 | 0 | 0 | 930  |
| 03-05        | 38.6 | 5.502 | 930  | 116 | 39   | 0 | 0 | 0 | 930  |
| 06-08        | 38.1 | 5.517 | 930  | 123 | 33   | 0 | 0 | 0 | 930  |
| 09-11        | 43.9 | 5.197 | 930  | 26  | 123  | 0 | 0 | 0 | 930  |
| 12-14        | 47.7 | 4.931 | 930  | 5   | 389  | 0 | 0 | 0 | 930  |
| 15-17        | 48.0 | 4.810 | 929  | 6   | 410  | 0 | 0 | 0 | 929  |
| 18-20        | 44.6 | 4.900 | 930  | 21  | 150  | 0 | 0 | 0 | 930  |
| 21-23        | 41.2 | 5.257 | 930  | 57  | 50   | 0 | 0 | 0 | 930  |
| ALL<br>HOURS | 42.7 | 6.365 | 7439 | 443 | 1234 | 0 | 0 | 0 | 7439 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: ALL

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F |       |       |       |       | TOTAL<br>HOURS |
|--------------|------|-----------------------|--------------|----------------------------------------------|-------|-------|-------|-------|----------------|
|              |      |                       |              | LE 32                                        | GE 50 | GE 67 | GE 73 | GE 80 |                |
| 00-02        | 50.1 | 10.908                | 10945        | 323                                          | 5068  | 1234  | 32    | 0     | 10945          |
| 03-05        | 48.9 | 11.035                | 10943        | 470                                          | 4688  | 1002  | 5     | 0     | 10943          |
| 06-08        | 49.5 | 11.428                | 10942        | 504                                          | 5069  | 1157  | 17    | 0     | 10942          |
| 09-11        | 54.6 | 10.185                | 10945        | 66                                           | 7049  | 1879  | 127   | 0     | 10945          |
| 12-14        | 57.0 | 9.271                 | 10949        | 15                                           | 8291  | 2215  | 278   | 1     | 10949          |
| 15-17        | 57.3 | 9.057                 | 10946        | 15                                           | 8509  | 2238  | 271   | 0     | 10946          |
| 18-20        | 55.0 | 9.668                 | 10944        | 37                                           | 7319  | 1794  | 102   | 0     | 10944          |
| 21-23        | 52.1 | 10.515                | 10943        | 132                                          | 5975  | 1429  | 57    | 0     | 10943          |
| ALL<br>HOURS | 53.1 | 10.760                | 87557        | 1562                                         | 51968 | 12948 | 889   | 1     | 87557          |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JAN

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F |       |       |       | TOTAL<br>HOURS |
|--------------|------|-----------------------|--------------|----------------------------------------------|-------|-------|-------|----------------|
|              |      |                       |              | LE 27                                        | GE 37 | LE 55 | GE 65 |                |
| 00-02        | 30.4 | 8.419                 | 928          | 363                                          | 234   | 928   | 0     | 928            |
| 03-05        | 29.5 | 8.373                 | 927          | 408                                          | 206   | 927   | 0     | 927            |
| 06-08        | 29.1 | 8.413                 | 928          | 446                                          | 193   | 928   | 0     | 928            |
| 09-11        | 31.0 | 8.616                 | 930          | 345                                          | 252   | 930   | 0     | 930            |
| 12-14        | 30.7 | 9.034                 | 930          | 369                                          | 247   | 928   | 0     | 930            |
| 15-17        | 30.2 | 9.017                 | 930          | 387                                          | 237   | 929   | 0     | 930            |
| 18-20        | 31.8 | 8.471                 | 930          | 300                                          | 275   | 930   | 0     | 930            |
| 21-23        | 31.6 | 8.441                 | 929          | 318                                          | 264   | 929   | 0     | 929            |
| ALL<br>HOURS | 30.5 | 8.672                 | 7432         | 2936                                         | 1908  | 7429  | 0     | 7432           |

MONTH: FEB

|              |      |       |      |      |      |      |   |      |
|--------------|------|-------|------|------|------|------|---|------|
| 00-02        | 31.7 | 8.771 | 849  | 247  | 274  | 849  | 0 | 849  |
| 03-05        | 30.7 | 8.695 | 849  | 274  | 223  | 849  | 0 | 849  |
| 06-08        | 30.1 | 8.713 | 849  | 305  | 196  | 849  | 0 | 849  |
| 09-11        | 31.7 | 8.681 | 849  | 276  | 264  | 849  | 0 | 849  |
| 12-14        | 30.7 | 9.110 | 849  | 328  | 241  | 849  | 0 | 849  |
| 15-17        | 30.0 | 9.195 | 849  | 354  | 204  | 849  | 0 | 849  |
| 18-20        | 31.7 | 9.035 | 849  | 271  | 257  | 849  | 0 | 849  |
| 21-23        | 32.5 | 8.705 | 849  | 234  | 293  | 849  | 0 | 849  |
| ALL<br>HOURS | 31.1 | 8.923 | 6792 | 2289 | 1952 | 6792 | 0 | 6792 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAR

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F |       |       |       | TOTAL<br>HOURS |
|--------------|------|-----------------------|--------------|----------------------------------------------|-------|-------|-------|----------------|
|              |      |                       |              | LE 27                                        | GE 37 | LE 55 | GE 65 |                |
| 00-02        | 31.2 | 9.690                 | 930          | 294                                          | 324   | 930   | 0     | 930            |
| 03-05        | 30.8 | 9.339                 | 930          | 300                                          | 277   | 930   | 0     | 930            |
| 06-08        | 30.9 | 8.979                 | 930          | 299                                          | 275   | 930   | 0     | 930            |
| 09-11        | 32.0 | 8.606                 | 930          | 248                                          | 317   | 930   | 0     | 930            |
| 12-14        | 30.3 | 8.346                 | 930          | 318                                          | 225   | 930   | 0     | 930            |
| 15-17        | 29.3 | 8.525                 | 928          | 396                                          | 186   | 927   | 0     | 928            |
| 18-20        | 29.5 | 9.365                 | 930          | 398                                          | 238   | 930   | 0     | 930            |
| 21-23        | 30.7 | 9.830                 | 930          | 316                                          | 308   | 930   | 0     | 930            |
| ALL<br>HOURS | 30.6 | 9.163                 | 7438         | 2569                                         | 2150  | 7437  | 0     | 7438           |

MONTH: APR

|              |      |       |      |      |      |      |   |      |
|--------------|------|-------|------|------|------|------|---|------|
| 00-02        | 30.4 | 9.486 | 900  | 367  | 243  | 899  | 0 | 900  |
| 03-05        | 30.4 | 9.227 | 900  | 367  | 249  | 897  | 0 | 900  |
| 06-08        | 31.6 | 8.997 | 900  | 312  | 268  | 895  | 0 | 900  |
| 09-11        | 32.2 | 8.623 | 900  | 291  | 296  | 897  | 0 | 900  |
| 12-14        | 30.5 | 8.120 | 900  | 347  | 215  | 899  | 0 | 900  |
| 15-17        | 30.0 | 8.050 | 899  | 374  | 189  | 898  | 0 | 900  |
| 18-20        | 29.2 | 9.113 | 897  | 450  | 195  | 892  | 0 | 900  |
| 21-23        | 30.2 | 9.632 | 897  | 395  | 234  | 894  | 0 | 900  |
| ALL<br>HOURS | 30.6 | 8.992 | 7193 | 2903 | 1889 | 7171 | 0 | 7193 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAY

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F |       |       |       | TOTAL<br>HOURS |
|--------------|------|-----------------------|--------------|----------------------------------------------|-------|-------|-------|----------------|
|              |      |                       |              | LE 27                                        | GE 37 | LE 55 | GE 65 |                |
| 00-02        | 33.1 | 10.135                | 930          | 305                                          | 331   | 913   | 0     | 930            |
| 03-05        | 33.1 | 9.802                 | 930          | 277                                          | 336   | 918   | 0     | 930            |
| 06-08        | 34.7 | 9.387                 | 930          | 224                                          | 390   | 919   | 0     | 930            |
| 09-11        | 34.9 | 8.803                 | 90           | 210                                          | 399   | 924   | 0     | 930            |
| 12-14        | 33.3 | 7.931                 | 929          | 237                                          | 319   | 926   | 0     | 929            |
| 15-17        | 32.8 | 7.385                 | 929          | 227                                          | 277   | 926   | 0     | 929            |
| 18-20        | 32.3 | 8.612                 | 930          | 303                                          | 255   | 922   | 0     | 930            |
| 21-23        | 32.9 | 9.971                 | 930          | 321                                          | 306   | 917   | 0     | 930            |
| ALL<br>HOURS | 33.4 | 9.125                 | 7438         | 2104                                         | 2613  | 7365  | 0     | 7438           |

MONTH: JUN

|              |      |        |      |      |      |      |    |      |
|--------------|------|--------|------|------|------|------|----|------|
| 00-02        | 36.2 | 12.737 | 900  | 240  | 404  | 828  | 18 | 900  |
| 03-05        | 36.1 | 12.716 | 900  | 249  | 404  | 829  | 9  | 900  |
| 06-08        | 38.4 | 11.841 | 900  | 180  | 485  | 812  | 4  | 900  |
| 09-11        | 39.5 | 9.977  | 899  | 99   | 505  | 834  | 2  | 900  |
| 12-14        | 39.3 | 8.388  | 900  | 43   | 500  | 848  | 1  | 900  |
| 15-17        | 39.6 | 7.835  | 900  | 15   | 545  | 852  | 4  | 900  |
| 18-20        | 38.4 | 9.344  | 899  | 72   | 425  | 843  | 12 | 900  |
| 21-23        | 37.1 | 11.833 | 900  | 209  | 403  | 821  | 23 | 900  |
| ALL<br>HOURS | 38.1 | 10.833 | 7198 | 1107 | 3671 | 6667 | 73 | 7198 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUL

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F |       |       |       | TOTAL<br>HOURS |
|--------------|------|-----------------------|--------------|----------------------------------------------|-------|-------|-------|----------------|
|              |      |                       |              | LE 27                                        | GE 37 | LE 55 | GE 65 |                |
| 00-02        | 54.9 | 12.592                | 930          | 38                                           | 822   | 362   | 212   | 930            |
| 03-05        | 55.3 | 12.041                | 929          | 32                                           | 825   | 364   | 189   | 929            |
| 06-08        | 56.0 | 11.335                | 929          | 24                                           | 841   | 346   | 199   | 929            |
| 09-11        | 55.3 | 10.261                | 930          | 12                                           | 849   | 373   | 137   | 930            |
| 12-14        | 53.7 | 9.601                 | 929          | 3                                            | 855   | 440   | 79    | 929            |
| 15-17        | 53.2 | 9.631                 | 930          | 3                                            | 860   | 476   | 83    | 930            |
| 18-20        | 53.4 | 10.921                | 929          | 5                                            | 833   | 458   | 130   | 929            |
| 21-23        | 54.6 | 12.333                | 930          | 36                                           | 825   | 376   | 196   | 930            |
| ALL<br>HOURS | 54.5 | 11.192                | 7436         | 153                                          | 6710  | 3195  | 1225  | 7436           |

MONTH: AUG

|              |      |       |      |   |      |      |      |      |
|--------------|------|-------|------|---|------|------|------|------|
| 00-02        | 60.1 | 7.141 | 930  | 0 | 930  | 211  | 296  | 930  |
| 03-05        | 60.2 | 6.671 | 930  | 0 | 930  | 193  | 253  | 930  |
| 06-08        | 60.6 | 6.220 | 930  | 0 | 930  | 175  | 243  | 930  |
| 09-11        | 60.2 | 6.144 | 930  | 0 | 927  | 172  | 218  | 930  |
| 12-14        | 57.9 | 6.891 | 930  | 0 | 914  | 260  | 112  | 930  |
| 15-17        | 56.9 | 7.640 | 928  | 0 | 909  | 341  | 136  | 930  |
| 18-20        | 57.7 | 7.966 | 927  | 0 | 912  | 291  | 186  | 930  |
| 21-23        | 59.3 | 7.381 | 927  | 0 | 923  | 246  | 265  | 930  |
| ALL<br>HOURS | 59.1 | 7.183 | 7432 | 0 | 7375 | 1889 | 1709 | 7432 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: SEP

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F |       |       |       | TOTAL<br>HOURS |
|--------------|------|-----------------------|--------------|----------------------------------------------|-------|-------|-------|----------------|
|              |      |                       |              | LE 27                                        | GE 37 | LE 55 | GE 65 |                |
| 00-02        | 50.5 | 9.993                 | 888          | 9                                            | 798   | 590   | 63    | 888            |
| 03-05        | 50.3 | 9.563                 | 888          | 7                                            | 805   | 594   | 43    | 888            |
| 06-08        | 51.0 | 9.146                 | 887          | 4                                            | 836   | 575   | 47    | 887            |
| 09-11        | 51.8 | 8.548                 | 888          | 0                                            | 863   | 566   | 49    | 888            |
| 12-14        | 49.7 | 8.696                 | 892          | 2                                            | 828   | 643   | 30    | 892            |
| 15-17        | 48.3 | 8.916                 | 894          | 0                                            | 811   | 668   | 29    | 894            |
| 18-20        | 48.7 | 9.898                 | 893          | 13                                           | 788   | 641   | 47    | 893            |
| 21-23        | 49.8 | 10.135                | 891          | 11                                           | 797   | 607   | 60    | 891            |
| ALL<br>HOURS | 50.0 | 9.453                 | 7121         | 46                                           | 6526  | 4884  | 368   | 7121           |

MONTH: OCT

|              |      |        |      |      |      |      |   |      |
|--------------|------|--------|------|------|------|------|---|------|
| 00-02        | 39.8 | 11.980 | 930  | 181  | 566  | 853  | 0 | 930  |
| 03-05        | 39.5 | 11.895 | 930  | 187  | 571  | 863  | 0 | 930  |
| 06-08        | 39.9 | 11.612 | 930  | 162  | 580  | 862  | 0 | 930  |
| 09-11        | 42.3 | 10.398 | 929  | 87   | 635  | 852  | 0 | 930  |
| 12-14        | 40.7 | 9.978  | 930  | 96   | 595  | 870  | 0 | 930  |
| 15-17        | 39.0 | 10.268 | 930  | 131  | 544  | 877  | 0 | 930  |
| 18-20        | 39.6 | 11.335 | 930  | 140  | 548  | 857  | 3 | 930  |
| 21-23        | 39.6 | 12.152 | 930  | 174  | 551  | 845  | 1 | 930  |
| ALL<br>HOURS | 40.1 | 11.284 | 7439 | 1158 | 4590 | 6879 | 4 | 7439 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: NOV

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN NUMBER OF HOURS WITH TEMPRATURES DEG F |       |       |       | TOTAL<br>HOURS |
|--------------|------|-----------------------|--------------|---------------------------------------------|-------|-------|-------|----------------|
|              |      |                       |              | LE 27                                       | GE 37 | LE 55 | GE 65 |                |
| 00-02        | 30.5 | 12.201                | 900          | 380                                         | 301   | 895   | 0     | 900            |
| 03-05        | 30.0 | 12.058                | 900          | 395                                         | 296   | 897   | 0     | 900            |
| 06-08        | 30.1 | 11.912                | 899          | 399                                         | 294   | 898   | 0     | 899            |
| 09-11        | 32.5 | 11.219                | 900          | 332                                         | 341   | 891   | 0     | 900            |
| 12-14        | 32.0 | 10.718                | 900          | 343                                         | 310   | 894   | 0     | 900            |
| 15-17        | 31.3 | 10.502                | 900          | 354                                         | 281   | 894   | 0     | 900            |
| 18-20        | 31.8 | 11.305                | 900          | 358                                         | 321   | 892   | 0     | 900            |
| 21-23        | 31.1 | 11.967                | 900          | 361                                         | 315   | 896   | 0     | 900            |
| ALL<br>HOURS | 31.2 | 11.548                | 7199         | 2922                                        | 2459  | 7157  | 0     | 7199           |

MONTH: DEC

|              |      |       |      |      |      |      |   |      |
|--------------|------|-------|------|------|------|------|---|------|
| 00-02        | 29.7 | 9.795 | 930  | 389  | 236  | 930  | 0 | 930  |
| 03-05        | 28.9 | 9.696 | 930  | 414  | 192  | 930  | 0 | 930  |
| 06-08        | 28.4 | 9.535 | 930  | 427  | 176  | 930  | 0 | 930  |
| 09-11        | 31.0 | 8.961 | 930  | 336  | 251  | 930  | 0 | 930  |
| 12-14        | 31.3 | 8.842 | 930  | 316  | 275  | 930  | 0 | 930  |
| 15-17        | 31.1 | 8.871 | 929  | 334  | 263  | 929  | 0 | 930  |
| 18-20        | 32.4 | 9.387 | 930  | 275  | 346  | 930  | 0 | 930  |
| 21-23        | 31.3 | 9.681 | 930  | 322  | 308  | 930  | 0 | 930  |
| ALL<br>HOURS | 30.5 | 9.460 | 7439 | 2813 | 2047 | 7439 | 0 | 7439 |



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB, AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: ALL

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F |       |       |       | TOTAL<br>HOURS |
|--------------|------|-----------------------|--------------|----------------------------------------------|-------|-------|-------|----------------|
|              |      |                       |              | LE 27                                        | GE 37 | LE 55 | GE 65 |                |
| 00-02        | 38.3 | 14.707                | 10945        | 2813                                         | 5463  | 9188  | 589   | 10945          |
| 03-05        | 38.0 | 14.731                | 10943        | 2910                                         | 5314  | 9191  | 494   | 10943          |
| 06-08        | 38.5 | 14.640                | 10942        | 2782                                         | 5464  | 9119  | 493   | 10942          |
| 09-11        | 39.6 | 13.666                | 10945        | 2236                                         | 5899  | 9148  | 406   | 10945          |
| 12-14        | 38.4 | 13.127                | 10949        | 2402                                         | 5524  | 9417  | 222   | 10949          |
| 15-17        | 37.7 | 13.017                | 10946        | 2575                                         | 5306  | 9566  | 252   | 10946          |
| 18-20        | 38.1 | 13.523                | 10944        | 2585                                         | 5393  | 9435  | 378   | 10944          |
| 21-23        | 38.4 | 14.318                | 10943        | 2697                                         | 5527  | 9240  | 545   | 10943          |
| ALL<br>HOURS | 38.4 | 13.992                | 87557        | 21000                                        | 43890 | 74304 | 3379  | 87557          |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JAN

| HOURS<br>LST | 10%   | 20%  | RELATIVE HUMIDITY GREATER THAN OR EQUAL TO |      |      |      |      |      |     | 90%  | MEAN | TOTAL OBS |
|--------------|-------|------|--------------------------------------------|------|------|------|------|------|-----|------|------|-----------|
|              |       |      | 30%                                        | 40%  | 50%  | 60%  | 70%  | 80%  |     |      |      |           |
| 00-02        | 100.0 | 99.4 | 90.5                                       | 77.2 | 63.9 | 48.4 | 30.3 | 11.7 | 2.5 | 56.9 |      | 928       |
| 03-05        | 100.0 | 99.0 | 91.6                                       | 78.2 | 64.5 | 47.8 | 29.8 | 13.8 | 2.6 | 57.4 |      | 927       |
| 06-08        | 100.0 | 99.7 | 92.8                                       | 79.3 | 65.9 | 47.2 | 29.8 | 14.1 | 4.3 | 57.7 |      | 928       |
| 09-11        | 100.0 | 95.1 | 78.5                                       | 60.0 | 40.6 | 25.3 | 13.5 | 5.4  | 1.6 | 46.4 |      | 930       |
| 12-14        | 100.0 | 83.0 | 55.6                                       | 35.2 | 18.2 | 9.6  | 5.6  | 2.4  | .8  | 35.4 |      | 930       |
| 15-17        | 100.  | 76.1 | 49.9                                       | 30.4 | 14.3 | 8.2  | 5.2  | 2.4  | .3  | 33.1 |      | 930       |
| 18-20        | 100.0 | 93.9 | 75.7                                       | 56.9 | 33.8 | 19.2 | 10.9 | 5.3  | .8  | 44.0 |      | 930       |
| 21-23        | 100.0 | 99.1 | 88.7                                       | 74.6 | 60.2 | 42.5 | 22.8 | 10.4 | 2.9 | 54.5 |      | 929       |
| ALL<br>HOURS | 100.0 | 93.2 | 77.9                                       | 61.5 | 45.2 | 31.0 | 18.5 | 8.2  | 2.0 | 48.0 |      | 7432      |

MONTH: FEB

|              |       |      |      |      |      |      |      |      |     |      |  |      |
|--------------|-------|------|------|------|------|------|------|------|-----|------|--|------|
| 00-02        | 100.0 | 99.5 | 92.9 | 76.2 | 58.3 | 39.0 | 25.4 | 13.2 | 2.2 | 55.0 |  | 849  |
| 03-05        | 100.0 | 99.6 | 93.9 | 79.6 | 62.1 | 43.7 | 26.7 | 12.1 | 2.2 | 56.5 |  | 849  |
| 06-08        | 100.0 | 99.5 | 93.4 | 78.1 | 60.5 | 43.7 | 27.6 | 10.0 | 2.0 | 56.0 |  | 849  |
| 09-11        | 100.0 | 93.4 | 71.6 | 49.9 | 32.5 | 18.7 | 9.1  | 4.4  | .7  | 42.5 |  | 849  |
| 12-14        | 99.9  | 73.7 | 45.5 | 28.6 | 15.2 | 8.8  | 3.5  | 1.6  | .2  | 32.0 |  | 849  |
| 15-17        | 100.0 | 65.1 | 37.7 | 21.3 | 13.9 | 9.0  | 5.4  | 2.0  | .1  | 29.8 |  | 849  |
| 18-20        | 100.0 | 88.3 | 60.2 | 38.0 | 23.1 | 15.3 | 8.7  | 4.5  | 1.5 | 38.3 |  | 849  |
| 21-23        | 100.0 | 98.5 | 85.4 | 66.3 | 44.5 | 29.4 | 16.8 | 9.4  | 1.6 | 49.7 |  | 849  |
| ALL<br>HOURS | 100.0 | 89.7 | 72.6 | 54.8 | 38.8 | 26.0 | 15.4 | 7.2  | 1.3 | 45.0 |  | 6792 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAR

| HOURS<br>LST | RELATIVE HUMIDITY GREATER THAN OR EQUAL TO |      |      |      |      |      |      |     |     |      | TOTAL OBS |
|--------------|--------------------------------------------|------|------|------|------|------|------|-----|-----|------|-----------|
|              | 10%                                        | 20%  | 30%  | 40%  | 50%  | 60%  | 70%  | 80% | 90% | MEAN |           |
| 00-02        | 100.0                                      | 93.9 | 78.4 | 61.9 | 45.4 | 31.4 | 18.8 | 5.7 | .8  | 48.2 | 930       |
| 03-05        | 100.0                                      | 97.0 | 84.0 | 66.1 | 51.8 | 37.6 | 24.7 | 8.0 | 1.4 | 51.6 | 930       |
| 06-08        | 100.0                                      | 98.1 | 83.3 | 65.4 | 50.2 | 35.1 | 21.8 | 8.5 | 1.5 | 50.9 | 930       |
| 09-11        | 100.0                                      | 83.1 | 58.4 | 39.0 | 21.8 | 11.0 | 4.9  | 1.7 | .3  | 36.5 | 930       |
| 12-14        | 99.9                                       | 61.7 | 33.9 | 18.1 | 9.9  | 4.6  | 2.3  | 1.1 |     | 27.5 | 930       |
| 15-17        | 99.6                                       | 52.0 | 26.8 | 15.5 | 8.3  | 5.4  | 3.3  | 1.6 |     | 25.2 | 928       |
| 18-20        | 99.7                                       | 66.8 | 39.8 | 23.8 | 13.4 | 7.8  | 5.3  | 2.5 | .2  | 30.1 | 930       |
| 21-23        | 99.9                                       | 86.3 | 62.5 | 45.4 | 28.5 | 17.8 | 10.1 | 3.4 | .4  | 39.9 | 930       |
| ALL<br>HOURS | 99.9                                       | 79.9 | 58.4 | 41.9 | 28.7 | 18.8 | 11.4 | 4.1 | .6  | 38.0 | 7438      |

MONTH: APR

| HOURS<br>LST | 10%   | 20%  | 30%  | 40%  | 50%  | 60%  | 70% | 80% | 90% | MEAN | TOTAL OBS |
|--------------|-------|------|------|------|------|------|-----|-----|-----|------|-----------|
| 00-02        | 100.0 | 86.2 | 59.3 | 36.2 | 19.0 | 11.1 | 6.6 | 3.4 | .6  | 36.7 | 900       |
| 03-05        | 100.0 | 94.3 | 70.2 | 47.6 | 26.1 | 12.9 | 8.3 | 3.6 | .9  | 40.7 | 900       |
| 06-08        | 100.0 | 93.7 | 67.8 | 42.9 | 24.4 | 12.2 | 6.4 | 2.8 | .1  | 39.4 | 900       |
| 09-11        | 99.7  | 64.6 | 34.2 | 15.2 | 7.3  | 3.0  | 1.4 | .8  | .1  | 27.0 | 900       |
| 12-14        | 98.3  | 38.6 | 14.7 | 6.9  | 3.4  | 2.0  | .3  | .1  |     | 20.2 | 900       |
| 15-17        | 98.0  | 29.7 | 13.0 | 5.9  | 2.4  | 1.3  | .6  | .1  |     | 18.6 | 899       |
| 18-20        | 98.4  | 40.7 | 18.8 | 10.8 | 6.8  | 4.1  | 2.2 | .9  | .1  | 22.0 | 897       |
| 21-23        | 99.7  | 68.7 | 39.5 | 20.8 | 11.3 | 7.5  | 3.6 | 2.1 | .3  | 29.8 | 897       |
| ALL<br>HOURS | 99.3  | 64.6 | 39.7 | 25.3 | 12.6 | 6.8  | 3.7 | 1.7 | .3  | 29.3 | 7193      |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAY

| HOURS<br>LST | 10%   | 20%  | RELATIVE HUMIDITY GREATER THAN OR EQUAL TO |      |      |     |     |     |    | 90% | MEAN | TOTAL OBS |
|--------------|-------|------|--------------------------------------------|------|------|-----|-----|-----|----|-----|------|-----------|
|              |       |      | 30%                                        | 40%  | 50%  | 60% | 70% | 80% |    |     |      |           |
| 00-02        | 100.0 | 84.7 | 48.0                                       | 21.7 | 11.2 | 4.9 | 3.1 | 1.5 |    |     | 31.9 | 930       |
| 03-05        | 100.0 | 92.8 | 61.4                                       | 33.8 | 16.0 | 8.0 | 3.5 | 1.5 | .4 |     | 36.3 | 930       |
| 06-08        | 100.0 | 99.8 | 55.4                                       | 27.0 | 11.8 | 5.5 | 2.6 | .9  | .1 |     | 33.6 | 930       |
| 09-11        | 99.7  | 55.2 | 19.1                                       | 6.2  | 2.7  | 1.2 | .1  |     |    |     | 22.6 | 930       |
| 12-14        | 98.0  | 25.9 | 5.9                                        | 2.5  | 1.0  | .3  | .2  | .1  |    |     | 17.1 | 929       |
| 15-17        | 98.2  | 18.4 | 5.4                                        | 1.9  | .9   | .6  | .4  | .3  | .1 |     | 15.9 | 929       |
| 18-20        | 98.9  | 30.2 | 10.4                                       | 4.1  | 2.0  | .9  | .6  | .3  | .1 |     | 18.3 | 930       |
| 21-23        | 99.6  | 59.0 | 25.8                                       | 11.2 | 4.9  | 2.3 | 1.5 | .8  | .3 |     | 24.9 | 930       |
| ALL<br>HOURS | 99.3  | 57.0 | 28.9                                       | 13.6 | 6.3  | 3.0 | 1.5 | .7  | .1 |     | 25.0 | 7438      |

MONTH: JUN

|              |      |      |      |      |      |     |     |    |  |  |      |      |
|--------------|------|------|------|------|------|-----|-----|----|--|--|------|------|
| 00-02        | 99.7 | 63.2 | 27.8 | 14.0 | 8.1  | 4.1 | 2.2 | .4 |  |  | 26.3 | 900  |
| 03-05        | 99.6 | 75.6 | 41.7 | 19.9 | 10.7 | 5.7 | 2.1 | .2 |  |  | 30.0 | 900  |
| 06-08        | 99.6 | 73.2 | 36.7 | 16.1 | 9.3  | 4.4 | 1.2 |    |  |  | 28.4 | 900  |
| 09-11        | 99.1 | 40.5 | 15.0 | 4.9  | .9   | .1  |     |    |  |  | 19.9 | 899  |
| 12-14        | 95.0 | 20.0 | 5.2  | 1.1  | .2   | .1  | .1  | .1 |  |  | 15.7 | 900  |
| 15-17        | 95.3 | 15.4 | 5.9  | 2.3  | 1.6  | .7  |     |    |  |  | 15.2 | 900  |
| 18-20        | 95.0 | 22.0 | 10.0 | 5.8  | 3.2  | 1.2 | .3  | .2 |  |  | 17.1 | 899  |
| 21-23        | 98.3 | 37.7 | 18.1 | 9.8  | 6.6  | 3.8 | 1.9 | .2 |  |  | 21.7 | 900  |
| ALL<br>HOURS | 97.7 | 43.5 | 20.0 | 9.2  | 5.1  | 2.5 | 1.0 | .2 |  |  | 21.8 | 7198 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUL

| HOURS<br>LST | RELATIVE HUMIDITY GREATER THAN OR EQUAL TO |      |      |      |      |      |      |     |     | MEAN | TOTAL OBS |
|--------------|--------------------------------------------|------|------|------|------|------|------|-----|-----|------|-----------|
|              | 10%                                        | 20%  | 30%  | 40%  | 50%  | 60%  | 70%  | 80% | 90% |      |           |
| 00-02        | 99.5                                       | 90.2 | 76.0 | 62.8 | 49.8 | 34.9 | 20.9 | 7.8 | 1.4 | 49.0 | 930       |
| 03-05        | 100.0                                      | 95.5 | 84.7 | 70.9 | 56.2 | 40.8 | 25.6 | 9.6 | 2.4 | 52.9 | 929       |
| 06-08        | 100.0                                      | 93.5 | 84.2 | 67.3 | 53.0 | 37.7 | 20.9 | 6.1 | 1.5 | 50.8 | 929       |
| 09-11        | 99.9                                       | 85.3 | 65.2 | 43.5 | 23.5 | 9.5  | 2.2  | .9  | .3  | 37.4 | 930       |
| 12-14        | 99.1                                       | 72.6 | 45.5 | 18.7 | 7.8  | 2.2  | .9   | .4  | .2  | 28.9 | 929       |
| 15-17        | 98.9                                       | 64.6 | 37.0 | 20.5 | 10.4 | 4.9  | 2.2  | .6  | .6  | 28.2 | 930       |
| 18-20        | 99.1                                       | 69.8 | 50.3 | 33.7 | 22.6 | 11.8 | 5.8  | 2.5 | 1.2 | 33.9 | 929       |
| 21-23        | 99.6                                       | 81.1 | 67.3 | 53.4 | 39.4 | 26.9 | 15.1 | 5.9 | 1.0 | 43.2 | 930       |
| ALL<br>HOURS | 99.5                                       | 81.6 | 63.8 | 46.4 | 32.8 | 21.1 | 11.7 | 4.2 | 1.1 | 40.0 | 7436      |

MONTH: AUG

|              |       |       |      |      |      |      |      |      |     |      |      |
|--------------|-------|-------|------|------|------|------|------|------|-----|------|------|
| 00-02        | 100.0 | 99.9  | 94.8 | 84.8 | 66.6 | 47.0 | 26.9 | 11.5 | 3.3 | 58.1 | 930  |
| 03-05        | 100.0 | 100.0 | 98.4 | 91.8 | 76.9 | 57.3 | 32.8 | 14.8 | 4.4 | 62.3 | 930  |
| 06-08        | 100.0 | 100.0 | 98.5 | 91.2 | 75.5 | 54.5 | 28.5 | 10.6 | 3.1 | 60.7 | 930  |
| 09-11        | 100.0 | 97.7  | 87.4 | 64.5 | 34.2 | 14.2 | 4.7  | 1.8  | .3  | 44.9 | 930  |
| 12-14        | 99.8  | 91.8  | 63.9 | 28.9 | 9.9  | 3.2  | 1.2  | .2   |     | 34.3 | 930  |
| 15-17        | 100.0 | 86.1  | 52.9 | 27.7 | 14.4 | 8.0  | 4.1  | 2.2  | .4  | 33.9 | 928  |
| 18-20        | 100.0 | 90.4  | 67.5 | 45.4 | 31.1 | 19.4 | 8.7  | 4.2  | 1.0 | 41.3 | 927  |
| 21-23        | 100.0 | 99.4  | 87.1 | 67.6 | 49.8 | 32.9 | 17.3 | 8.0  | 2.4 | 51.1 | 927  |
| ALL<br>HOURS | 100.0 | 95.7  | 81.3 | 62.8 | 44.8 | 29.6 | 15.5 | 6.7  | 1.9 | 48.3 | 7432 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: SEP

| HOURS<br>LST | RELATIVE HUMIDITY GREATER THAN OR EQUAL TO |      |      |      |      |      |      |     |     | MEAN | TOTAL OBS |
|--------------|--------------------------------------------|------|------|------|------|------|------|-----|-----|------|-----------|
|              | 10%                                        | 20%  | 30%  | 40%  | 50%  | 60%  | 70%  | 80% | 90% |      |           |
| 00-02        | 100.0                                      | 99.0 | 86.1 | 61.6 | 40.2 | 26.7 | 14.5 | 6.4 | 2.1 | 48.2 | 888       |
| 03-05        | 100.0                                      | 99.4 | 91.8 | 70.5 | 48.9 | 32.7 | 18.2 | 7.3 | 1.8 | 51.5 | 888       |
| 06-08        | 100.0                                      | 99.8 | 90.9 | 71.5 | 49.0 | 31.1 | 16.0 | 6.8 | 1.6 | 51.1 | 887       |
| 09-11        | 100.0                                      | 92.0 | 64.1 | 37.2 | 18.1 | 8.6  | 2.5  | .3  |     | 36.8 | 888       |
| 12-14        | 99.9                                       | 73.8 | 36.1 | 15.1 | 5.8  | 2.9  | 2.1  | 1.0 | .7  | 28.2 | 892       |
| 15-17        | 100.0                                      | 64.0 | 28.7 | 14.1 | 7.4  | 4.8  | 2.7  | 1.6 | .6  | 26.7 | 894       |
| 18-20        | 100.0                                      | 78.1 | 45.2 | 25.5 | 15.7 | 11.1 | 7.1  | 3.6 | 1.0 | 33.2 | 893       |
| 21-23        | 100.0                                      | 96.0 | 71.5 | 42.9 | 28.8 | 17.7 | 12.2 | 5.6 | 1.8 | 42.1 | 891       |
| ALL<br>HOURS | 100.0                                      | 87.7 | 64.2 | 42.2 | 26.7 | 15.9 | 9.4  | 4.1 | 1.2 | 39.0 | 7121      |

MONTH: OCT

|              |       |      |      |      |      |      |      |      |     |      |      |
|--------------|-------|------|------|------|------|------|------|------|-----|------|------|
| 00-02        | 100.0 | 94.5 | 73.7 | 53.9 | 40.2 | 29.5 | 17.6 | 9.5  | 1.9 | 46.7 | 930  |
| 03-05        | 100.0 | 94.8 | 80.5 | 61.5 | 46.0 | 33.1 | 20.1 | 10.4 | 3.0 | 49.4 | 930  |
| 06-08        | 100.0 | 94.7 | 80.3 | 61.7 | 45.8 | 31.8 | 19.4 | 8.9  | 2.2 | 49.0 | 930  |
| 09-11        | 100.0 | 83.1 | 57.9 | 37.4 | 21.7 | 10.3 | 4.1  | 1.6  | .4  | 36.3 | 929  |
| 12-14        | 99.7  | 62.3 | 38.2 | 17.1 | 6.8  | 3.5  | 2.7  | 1.3  | .5  | 27.6 | 930  |
| 15-17        | 99.7  | 54.1 | 29.5 | 14.3 | 6.3  | 3.9  | 2.0  | 1.2  | .4  | 25.4 | 930  |
| 18-20        | 99.9  | 71.5 | 45.4 | 29.8 | 16.7 | 8.8  | 4.4  | 3.1  | 1.5 | 32.7 | 930  |
| 21-23        | 100.0 | 88.9 | 63.3 | 44.8 | 33.0 | 22.6 | 12.5 | 5.7  | 1.6 | 41.5 | 930  |
| ALL<br>HOURS | 99.9  | 80.5 | 58.6 | 40.1 | 27.1 | 17.9 | 10.4 | 5.2  | 1.5 | 38.6 | 7439 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: NOV

| HOURS<br>LST | RELATIVE HUMIDITY GREATER THAN OR EQUAL TO |      |      |      |      |      |      |      |     | MEAN | TOTAL OBS |
|--------------|--------------------------------------------|------|------|------|------|------|------|------|-----|------|-----------|
|              | 10%                                        | 20%  | 30%  | 40%  | 50%  | 60%  | 70%  | 80%  | 90% |      |           |
| 00-02        | 100.0                                      | 92.7 | 73.3 | 58.3 | 43.3 | 29.4 | 20.6 | 11.9 | 4.9 | 47.9 | 900       |
| 03-05        | 100.0                                      | 94.4 | 76.8 | 59.4 | 46.2 | 34.0 | 21.8 | 12.2 | 4.2 | 49.3 | 900       |
| 06-08        | 100.0                                      | 94.1 | 77.6 | 59.3 | 46.1 | 33.5 | 23.0 | 12.1 | 3.0 | 49.4 | 899       |
| 09-11        | 99.9                                       | 82.2 | 58.6 | 39.9 | 24.8 | 14.9 | 8.4  | 4.6  | .6  | 37.8 | 900       |
| 12-14        | 98.9                                       | 66.7 | 38.6 | 22.8 | 12.4 | 7.2  | 3.8  | 1.8  | .2  | 29.5 | 900       |
| 15-17        | 99.2                                       | 61.8 | 34.8 | 19.8 | 10.7 | 7.3  | 3.8  | 2.0  | .4  | 28.1 | 900       |
| 18-20        | 100.0                                      | 80.3 | 55.2 | 39.1 | 24.1 | 14.3 | 8.4  | 4.7  | 1.7 | 37.1 | 900       |
| 21-23        | 100.0                                      | 89.7 | 69.6 | 51.9 | 38.2 | 27.6 | 17.9 | 8.9  | 3.4 | 45.4 | 900       |
| ALL<br>HOURS | 99.7                                       | 82.7 | 60.6 | 43.8 | 30.7 | 21.0 | 13.5 | 7.3  | 2.3 | 40.0 | 7199      |

MONTH: DEC

|              |       |      |      |      |      |      |      |      |     |      |      |
|--------------|-------|------|------|------|------|------|------|------|-----|------|------|
| 00-02        | 100.0 | 95.8 | 86.7 | 73.7 | 58.5 | 46.0 | 31.5 | 16.9 | 3.0 | 55.7 | 930  |
| 03-05        | 100.0 | 95.7 | 86.8 | 74.4 | 59.2 | 46.5 | 31.7 | 16.3 | 2.6 | 55.9 | 930  |
| 06-08        | 100.0 | 95.9 | 87.7 | 74.4 | 58.7 | 46.7 | 32.0 | 15.6 | 1.7 | 55.7 | 930  |
| 09-11        | 100.0 | 92.0 | 74.2 | 55.1 | 38.2 | 25.3 | 12.9 | 4.8  | .8  | 44.6 | 930  |
| 12-14        | 99.9  | 81.1 | 53.8 | 34.6 | 20.3 | 10.1 | 4.9  | 1.9  | .3  | 35.1 | 930  |
| 15-17        | 100.0 | 77.6 | 51.1 | 31.4 | 17.7 | 9.0  | 4.7  | 3.0  | .8  | 33.9 | 929  |
| 18-20        | 99.9  | 92.8 | 77.6 | 58.6 | 42.5 | 27.4 | 13.1 | 6.1  | 1.5 | 46.4 | 930  |
| 21-23        | 100.0 | 96.2 | 85.6 | 72.4 | 58.1 | 45.8 | 28.4 | 13.7 | 2.7 | 54.8 | 930  |
| ALL<br>HOURS | 100.0 | 90.9 | 75.4 | 59.3 | 44.1 | 32.1 | 19.9 | 9.8  | 1.7 | 47.8 | 7439 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: ALL

| HOURS<br>LST | RELATIVE HUMIDITY GREATER THAN OR EQUAL TO |      |      |      |      |      |      |     |     |      | TOTAL OBS |
|--------------|--------------------------------------------|------|------|------|------|------|------|-----|-----|------|-----------|
|              | 10%                                        | 20%  | 30%  | 40%  | 50%  | 60%  | 70%  | 80% | 90% | MEAN |           |
| 00-02        | 99.9                                       | 91.6 | 73.9 | 56.9 | 42.1 | 29.4 | 18.2 | 8.3 | 1.9 | 46.7 | 10945     |
| 03-05        | 100.0                                      | 94.9 | 80.1 | 62.8 | 47.1 | 33.4 | 20.5 | 9.2 | 2.2 | 49.5 | 10943     |
| 06-08        | 100.0                                      | 94.3 | 79.0 | 61.2 | 45.9 | 32.0 | 19.1 | 8.1 | 1.8 | 48.6 | 10942     |
| 09-11        | 99.9                                       | 80.4 | 57.1 | 37.8 | 22.2 | 11.8 | 5.3  | 2.2 | .4  | 36.1 | 10945     |
| 12-14        | 99.0                                       | 62.6 | 36.5 | 19.2 | 9.2  | 4.5  | 2.3  | 1.0 | .2  | 27.6 | 10949     |
| 15-17        | 99.1                                       | 55.5 | 31.1 | 17.1 | 9.0  | 5.3  | 2.9  | 1.4 | .3  | 26.2 | 10946     |
| 18-20        | 99.3                                       | 68.7 | 46.4 | 31.0 | 19.6 | 11.8 | 6.3  | 3.2 | .9  | 32.9 | 10944     |
| 21-23        | 99.8                                       | 83.4 | 63.7 | 46.8 | 33.7 | 23.1 | 13.4 | 6.2 | 1.5 | 41.6 | 10943     |
| ALL<br>HOURS | 99.6                                       | 78.9 | 58.5 | 41.6 | 28.6 | 18.9 | 11.0 | 4.9 | 1.2 | 38.6 | 87557     |



|         |           |         |           |           |
|---------|-----------|---------|-----------|-----------|
| PPPPPPP | AAAAAA    | RRRRRRR | TTTTTTTTT | FFFFFFFFF |
| PPPPPPP | AAAAAAA   | RRRRRRR | TTTTTTTTT | FFFFFFFFF |
| PP PP   | AA AA     | RR RR   | TT        | FF        |
| PP PP   | AA AA     | RR RR   | TT        | FF        |
| PPPPPPP | AA AA     | RRRRRRR | TT        | FFFFF     |
| PPPPPPP | AAAAAAAAA | RRRRRRR | TT        | TTTTT     |
| PP      | AAAAAAAAA | 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        |

PART F

PRESSURE SUMMARIES

ALL PRESSURE DATA IN PART F IS TAKEN FROM HOURLY OBSERVATIONS. IT IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD SYNOPTIC REPORTING TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SEA LEVEL PRESSURE.

IN MILLIBARS, TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS. THIS SUMMARY IS NOT AVAILABLE FOR METAR REPORTING SITES.

ALTIMETER SETTING.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS.

STATION PRESSURE.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

PRESSURE CONVERSIONS ARE: 1 MILLIBAR = 0.02953 INCHES OF MERCURY (HG).

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

SEA LEVEL PRESSURE IN MILLIBARS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89

| HOURS<br>(LST) | STATS   | JAN    | FEB    | MAR    | APR    | MAY    | JUN    | JUL    | AUG    | SEP    | OCT    | NOV    | DEC    | ANN    |
|----------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0200           | MEAN    | 1017.2 | 1015.6 | 1013.3 | 1011.5 | 1009.4 | 1008.7 | 1010.6 | 1011.9 | 1010.4 | 1012.7 | 1015.1 | 1016.8 | 1012.7 |
|                | SD      | 4.145  | 4.014  | 4.092  | 3.289  | 2.659  | 2.109  | 2.339  | 2.438  | 2.610  | 3.035  | 3.700  | 4.324  | 4.323  |
|                | TOT OBS | 310    | 283    | 310    | 300    | 310    | 300    | 310    | 310    | 300    | 310    | 300    | 310    | 3653   |
| 0500           | MEAN    | 1016.9 | 1015.3 | 1013.0 | 1011.6 | 1009.7 | 1009.3 | 1011.0 | 1011.1 | 1010.6 | 1012.7 | 1015.0 | 1016.6 | 1012.7 |
|                | SD      | 4.190  | 4.025  | 4.098  | 3.407  | 2.625  | 2.126  | 2.261  | 2.399  | 2.616  | 3.128  | 3.757  | 4.387  | 4.203  |
|                | TOT OBS | 310    | 283    | 310    | 300    | 310    | 300    | 310    | 310    | 300    | 310    | 300    | 310    | 3653   |
| 0800           | MEAN    | 1018.3 | 1016.7 | 1014.4 | 1012.9 | 1010.7 | 1010.4 | 1012.3 | 1012.4 | 1011.9 | 1014.1 | 1016.6 | 1018.0 | 1014.1 |
|                | SD      | 4.184  | 4.030  | 4.107  | 3.375  | 2.675  | 2.145  | 2.268  | 2.378  | 2.662  | 3.181  | 3.713  | 4.463  | 4.278  |
|                | TOT OBS | 310    | 283    | 310    | 299    | 310    | 300    | 310    | 310    | 300    | 310    | 300    | 310    | 3652   |
| 1100           | MEAN    | 1018.7 | 1017.0 | 1014.4 | 1012.7 | 1010.2 | 1009.9 | 1011.9 | 1012.1 | 1011.7 | 1013.7 | 1016.4 | 1018.3 | 1013.9 |
|                | SD      | 4.068  | 3.941  | 3.977  | 3.382  | 2.721  | 2.191  | 2.260  | 2.375  | 2.659  | 3.228  | 3.583  | 4.287  | 4.403  |
|                | TOT OBS | 310    | 283    | 310    | 300    | 310    | 300    | 310    | 310    | 300    | 310    | 300    | 310    | 3653   |
| 1400           | MEAN    | 1015.7 | 1014.3 | 1012.2 | 1010.7 | 1008.5 | 1008.0 | 1009.7 | 1009.9 | 1009.4 | 1011.3 | 1013.7 | 1015.4 | 1011.6 |
|                | SD      | 4.045  | 3.810  | 3.950  | 3.425  | 2.803  | 2.237  | 2.256  | 2.412  | 2.555  | 3.179  | 3.566  | 4.112  | 4.143  |
|                | TOT OBS | 310    | 283    | 310    | 300    | 310    | 300    | 310    | 310    | 300    | 310    | 300    | 309    | 3652   |
| 1700           | MEAN    | 1015.5 | 1013.7 | 1011.2 | 1009.4 | 1007.2 | 1006.5 | 1008.2 | 1008.6 | 1008.4 | 1010.8 | 1013.6 | 1015.5 | 1010.7 |
|                | SD      | 4.164  | 3.826  | 3.869  | 3.400  | 2.761  | 2.271  | 2.425  | 2.668  | 2.679  | 3.221  | 3.641  | 4.109  | 4.498  |
|                | TOT OBS | 310    | 283    | 310    | 299    | 310    | 300    | 310    | 310    | 300    | 310    | 300    | 310    | 3652   |
| 2000           | MEAN    | 1017.1 | 1015.2 | 1012.4 | 1010.3 | 1007.9 | 1007.1 | 1009.2 | 1009.8 | 1009.6 | 1012.2 | 1015.1 | 1017.0 | 1011.9 |
|                | SD      | 4.211  | 3.879  | 3.956  | 3.313  | 2.800  | 2.288  | 2.712  | 2.797  | 2.737  | 3.210  | 3.705  | 4.176  | 4.743  |
|                | TOT OBS | 310    | 283    | 310    | 299    | 310    | 300    | 310    | 310    | 300    | 310    | 300    | 310    | 3652   |
| 2300           | MEAN    | 1017.6 | 1015.8 | 1013.3 | 1011.6 | 1009.4 | 1008.8 | 1010.9 | 1011.0 | 1010.5 | 1012.8 | 1015.5 | 1017.4 | 1012.9 |
|                | SD      | 4.154  | 3.966  | 4.051  | 3.210  | 2.622  | 2.082  | 2.654  | 2.688  | 2.627  | 3.126  | 3.669  | 4.212  | 4.420  |
|                | TOT OBS | 310    | 283    | 310    | 299    | 310    | 300    | 310    | 310    | 300    | 310    | 300    | 310    | 3652   |
| ALL<br>HOURS   | MEAN    | 1017.1 | 1015.4 | 1013.0 | 1011.3 | 1009.1 | 1008.6 | 1010.5 | 1010.7 | 1010.3 | 1012.5 | 1015.1 | 1016.9 | 1012.5 |
|                | SD      | 4.281  | 4.068  | 4.141  | 3.524  | 2.931  | 2.510  | 2.718  | 2.778  | 2.864  | 3.335  | 3.805  | 4.372  | 4.507  |
|                | TOT OBS | 2480   | 2264   | 2480   | 2396   | 2480   | 2400   | 2480   | 2480   | 2400   | 2480   | 2400   | 2479   | 29219  |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

ALTIMETER SETTING IN INCHES  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89

| HOURS<br>(LST) | STATS   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANN   |
|----------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0200           | MEAN    | 30.10 | 30.06 | 30.00 | 29.97 | 29.93 | 29.94 | 30.00 | 30.00 | 29.98 | 30.02 | 30.06 | 30.09 | 30.01 |
|                | SD      | .114  | .115  | .117  | .091  | .072  | .062  | .064  | .067  | .073  | .086  | .100  | .124  | .106  |
|                | TOT OBS | 310   | 283   | 310   | 300   | 310   | 300   | 310   | 310   | 300   | 309   | 299   | 310   | 3651  |
| 0500           | MEAN    | 30.09 | 30.05 | 29.99 | 29.97 | 29.94 | 29.95 | 30.00 | 30.00 | 29.98 | 30.02 | 30.05 | 30.08 | 30.01 |
|                | SD      | .115  | .116  | .118  | .093  | .073  | .062  | .061  | .065  | .073  | .089  | .102  | .126  | .105  |
|                | TOT OBS | 310   | 283   | 310   | 300   | 310   | 300   | 310   | 310   | 300   | 310   | 300   | 310   | 3653  |
| 0800           | MEAN    | 30.11 | 30.08 | 30.03 | 30.01 | 29.97 | 29.99 | 30.04 | 30.04 | 30.02 | 30.05 | 30.09 | 30.11 | 30.04 |
|                | SD      | .115  | .116  | .118  | .094  | .074  | .064  | .061  | .064  | .074  | .091  | .102  | .126  | .104  |
|                | TOT OBS | 310   | 283   | 310   | 300   | 310   | 300   | 310   | 310   | 300   | 310   | 299   | 310   | 3652  |
| 1100           | MEAN    | 30.14 | 30.09 | 30.03 | 30.01 | 29.96 | 29.97 | 30.03 | 30.03 | 30.01 | 30.05 | 30.09 | 30.13 | 30.05 |
|                | SD      | .113  | .115  | .116  | .095  | .075  | .065  | .060  | .064  | .074  | .092  | .099  | .123  | .108  |
|                | TOT OBS | 310   | 283   | 310   | 300   | 310   | 300   | 310   | 310   | 300   | 310   | 300   | 310   | 3653  |
| 1400           | MEAN    | 30.05 | 30.02 | 29.97 | 29.95 | 29.91 | 29.92 | 29.97 | 29.97 | 29.95 | 29.98 | 30.02 | 30.05 | 29.98 |
|                | SD      | .112  | .111  | .114  | .095  | .077  | .066  | .061  | .066  | .072  | .091  | .097  | .119  | .103  |
|                | TOT OBS | 310   | 283   | 310   | 300   | 310   | 300   | 310   | 310   | 300   | 310   | 300   | 310   | 3653  |
| 1700           | MEAN    | 30.04 | 30.00 | 29.94 | 29.91 | 29.86 | 29.87 | 29.92 | 29.93 | 29.92 | 29.96 | 30.01 | 30.04 | 29.95 |
|                | SD      | .116  | .111  | .111  | .093  | .076  | .065  | .064  | .071  | .075  | .091  | .099  | .117  | .110  |
|                | TOT OBS | 310   | 283   | 310   | 299   | 310   | 300   | 310   | 310   | 300   | 310   | 300   | 310   | 3652  |
| 2000           | MEAN    | 30.08 | 30.03 | 29.97 | 29.93 | 29.89 | 29.89 | 29.95 | 29.96 | 29.95 | 29.99 | 30.04 | 30.08 | 29.98 |
|                | SD      | .116  | .111  | .113  | .090  | .076  | .066  | .071  | .074  | .077  | .090  | .100  | .118  | .112  |
|                | TOT OBS | 310   | 283   | 310   | 299   | 309   | 300   | 310   | 310   | 300   | 310   | 300   | 310   | 3651  |
| 2300           | MEAN    | 30.10 | 30.06 | 30.00 | 29.98 | 29.94 | 29.94 | 30.00 | 30.00 | 29.98 | 30.02 | 30.06 | 30.10 | 30.02 |
|                | SD      | .114  | .114  | .116  | .087  | .071  | .060  | .070  | .072  | .073  | .088  | .099  | .120  | .107  |
|                | TOT OBS | 310   | 283   | 310   | 299   | 310   | 300   | 310   | 310   | 300   | 310   | 300   | 310   | 3652  |
| ALL<br>HOURS   | MEAN    | 30.09 | 30.05 | 29.99 | 29.97 | 29.92 | 29.93 | 29.99 | 29.99 | 29.97 | 30.01 | 30.05 | 30.08 | 30.00 |
|                | SD      | .118  | .117  | .119  | .098  | .082  | .074  | .074  | .076  | .081  | .095  | .103  | .124  | .111  |
|                | TOT OBS | 2480  | 2264  | 2480  | 2397  | 2479  | 2400  | 2480  | 2480  | 2400  | 2479  | 2398  | 2480  | 29217 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

STATION PRESSURE IN INCHES  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89

| HOURS<br>(LST) | STATS   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANN   |
|----------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0200           | MEAN    | 27.28 | 27.24 | 27.18 | 27.15 | 27.13 | 27.13 | 27.19 | 27.19 | 27.17 | 27.21 | 27.24 | 27.27 | 27.20 |
|                | SD      | .106  | .115  | .108  | .084  | .079  | .077  | .070  | .071  | .075  | .086  | .104  | .127  | .105  |
|                | TOT OBS | 310   | 283   | 310   | 300   | 310   | 300   | 310   | 310   | 300   | 309   | 299   | 310   | 3651  |
| 0500           | MEAN    | 27.27 | 27.23 | 27.17 | 27.15 | 27.13 | 27.14 | 27.19 | 27.19 | 27.17 | 27.21 | 27.24 | 27.26 | 27.20 |
|                | SD      | .107  | .116  | .108  | .086  | .079  | .076  | .067  | .069  | .075  | .088  | .106  | .127  | .104  |
|                | TOT OBS | 310   | 283   | 310   | 300   | 310   | 300   | 310   | 310   | 300   | 310   | 300   | 310   | 3653  |
| 0800           | MEAN    | 27.29 | 27.26 | 27.20 | 27.19 | 27.16 | 27.18 | 27.23 | 27.23 | 27.21 | 27.24 | 27.27 | 27.29 | 27.23 |
|                | SD      | .106  | .115  | .109  | .087  | .080  | .078  | .068  | .068  | .076  | .090  | .105  | .127  | .103  |
|                | TOT OBS | 310   | 283   | 310   | 300   | 310   | 300   | 310   | 310   | 300   | 310   | 299   | 310   | 3652  |
| 1100           | MEAN    | 27.32 | 27.28 | 27.21 | 27.18 | 27.15 | 27.17 | 27.22 | 27.22 | 27.20 | 27.23 | 27.27 | 27.31 | 27.23 |
|                | SD      | .106  | .114  | .107  | .087  | .081  | .079  | .068  | .068  | .076  | .092  | .103  | .125  | .107  |
|                | TOT OBS | 310   | 283   | 310   | 300   | 310   | 300   | 310   | 310   | 300   | 310   | 300   | 310   | 3653  |
| 1400           | MEAN    | 27.24 | 27.21 | 27.15 | 27.13 | 27.10 | 27.12 | 27.16 | 27.17 | 27.14 | 27.17 | 27.20 | 27.23 | 27.17 |
|                | SD      | .106  | .111  | .105  | .088  | .082  | .080  | .070  | .070  | .075  | .091  | .101  | .122  | .103  |
|                | TOT OBS | 310   | 283   | 310   | 300   | 310   | 300   | 310   | 310   | 300   | 310   | 300   | 310   | 3653  |
| 1700           | MEAN    | 27.23 | 27.19 | 27.12 | 27.09 | 27.06 | 27.07 | 27.12 | 27.13 | 27.11 | 27.15 | 27.20 | 27.23 | 27.14 |
|                | SD      | .109  | .111  | .102  | .086  | .082  | .081  | .072  | .075  | .076  | .091  | .102  | .120  | .109  |
|                | TOT OBS | 310   | 283   | 310   | 299   | 310   | 300   | 310   | 310   | 300   | 310   | 300   | 310   | 3652  |
| 2000           | MEAN    | 27.26 | 27.22 | 27.15 | 27.12 | 27.09 | 27.09 | 27.15 | 27.16 | 27.14 | 27.18 | 27.23 | 27.26 | 27.17 |
|                | SD      | .108  | .111  | .105  | .084  | .083  | .081  | .074  | .076  | .076  | .089  | .103  | .120  | .111  |
|                | TOT OBS | 310   | 283   | 310   | 299   | 309   | 300   | 310   | 310   | 300   | 310   | 300   | 310   | 3651  |
| 2300           | MEAN    | 27.28 | 27.24 | 27.18 | 27.15 | 27.13 | 27.14 | 27.20 | 27.19 | 27.17 | 27.21 | 27.25 | 27.29 | 27.20 |
|                | SD      | .107  | .117  | .105  | .079  | .080  | .076  | .073  | .076  | .077  | .085  | .108  | .122  | .106  |
|                | TOT OBS | 310   | 283   | 310   | 297   | 310   | 300   | 310   | 310   | 300   | 310   | 300   | 312   | 3652  |
| ALL<br>HOURS   | MEAN    | 27.27 | 27.23 | 27.17 | 27.15 | 27.12 | 27.13 | 27.18 | 27.18 | 27.17 | 27.20 | 27.24 | 27.27 | 27.19 |
|                | SD      | .110  | .117  | .110  | .090  | .087  | .086  | .078  | .078  | .081  | .093  | .107  | .126  | .110  |
|                | TOT OBS | 2480  | 2264  | 2480  | 2395  | 2479  | 2400  | 2480  | 2480  | 2400  | 2479  | 2398  | 2482  | 29217 |

|          |           |          |           |         |
|----------|-----------|----------|-----------|---------|
| PPPPPPP  | AAAAAA    | RRRRRRR  | TTTTTTTT  | GGGGG   |
| PPPPPPPP | AAAAAAA   | RRRRRRRR | TTTTTTTTT | GGGGGGG |
| PP PP    | AA AA     | RR RR    | TT        | GG GG   |
| PP PP    | AA AA     | RR RR    | TT        | GG      |
| PPPPPPPP | AA AA     | RRRRRRR  | TT        | GG      |
| PPPPPPPP | AAAAAAAAA | RRRRRRR  | TT        | GG GGG  |
| PP       | AAAAAAAAA | RR RR    | TT        | GG GGGG |
| PP       | AA AA     | RR RR    | TT        | GG GG   |
| PP       | AA AA     | RR RR    | TT        | GGGGGGG |
| PP       | AA AA     | RR RR    | TT        | GGGGG   |

PART G

CROSSWIND SUMMARY

CROSSWIND SUMMARIES.

THESE TABLES ARE CREATED FROM HOURLY AND SPECIAL OBSERVATIONS (INCLUDING PEAK GUST REMARKS). THE TABLES ARE SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY MONTH (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).

THE TABLES GIVE PERCENT OCCURRENCE FREQUENCY (POF) OF THE "CROSS-RUNWAY WIND COMPONENT" FOR THE WIND SPEED CLASSES SPECIFIED IN THE TABLE HEADINGS. THERE ARE TWO COMPONENT CATEGORIES:

THE FIRST COMPONENT IS COMPUTED FROM THE REPORTED WIND DIRECTION AND WIND SPEED FROM HOURLY RECORD OR RECORD-SPECIAL OBSERVATIONS.

THE SECOND COMPONENT IS COMPUTED FROM THE HIGHEST REPORTED WIND SPEED AND DIRECTION FROM ALL OBSERVATIONS INCLUDING REMARKS, GUSTS, AND SPECIAL OBSERVATIONS.

OBSERVATION COUNTS INCLUDE CALM WINDS.

VARIABLE WINDS ARE CONSIDERED A DIRECT CROSSWIND IF THE SPEED EQUALS OR EXCEEDS THE SPECIFIED THRESHOLD WIND SPEED VALUE(S).

A TOTAL OBSERVATION COUNT IS INCLUDED.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 126-306

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JAN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

| TIME (LST)  | 0000 - 0200 |      |      |     | 0300 - 0500 |      |      |     | 0600 - 0800 |      |      |     | 0900 - 1100 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS |
| CATEGORY A  | .3          |      |      | 930 | .2          |      |      | 930 |             |      |      | 930 | .2          |      |      | 930 |
| CATEGORY B  | .6          | .3   | .1   | 953 | .6          | .3   | .1   | 944 | .6          |      |      | 943 | 1.2         | .3   |      | 941 |

| TIME (LST)  | 1200 - 1400 |      |      |     | 1500 - 1700 |      |      |     | 1800 - 2000 |      |      |     | 2100 - 2300 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS |
| CATEGORY A  | 1.1         | .5   | .1   | 930 | 1.4         | .3   |      | 930 | .2          |      |      | 930 |             |      |      | 930 |
| CATEGORY B  | 4.4         | 1.4  | .7   | 944 | 5.3         | 1.9  | .7   | 951 | 1.8         | .5   | .1   | 943 | .8          |      |      | 942 |

| TIME (LST) | 0600 - 2000 |      |      |      | ALL HOURS |      |      |      |
|------------|-------------|------|------|------|-----------|------|------|------|
| SPEED KTS  | GE15        | GE20 | GE25 | OBS  | GE15      | GE20 | GE25 | OBS  |
| CATEGORY A | .6          | .2   | .0   | 4650 | .4        | .1   | .0   | 7440 |
| CATEGORY B | 2.7         | .8   | .3   | 4722 | 1.9       | .6   | .2   | 7561 |



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 126-306

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: FEB

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

| TIME (LST)  | 0000 - 0200 |      |      |     | 0300 - 0500 |      |      |     | 0600 - 0800 |      |      |     | 0900 - 1100 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS |
| CATEGORY A  |             |      |      | 849 |             |      |      | 849 |             |      |      | 849 | .2          |      |      | 849 |
| CATEGORY B  | .3          | .2   |      | 865 | .7          | .1   |      | 863 | .1          |      |      | 857 | 1.1         | .2   |      | 856 |

| TIME (LST)  | 1200 - 1400 |      |      |     | 1500 - 1700 |      |      |     | 1800 - 2000 |      |      |     | 2100 - 2300 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS |
| CATEGORY A  | .9          | .2   |      | 849 | 1.5         |      |      | 849 | .5          |      |      | 849 | .1          |      |      | 849 |
| CATEGORY B  | 4.5         | 1.7  | .1   | 868 | 5.2         | 2.2  | .1   | 867 | 1.3         | .3   | .1   | 864 | .7          | .5   | 1    | 862 |

| TIME (LST) | 0600 - 2000 |      |      |      | ALL HOURS |      |      |      |
|------------|-------------|------|------|------|-----------|------|------|------|
| SPEED KTS  | GE15        | GE20 | GE25 | OBS  | GE15      | GE20 | GE25 | OBS  |
| CATEGORY A | .6          | .0   |      | 4245 | .4        | .0   |      | 6792 |
| CATEGORY B | 2.4         | .9   | .1   | 4312 | 1.7       | .7   | .1   | 6902 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 126-306

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN ONE HOUR (HOURLIES + SPECIALS)

| TIME (LST)  | 0000 - 0200 |      |      |     | 0300 - 0500 |      |      |     | 0600 - 0800 |      |      |     | 0900 - 1100 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS |
| CATEGORY A  | .1          |      |      | 930 |             |      |      | 930 |             |      |      | 930 | .2          |      |      | 930 |
| CATEGORY B  | .6          | .4   | .1   | 941 | .8          |      |      | 933 | .8          | .3   |      | 947 | 2.3         | .7   | .1   | 947 |

| TIME (LST)  | 1200 - 1400 |      |      |     | 1500 - 1700 |      |      |     | 1800 - 2000 |      |      |     | 2100 - 2300 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS |
| CATEGORY A  | 2.0         | .4   | .1   | 930 | 2.6         | .9   |      | 930 | .9          |      |      | 930 |             |      |      | 930 |
| CATEGORY B  | 7.8         | 3.2  | 1.3  | 954 | 8.6         | 3.8  | 2.1  | 955 | 3.3         | 1.1  | .4   | 939 | .7          | .2   |      | 936 |

| TIME (LST) | 0600 - 2000 |      |      |      | ALL HOURS |      |      |      |
|------------|-------------|------|------|------|-----------|------|------|------|
| SPEED KTS  | GE15        | GE20 | GE25 | OBS  | GE15      | GE20 | GE25 | OBS  |
| CATEGORY A | 1.1         | .3   | .0   | 4650 | .7        | .2   | .0   | 7440 |
| CATEGORY B | 4.6         | 1.8  | .8   | 4742 | 3.1       | 1.2  | .5   | 7552 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 126-306

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: APR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

| TIME (LST)  | 0000 - 0200 |      |      |     | 0300 - 0500 |      |      |     | 0600 - 0800 |      |      |     | 0900 - 1100 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS |
| CATEGORY A  |             |      |      | 900 |             |      |      | 900 |             |      |      | 900 | 1.0         | .1   |      | 900 |
| CATEGORY B  | .2          |      |      | 906 | .2          |      |      | 904 | .2          | .1   |      | 903 | 5.0         | 1.7  | .6   | 926 |

| TIME (LST)  | 1200 - 1400 |      |      |     | 1500 - 1700 |      |      |     | 1800 - 2000 |      |      |     | 2100 - 2300 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS |
| CATEGORY A  | 2.2         | .6   |      | 900 | 2.8         | .8   | .3   | 899 | 1.0         | .1   |      | 897 | .2          |      |      | 897 |
| CATEGORY B  | 12.1        | 4.1  | 1.2  | 918 | 14.3        | 5.5  | 1.7  | 915 | 3.8         | 1.6  | .3   | 911 | 1.3         | .5   | .1   | 910 |

| TIME (LST) | 0600 - 2000 |      |      |      | ALL HOURS |      |      |      |
|------------|-------------|------|------|------|-----------|------|------|------|
| SPEED KTS  | GE15        | GE20 | GE25 | OBS  | GE15      | GE20 | GE25 | OBS  |
| CATEGORY A | 1.4         | .3   | .1   | 4496 | .9        | .2   | .0   | 7193 |
| CATEGORY B | 7.1         | 2.6  | .8   | 4573 | 4.7       | 1.7  | .5   | 7293 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 126-306

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: MAY

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

| TIME (LST)  | 0000 - 0200 |      |      |     | 0300 - 0500 |      |      |     | 0600 - 0800 |      |      |     | 0900 - 1100 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS |
| CATEGORY A  | .1          |      |      | 930 |             |      |      | 930 |             |      |      | 930 | .4          |      |      | 930 |
| CATEGORY B  | .2          |      |      | 930 |             |      |      | 930 | .3          | .1   |      | 932 | 3.1         | .7   |      | 937 |

| TIME (LST)  | 1200 - 1400 |      |      |     | 1500 - 1700 |      |      |     | 1800 - 2000 |      |      |     | 2100 - 2300 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS |
| CATEGORY A  | 1.9         |      |      | 930 | 2.8         | .1   |      | 930 | 1.1         |      |      | 930 | .3          |      |      | 930 |
| CATEGORY B  | 13.5        | 4.1  | 1.3  | 945 | 17.2        | 7.0  | 1.3  | 966 | 7.2         | 1.4  | .1   | 953 | 1.1         | .4   | .1   | 938 |

| TIME (LST) | 0600 - 2000 |      |      |      | ALL HOURS |      |      |      |
|------------|-------------|------|------|------|-----------|------|------|------|
| SPEED KTS  | GE15        | GE20 | GE25 | OBS  | GE15      | GE20 | GE25 | OBS  |
| CATEGORY A | 1.2         | .0   |      | 4650 | .8        | .0   |      | 7440 |
| CATEGORY B | 8.3         | 2.7  | .5   | 4733 | 5.4       | 1.8  | .4   | 7531 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 126-306

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

| TIME (LST)  | 0000 - 0200 |      |      |     | 0300 - 0500 |      |      |     | 0600 - 0800 |      |      |     | 0900 - 1100 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS |
| CATEGORY A  |             |      |      | 900 |             |      |      | 900 |             |      |      | 900 | .3          |      |      | 900 |
| CATEGORY B  | .1          |      |      | 901 |             |      |      | 903 | .1          |      |      | 904 | 2.0         | .4   |      | 905 |

| TIME (LST)  | 1200 - 1400 |      |      |     | 1500 - 1700 |      |      |     | 1800 - 2000 |      |      |     | 2100 - 2300 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS |
| CATEGORY A  | .8          |      |      | 900 | 1.1         | .2   |      | 900 | .4          |      |      | 900 |             |      |      | 900 |
| CATEGORY B  | 8.6         | 2.7  | .3   | 917 | 12.7        | 3.5  | .9   | 922 | 5.1         | 1.7  | .3   | 920 | .6          |      |      | 909 |

| TIME (LST) | 0600 - 2000 |      |      |      | ALL HOURS |      |      |      |
|------------|-------------|------|------|------|-----------|------|------|------|
| SPEED KTS  | GE15        | GE20 | GE25 | OBS  | GE15      | GE20 | GE25 | OBS  |
| CATEGORY A | .5          | .0   |      | 4500 | .3        | .0   |      | 7200 |
| CATEGORY B | 5.7         | 1.7  | .3   | 4568 | 3.7       | 1.1  | .2   | 7281 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 126-306

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: JUL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

| TIME (LST)  | 0000 - 0200 |      |      |     | 0300 - 0500 |      |      |     | 0600 - 0800 |      |      |     | 0900 - 1100 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS |
| CATEGORY A  | .1          |      |      | 930 |             |      |      | 930 |             |      |      | 930 | .1          |      |      | 930 |
| CATEGORY B  | .4          | .1   | .1   | 941 | .1          | .1   |      | 938 |             |      |      | 934 | .6          | .4   | .2   | 937 |

| TIME (LST)  | 1200 - 1400 |      |      |     | 1500 - 1700 |      |      |     | 1800 - 2000 |      |      |     | 2100 - 2300 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS |
| CATEGORY A  | .3          |      |      | 930 | .3          |      |      | 930 | 1.0         | .3   | .1   | 930 | .5          | .1   |      | 930 |
| CATEGORY B  | 3.2         | .9   | .4   | 973 | 5.0         | 1.3  | .4   | 991 | 3.7         | 2.1  | 1.0  | 975 | 2.3         | .8   | .2   | 968 |

| TIME (LST) | 0600 - 2000 |      |      |      | ALL HOURS |      |      |      |
|------------|-------------|------|------|------|-----------|------|------|------|
| SPEED KTS  | GE15        | GE20 | GE25 | OBS  | GE15      | GE20 | GE25 | OBS  |
| CATEGORY A | .3          | .1   | .0   | 4650 | .3        | .1   | .0   | 7440 |
| CATEGORY B | 2.6         | 1.0  | .4   | 4810 | 2.0       | .7   | .3   | 7657 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 126-306

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: AUG

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

| TIME (LST)  | 0000 - 0200 |      |      |     | 0300 - 0500 |      |      |     | 0600 - 0800 |      |      |     | 0900 - 1100 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS |
| CATEGORY A  |             |      |      | 930 |             |      |      | 930 |             |      |      | 930 | .1          |      |      | 930 |
| CATEGORY B  | .3          |      |      | 959 | .5          | .3   | .2   | 947 |             |      |      | 938 | .2          | .1   |      | 938 |

| TIME (LST)  | 1200 - 1400 |      |      |     | 1500 - 1700 |      |      |      | 1800 - 2000 |      |      |      | 2100 - 2300 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|------|-------------|------|------|------|-------------|------|------|-----|
| SPEED (KTS) | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS  | GE15        | GE20 | GE25 | OBS  | GE15        | GE20 | GE25 | OBS |
| CATEGORY A  |             |      |      | 930 | .5          |      |      | 930  | .2          | .1   |      | 930  | .2          |      |      | 930 |
| CATEGORY B  | .6          | .1   |      | 965 | 3.5         | .7   | .2   | 1040 | 2.2         | .4   | .1   | 1007 | 1.5         | .7   | .2   | 983 |

| TIME (LST) | 0600 - 2000 |      |      |      | ALL HOURS |      |      |      |
|------------|-------------|------|------|------|-----------|------|------|------|
| SPEED KTS  | GE15        | GE20 | GE25 | OBS  | GE15      | GE20 | GE25 | OBS  |
| CATEGORY A | .2          | .0   |      | 4650 | .1        | .0   |      | 7440 |
| CATEGORY B | 1.4         | .3   | .1   | 4888 | 1.1       | .3   | .1   | 7777 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 126-306

STATION NUMBER: 722745 STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: SEP

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

| TIME (LST)  | 0000 - 0200 |      |      |     | 0300 - 0500 |      |      |     | 0600 - 0800 |      |      |     | 0900 - 1100 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS |
| CATEGORY A  | .1          |      |      | 900 | .2          | .1   |      | 900 |             |      |      | 900 | .1          |      |      | 900 |
| CATEGORY B  | .6          | .1   |      | 905 | .2          | .2   | .1   | 906 | .1          |      |      | 904 | 1.4         | .4   |      | 905 |

| TIME (LST)  | 1200 - 1400 |      |      |     | 1500 - 1700 |      |      |     | 1800 - 2000 |      |      |     | 2100 - 2300 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS |
| CATEGORY A  | .4          |      |      | 900 | .6          |      |      | 900 | .6          | .3   |      | 900 | .2          | .1   | .1   | 900 |
| CATEGORY B  | 5.1         | 1.0  | .1   | 920 | 4.5         | 1.3  | .1   | 931 | 1.6         | .7   | .5   | 915 | .5          | .1   | .1   | 911 |

| TIME (LST) | 0600 - 2000 |      |      |      | ALL HOURS |      |      |      |
|------------|-------------|------|------|------|-----------|------|------|------|
| SPEED KTS  | GE15        | GE20 | GE25 | OBS  | GE15      | GE20 | GE25 | OBS  |
| CATEGORY A | .3          | .1   |      | 4500 | .3        | .1   | .0   | 7200 |
| CATEGORY B | 2.6         | .7   | .2   | 4575 | 1.8       | .5   | .1   | 7297 |



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 126-306

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: OCT

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

| TIME (LST)  | 0000 - 0200 |      |      |     | 0300 - 0500 |      |      |     | 0600 - 0800 |      |      |     | 0900 - 1100 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS |
| CATEGORY A  |             |      |      | 930 |             |      |      | 930 | .1          |      |      | 930 | .2          | .1   |      | 930 |
| CATEGORY B  |             |      |      | 939 | .5          |      |      | 938 | .3          |      |      | 934 | 1.5         | .5   | .1   | 941 |

| TIME (LST)  | 1200 - 1400 |      |      |     | 1500 - 1700 |      |      |     | 1800 - 2000 |      |      |     | 2100 - 2300 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS |
| CATEGORY A  | 1.0         | .3   |      | 930 | 1.0         |      |      | 930 |             |      |      | 930 |             |      |      | 930 |
| CATEGORY B  | 5.5         | 2.6  | .3   | 945 | 5.1         | 1.5  | .1   | 948 | 1.3         |      |      | 950 | .5          |      |      | 942 |

| TIME (LST) | 0600 - 2000 |      |      |      | ALL HOURS |      |      |      |
|------------|-------------|------|------|------|-----------|------|------|------|
| SPEED KTS  | GE15        | GE20 | GE25 | OBS  | GE15      | GE20 | GE25 | OBS  |
| CATEGORY A | .5          | .1   |      | 4650 | .3        | .1   |      | 7440 |
| CATEGORY B | 2.7         | .9   | .1   | 4718 | 1.8       | .6   | .1   | 7537 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CRSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 126-306

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: NOV

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

| TIME (LST)  | 0000 - 0200 |      |      |     | 0300 - 0500 |      |      |     | 0600 - 0800 |      |      |     | 0900 - 1100 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS |
| CATEGORY A  |             |      |      | 900 |             |      |      | 900 | .1          |      |      | 900 |             |      |      | 900 |
| CATEGORY B  | .6          | .1   |      | 908 | .4          | .3   |      | 914 | .3          | .2   |      | 913 | .6          |      |      | 909 |

| TIME (LST)  | 1200 - 1400 |      |      |     | 1500 - 1700 |      |      |     | 1800 - 2000 |      |      |     | 2100 - 2300 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS |
| CATEGORY A  | .7          | .1   |      | 900 | .9          | .2   |      | 900 | .3          |      |      | 900 | .1          |      |      | 900 |
| CATEGORY B  | 4.6         | 1.5  |      | 908 | 3.7         | 1.6  | .8   | 900 | 1.4         | .7   | .2   | 907 | .8          | .1   | .1   | 910 |

| TIME (LST) | 0600 - 2000 |      |      |      | ALL HOURS |      |      |      |
|------------|-------------|------|------|------|-----------|------|------|------|
| SPEED KTS  | GE15        | GE20 | GE25 | OBS  | GE15      | GE20 | GE25 | OBS  |
| CATEGORY A | .4          | .1   |      | 4500 | .3        | .0   |      | 7200 |
| CATEGORY B | 2.1         | .8   | .2   | 4537 | 1.5       | .6   | .1   | 7269 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 126-306

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: DEC

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

| TIME (LST)  | 0000 - 0200 |      |      |     | 0300 - 0500 |      |      |     | 0600 - 0800 |      |      |     | 0900 - 1100 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS |
| CATEGORY A  |             |      |      | 930 | .1          |      |      | 930 | .2          | .1   |      | 930 | .5          |      |      | 930 |
| CATEGORY B  | .1          |      |      | 951 | .5          | .2   |      | 951 | .6          | .4   | .2   | 954 | 1.3         | .7   | .1   | 949 |

| TIME (LST)  | 1200 - 1400 |      |      |     | 1500 - 1700 |      |      |     | 1800 - 2000 |      |      |     | 2100 - 2300 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS | GE15        | GE20 | GE25 | OBS |
| CATEGORY A  | .5          |      |      | 930 | .1          |      |      | 930 | .1          |      |      | 930 |             |      |      | 930 |
| CATEGORY B  | 2.8         | .7   |      | 956 | .9          | .4   |      | 967 | .5          | .1   |      | 958 |             |      |      | 950 |

| TIME (LST) | 0600 - 2000 |      |      |      | ALL HOURS |      |      |      |
|------------|-------------|------|------|------|-----------|------|------|------|
| SPEED KTS  | GE15        | GE20 | GE25 | OBS  | GE15      | GE20 | GE25 | OBS  |
| CATEGORY A | .3          | .0   |      | 4650 | .2        | .0   |      | 7440 |
| CATEGORY B | 1.2         | .5   | .1   | 4784 | .9        | .3   | .0   | 7636 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 126-306

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 79 - APR 89  
MONTH: ALL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

| TIME (LST)  | 0000 - 0200 |      |      |       | 0300 - 0500 |      |      |       | 0600 - 0800 |      |      |       | 0900 - 1100 |      |      |       |
|-------------|-------------|------|------|-------|-------------|------|------|-------|-------------|------|------|-------|-------------|------|------|-------|
| SPEED (KTS) | GE15        | GE20 | GE25 | OBS   | GE15        | GE20 | GE25 | OBS   | GE15        | GE20 | GE25 | OBS   | GE15        | GE20 | GE25 | OBS   |
| CATEGORY A  | .1          |      |      | 10959 | .0          | .0   |      | 10959 | .0          | .0   |      | 10959 | .3          | .0   |      | 10959 |
| CATEGORY B  | .3          | .1   | .0   | 11099 | .4          | .1   | .0   | 11071 | .3          | .1   | .0   | 11063 | 1.7         | .5   | .1   | 11091 |

| TIME (LST)  | 1200 - 1400 |      |      |       | 1500 - 1700 |      |      |       | 1800 - 2000 |      |      |       | 2100 - 2300 |      |      |       |
|-------------|-------------|------|------|-------|-------------|------|------|-------|-------------|------|------|-------|-------------|------|------|-------|
| SPEED (KTS) | GE15        | GE20 | GE25 | OBS   | GE15        | GE20 | GE25 | OBS   | GE15        | GE20 | GE25 | OBS   | GE15        | GE20 | GE25 | OBS   |
| CATEGORY A  | 1.0         | .2   | .0   | 10959 | 1.3         | .2   | .0   | 10958 | .5          | .1   | .0   | 10956 | .1          | .0   | .0   | 10956 |
| CATEGORY B  | 6.0         | 2.0  | .5   | 11213 | 7.1         | 2.5  | .7   | 11353 | 2.8         | .9   | .3   | 11242 | .9          | .3   | .1   | 11161 |

| TIME (LST) | 0600 - 2000 |      |      |       | ALL HOURS |      |      |       |
|------------|-------------|------|------|-------|-----------|------|------|-------|
| SPEED KTS  | GE15        | GE20 | GE25 | OBS   | GE15      | GE20 | GE25 | OBS   |
| CATEGORY A | .6          | .1   | .0   | 54791 | .4        | .1   | .0   | 87665 |
| CATEGORY B | 3.6         | 1.2  | .3   | 55962 | 2.5       | .8   | .2   | 89293 |

|          |           |          |           |           |    |
|----------|-----------|----------|-----------|-----------|----|
| PPPPPPPP | AAAAAA    | RRRRRRR  | TTTTTTTTT | HH        | HH |
| PPPPPPPP | AAAAAAA   | RRRRRRRR | TTTTTTTTT | HH        | HH |
| PP PP    | AA AA     | RR RR    | TT        | HH        | HH |
| PP PP    | AA AA     | RR RR    | TT        | HH        | HH |
| PPPPPPPP | AA AA     | RRRRRRR  | TT        | HHHHHHHHH | HH |
| PPPPPPPP | AAAAAAAAA | RRRRRRR  | TT        | HHHHHHHHH | HH |
| PP       | AAAAAAAAA | RR RR    | TT        | HH        | HH |
| PP       | AA AA     | RR RR    | TT        | HH        | HH |
| PP       | AA AA     | RR RR    | TT        | HH        | HH |
| PP       | AA AA     | RR RR    | TT        | HH        | HH |

PART H

DEGREE DAY SUMMARIES

DEGREE DAYS.

CREATED FROM HOURLY OBSERVATIONS (MAX+MIN/2 WHEN AVAILABLE), THESE TABLES GIVE THE NUMBER OF DEGREE DAYS FOR EACH MONTH IN EACH YEAR OF THE AVAILABLE PERIOD OF RECORD.

INCLUDED BENEATH EACH SUMMARY ARE STATISTICS BASED ON A 30-YEAR (1951-1980) POR (IF AVAILABLE). THE 30-YEAR POR PROVIDES AWS USERS WITH A SUMMARY CONSISTENT WITH OTHER STANDARD CLIMATIC PUBLICATIONS, NOTABLY THOSE OF THE NATIONAL CLIMATIC DATA CENTER (NCDC). NOTE THAT THE 30-YEAR POR WILL CHANGE TO 1961-1990 AS SOON AS DATA FOR DECEMBER 1990 HAS BEEN PROCESSED.

MONTHS WITH NO AVAILABLE DATA AND MONTHS WITH A VALUE OF ZERO APPEAR AS BLANKS IN THESE TABLES. ASTERISKS (\*\*\*\*) DENOTE AN INCOMPLETE MONTH WITH A DAY (OR DAYS) THAT CANNOT BE CALCULATED (FILLED IN) AUTOMATICALLY.

HEATING DEGREE DAYS.

ONE "HEATING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE MEAN TEMPERATURE FALLS BELOW A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES\* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE ON A GIVEN DAY IS 57 DEGREES, THAT DAY IS SAID TO HAVE 8 HEATING DEGREE DAYS.

COOLING DEGREE DAYS.

ONE "COOLING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE TEMPERATURE RISES ABOVE A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES\* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE FOR A GIVEN DAY IS 73 DEGREES, THAT DAY IS SAID TO HAVE 8 COOLING DEGREE DAYS.

\*65 DEGREES FAHRENHEIT HAS BEEN SELECTED AS THE NATIONWIDE STANDARD "BASE TEMPERATURE" AT WHICH (AT LEAST THEORETICALLY) NO HEATING OR COOLING IS REQUIRED. IF ANOTHER BASE TEMPERATURE IS USED IN THESE TABLES, IT WAS SPECIALLY REQUESTED BY THE STATION, AND IS NOTED.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

HEATING DEGREE DAYS  
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: JAN 48 - APR 89

| YEARS | JAN  | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN  |
|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 1948  | 352  | 393 | 285 | 24  |     |     |     |     |     | 15  | 235 | 342 | 1646 |
| 1949  | **** | 343 | 180 | 52  |     |     |     |     |     | 58  | 26  | 359 | 1018 |
| 1950  | 389  | 176 | 127 | 18  | 18  |     |     |     |     |     | 44  | 165 | 937  |
| 1951  | 396  | 278 | 178 | 77  | 23  |     |     |     |     | 17  | 152 | 373 | 1694 |
| 1952  | 357  | 339 | 373 | 65  |     |     |     |     |     |     | 240 | 472 | 1775 |
| 1953  | 29   | 319 | 135 | 40  | 19  |     |     |     |     | 13  | 123 | 440 | 1368 |
| 1954  | 278  | 89  | 162 | 1   | 3   |     |     |     |     | 6   | 53  | 289 | 881  |
| 1955  | 511  | 396 | 136 | 45  | 6   |     |     |     |     |     | 174 | 255 | 1523 |
| 1956  | 232  | 457 | 152 | 76  |     |     |     |     |     | 45  | 195 | 336 | 1493 |
| 1957  | 329  | 120 | 163 | 62  | 21  |     |     |     |     | 31  | 279 | 274 | 1279 |
| 1958  | 384  | 236 | 314 | 99  |     |     |     |     |     | 20  | 161 | 204 | 1418 |
| 1959  | 270  | 298 | 134 | 3   | 5   |     |     |     |     | 35  | 125 | 337 | 1207 |
| 1960  | 491  | 427 | 98  | 35  | 3   |     |     |     |     | 31  | 161 | 417 | 1663 |
| 1961  | 306  | 287 | 204 | 34  | 1   |     |     |     |     | 58  | 297 | 408 | 1595 |
| 1962  | 440  | 256 | 312 | 8   | 9   |     |     |     |     | 17  | 143 | 305 | 1490 |
| 1963  | 441  | 187 | 195 | 59  |     |     |     |     |     | 4   | 205 | 364 | 1455 |
| 1964  | 537  | 488 | 336 | 130 | 33  |     |     |     |     | 9   | 316 | 421 | 2270 |
| 1965  | 383  | 400 | 320 | 126 | 35  |     |     |     |     | 27  | 104 | 358 | 1753 |
| 1966  | 503  | 466 | 175 | 34  | 2   |     |     |     |     | 21  | 113 | 377 | 1691 |
| 1967  | 407  | 236 | 109 | 115 | 22  |     |     |     |     | 13  | 93  | 507 | 1502 |
| 1968  | 393  | 196 | 240 | 124 | 2   |     |     |     |     | 4   | 229 | 443 | 1631 |
| 1969  | 292  | 363 | 367 | 36  | 38  |     |     |     |     | 69  | 207 | 371 | 1743 |
| 1970  | 452  | 234 | 329 | 155 | 5   |     |     |     |     | 40  | 106 | 356 | 1677 |
| 1973  | 512  | 331 | 449 | 180 | 15  |     |     |     |     | 19  | 216 | 358 | 2080 |
| 1974  | 408  | 316 | 128 | 37  | 5   |     |     |     |     | 47  | 179 | 508 | 1628 |
| 1975  | 409  | 358 | 267 | 174 | 22  |     |     |     |     | 34  | 182 | 345 | 1791 |

|      |     |     |     |    |    |    |     |     |      |
|------|-----|-----|-----|----|----|----|-----|-----|------|
| 1976 | 343 | 182 | 220 | 94 | 7  | 58 | 183 | 382 | 1469 |
| 1977 | 454 | 254 | 327 | 83 | 16 | 3  | 136 | 261 | 1534 |
| 1978 | 391 | 335 | 173 | 83 | 29 | 15 | 234 | 478 | 1738 |
| 1979 | 525 | 316 | 280 | 88 | 20 | 26 | 241 | 272 | 1768 |
| 1980 | 321 | 200 | 236 | 94 | 8  | 48 | 163 | 173 | 1243 |

|      |     |     |     |     |    |    |     |     |      |
|------|-----|-----|-----|-----|----|----|-----|-----|------|
| 1981 | 268 | 208 | 263 | 31  |    | 23 | 77  | 253 | 1123 |
| 1982 | 385 | 259 | 190 | 36  | 8  | 33 | 188 | 447 | 1546 |
| 1983 | 373 | 348 | 273 | 179 | 11 | 1  | 237 | 315 | 1737 |
| 1984 | 366 | 320 | 150 | 123 | 2  | 54 | 223 | 412 | 1650 |
| 1985 | 456 | 313 | 197 | 38  |    | 11 | 214 | 395 | 1624 |

|      |     |     |     |    |    |   |    |     |     |      |
|------|-----|-----|-----|----|----|---|----|-----|-----|------|
| 1986 | 263 | 298 | 148 | 37 | 12 | 2 | 16 | 154 | 364 | 1294 |
| 1987 | 419 | 304 | 260 | 27 |    |   |    | 194 | 460 | 1664 |
| 1988 | 405 | 214 | 218 | 81 | 35 |   |    | 229 | 392 | 1574 |
| 1989 | 447 | 219 | 78  | 10 |    |   |    |     |     | 754  |

|      |       |       |       |       |       |     |       |       |       |
|------|-------|-------|-------|-------|-------|-----|-------|-------|-------|
| MEAN | 388   | 293   | 222   | 70    | 11    | 0   | 23    | 175   | 356   |
| SD   | 79.66 | 91.70 | 87.08 | 49.52 | 11.63 | .32 | 19.59 | 67.45 | 82.96 |

\*\*\*\*SPL 30YR SUMMATION (1951 -1980)\*\*\*\*

|      |       |        |       |       |       |       |       |       |
|------|-------|--------|-------|-------|-------|-------|-------|-------|
| MEAN | 394   | 298    | 232   | 77    | 12    | 25    | 178   | 357   |
| SD   | 85.76 | 101.19 | 94.09 | 48.71 | 11.80 | 19.08 | 63.34 | 83.31 |



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

COOLING DEGREE DAYS  
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 722745

STATION NAME: DAVIS-MONTHAN AFB AZ  
LST TO UTC: + 7

PERIOD OF RECORD: JAN 48 - APR 89

| YEARS | JAN  | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | NN   |
|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 1948  | 1    | 1   | 1   | 171 | 369 | 591 | 726 | 671 | 575 | 262 | 6   | 1   | 3375 |
| 1949  | **** | 2   | 12  | 166 | 297 | 565 | 637 | 624 | 554 | 160 | 89  | 6   | 3112 |
| 1950  | 4    | 5   | 32  | 191 | 274 | 542 | 566 | 647 | 433 | 419 | 70  | 9   | 3192 |
| 1951  | 2    | 10  | 5   | 86  | 333 | 510 | 749 | 627 | 568 | 293 | 3   |     | 3186 |
| 1952  |      |     | 9   | 96  | 410 | 594 | 698 | 672 | 602 | 421 | 43  |     | 3545 |
| 1953  | 7    |     | 39  | 116 | 213 | 638 | 702 | 727 | 620 | 284 | 108 |     | 3454 |
| 1954  | 2    | 27  | 20  | 264 | 410 | 591 | 691 | 608 | 575 | 334 | 41  | 9   | 3572 |
| 1955  |      |     | 25  | 88  | 263 | 567 | 620 | 559 | 535 | 331 | 22  |     | 3010 |
| 1956  | 3    |     | 33  | 83  | 376 | 657 | 637 | 602 | 585 | 232 | 20  |     | 3228 |
| 1957  |      | 26  | 7   | 72  | 202 | 628 | 721 | 624 | 514 | 169 |     |     | 2963 |
| 1958  |      | 3   |     | 98  | 457 | 626 | 701 | 617 | 484 | 273 | 18  |     | 3277 |
| 1959  | 2    |     | 12  | 205 | 308 | 661 | 698 | 562 | 510 | 247 | 8   | 1   | 3214 |
| 1960  |      |     | 40  | 130 | 309 | 639 | 705 | 660 | 523 | 134 | 22  | 4   | 3166 |
| 1961  |      | 1   | 10  | 117 | 304 | 571 | 623 | 484 | 360 | 199 |     |     | 2669 |
| 1962  |      | 10  | 11  | 178 | 216 | 459 | 625 | 685 | 505 | 173 | 38  |     | 2900 |
| 1963  |      | 29  | 17  | 88  | 388 | 437 | 677 | 529 | 558 | 280 | 23  |     | 3026 |
| 1964  |      |     | 15  | 61  | 260 | 494 | 630 | 515 | 332 | 224 | 2   |     | 2533 |
| 1965  |      |     | 4   | 95  | 149 | 360 | 549 | 609 | 403 | 296 | 55  | 4   | 2524 |
| 1966  |      |     | 14  | 65  | 348 | 551 | 662 | 599 | 447 | 174 | 27  | 2   | 2889 |
| 1967  |      | 3   | 40  | 39  | 246 | 472 | 625 | 605 | 473 | 223 | 44  |     | 2770 |
| 1968  |      | 1   | 4   | 33  | 224 | 526 | 575 | 479 | 465 | 195 | 11  |     | 2513 |
| 1969  |      |     | 11  | 87  | 357 | 491 | 644 | 657 | 508 | 133 |     |     | 2888 |
| 1970  |      | 4   |     | 19  | 344 | 550 | 668 | 598 | 372 | 96  | 19  | 3   | 2673 |
| 1973  |      |     |     | 21  | 300 | 528 | 620 | 643 | 482 | 246 | 35  |     | 2875 |
| 1974  |      | 1   | 31  | 103 | 354 | 713 | 636 | 607 | 408 | 237 | 5   |     | 3095 |
| 1975  |      |     | 12  | 23  | 226 | 522 | 606 | 678 | 492 | 214 | 38  | 3   | 2814 |

|      |   |   |    |     |     |     |     |     |     |     |    |      |      |
|------|---|---|----|-----|-----|-----|-----|-----|-----|-----|----|------|------|
| 1976 | 3 | 1 | 16 | 96  | 268 | 528 | 589 | 646 | 417 | 150 | 25 | 2739 |      |
| 1977 |   |   | 3  | 104 | 173 | 573 | 671 | 645 | 504 | 248 | 17 | 2938 |      |
| 1978 |   |   | 35 | 54  | 267 | 617 | 709 | 598 | 496 | 311 | 34 | 3121 |      |
| 1979 |   |   |    | 89  | 249 | 548 | 701 | 563 | 581 | 297 | 16 | 3044 |      |
| 1980 |   | 6 | 2  | 101 | 188 | 601 | 731 | 573 | 496 | 254 | 61 | 5    | 3018 |

|      |   |   |   |     |     |     |     |     |     |     |    |   |      |
|------|---|---|---|-----|-----|-----|-----|-----|-----|-----|----|---|------|
| 1981 | 1 | 6 | 4 | 152 | 239 | 661 | 663 | 696 | 508 | 179 | 56 | 5 | 3170 |
| 1982 |   | 5 | 7 | 105 | 271 | 499 | 634 | 594 | 461 | 139 | 2  |   | 2717 |
| 1983 |   |   | 4 | 29  | 261 | 475 | 646 | 565 | 487 | 115 | 5  |   | 2587 |
| 1984 |   |   | 6 | 67  | 447 | 539 | 570 | 530 | 490 | 93  | 15 |   | 2757 |
| 1985 |   | 1 | 5 | 155 | 341 | 593 | 671 | 627 | 366 | 157 | 15 |   | 2931 |

|      |   |    |     |     |     |     |     |     |     |     |    |   |      |
|------|---|----|-----|-----|-----|-----|-----|-----|-----|-----|----|---|------|
| 1986 | 1 | 10 | 42  | 106 | 314 | 608 | 589 | 611 | 397 | 150 | 2  |   | 2830 |
| 1987 |   | 1  | 7   | 173 | 260 | 603 | 649 | 581 | 430 | 315 | 12 |   | 3029 |
| 1988 |   | 6  | 33  | 87  | 295 | 583 | 686 | 621 | 472 | 301 | 40 | 3 | 3127 |
| 1989 |   | 3  | 112 | 263 |     |     |     |     |     |     |    |   | 378  |

|      |      |      |       |       |       |       |       |       |       |       |       |      |
|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| MEAN | 0    | 4    | 17    | 106   | 295   | 561   | 653   | 608   | 486   | 229   | 26    | 1    |
| SD   | 1.46 | 7.34 | 20.26 | 59.69 | 73.86 | 70.69 | 49.88 | 55.44 | 70.93 | 81.02 | 25.11 | 2.49 |

\*\*\*\*SPL 30YR SUMMATION (1951 -1980)\*\*\*\*

|      |      |      |       |       |       |       |       |       |       |       |       |      |
|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| MEAN | 0    | 4    | 14    | 93    | 290   | 559   | 659   | 606   | 493   | 238   | 26    | 1    |
| SD   | 1.56 | 8.58 | 13.15 | 53.72 | 79.16 | 77.30 | 49.94 | 58.95 | 73.92 | 71.85 | 23.22 | 2.17 |

|                                                                                                                                                                                                                |                                                      |       |       |       |       |       |       |       |       |       |       |       |                     |     |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------------|-----|--|
| A W S                                                                                                                                                                                                          | STATION NAME: DAVIS-MONTHAN AFB AZ                   |       |       |       |       |       |       |       |       |       |       |       | FIELD ELEV: 2705 FT |     |  |
| CLIMATIC BRIEF                                                                                                                                                                                                 | LATITUDE/LONGITUDE: 32 10 N 110 53 W                 |       |       |       |       |       |       |       |       |       |       |       | STATION MSC: 722745 |     |  |
|                                                                                                                                                                                                                | HOURLY OBS POR: MAY 79 - APR 89                      |       |       |       |       |       |       |       |       |       |       |       | CALL SIGN: KDMA     |     |  |
|                                                                                                                                                                                                                | SUMMARY OF DAY POR: JUL 41 - JAN 46, JAN 48 - APR 89 |       |       |       |       |       |       |       |       |       |       |       |                     |     |  |
|                                                                                                                                                                                                                | HOURS SUMMARIZED: 0000 - 2300 LST                    |       |       |       |       |       |       |       |       |       |       |       | SUPERSEDES: NOV 86  |     |  |
| MAY 90                                                                                                                                                                                                         | LST TO UTC: +07                                      |       |       |       |       |       |       |       |       |       |       |       |                     |     |  |
| MONTH                                                                                                                                                                                                          | JAN                                                  | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANN                 | YOR |  |
| EXTRM MAX TEMP (F)                                                                                                                                                                                             | 88                                                   | 89    | 97    | 102   | 106   | 112   | 111   | 111   | 108   | 101   | 91    | 84    | 112                 | 48  |  |
| MEAN MAX TEMP (F)                                                                                                                                                                                              | 63                                                   | 67    | 71    | 80    | 88    | 98    | 98    | 96    | 93    | 84    | 72    | 65    | 81                  | 48  |  |
| MEAN TEMP (F)                                                                                                                                                                                                  | 52                                                   | 55    | 58    | 66    | 74    | 83    | 86    | 84    | 81    | 71    | 60    | 53    | 69                  | 48  |  |
| MEAN MIN TEMP (F)                                                                                                                                                                                              | 40                                                   | 42    | 45    | 52    | 59    | 69    | 74    | 73    | 69    | 59    | 47    | 41    | 56                  | 48  |  |
| EXTRM MIN TEMP (F)                                                                                                                                                                                             | 17                                                   | 23    | 22    | 31    | 37    | 50    | 63    | 63    | 51    | 31    | 26    | 20    | 17                  | 48  |  |
| D/W TEMP GE 100 (F)                                                                                                                                                                                            | 0                                                    | 0     | 0     | #     | 1     | 13    | 13    | 6     | 4     | #     | 0     | 0     | 37                  | 48  |  |
| D/W TEMP GE 90 (F)                                                                                                                                                                                             | 0                                                    | 0     | 1     | 4     | 15    | 27    | 28    | 27    | 23    | 8     | #     | 0     | 133                 | 48  |  |
| D/W TEMP LT 40 (F)                                                                                                                                                                                             | 14                                                   | 10    | 6     | 1     | #     | 0     | 0     | 0     | 0     | 1     | 4     | 12    | 48                  | 48  |  |
| D/W TEMP LT 33 (F)                                                                                                                                                                                             | 4                                                    | 2     | 1     | #     | 0     | 0     | 0     | 0     | 0     | #     | 1     | 3     | 11                  | 48  |  |
| HEATING DEGREE DAYS                                                                                                                                                                                            | 388                                                  | 293   | 222   | 70    | 11    | 0     | 0     | 0     | #     | 23    | 175   | 356   | 1538                | 42  |  |
| COOLING DEGREE DAYS                                                                                                                                                                                            | #                                                    | 4     | 17    | 106   | 295   | 561   | 653   | 608   | 486   | 229   | 26    | 1     | 2986                | 42  |  |
| MEAN DEWPOINT TEMP (F)                                                                                                                                                                                         | 31                                                   | 31    | 31    | 31    | 33    | 38    | 55    | 59    | 50    | 40    | 31    | 31    | 38                  | 10  |  |
| MEAN WET BULB TEMP (F)                                                                                                                                                                                         | 42                                                   | 44    | 46    | 50    | 54    | 60    | 67    | 68    | 63    | 55    | 46    | 43    | 53                  | 10  |  |
| 99.95% WCPA (FT)                                                                                                                                                                                               | 2800                                                 | 2850  | 2900  | 2850  | 2850  | 2850  | 2800  | 2800  | 2800  | 2800  | 2800  | 2850  | 2900                | 10  |  |
| MEAN REL HUM 07 LST(%)                                                                                                                                                                                         | 57.7                                                 | 56.0  | 50.9  | 39.4  | 33.6  | 28.4  | 50.8  | 60.7  | 51.1  | 49.0  | 49.4  | 55.7  | 48.6                | 10  |  |
| MEAN REL HUM 13 LST(%)                                                                                                                                                                                         | 35.4                                                 | 32.0  | 27.5  | 20.2  | 17.1  | 15.7  | 28.9  | 34.3  | 28.2  | 27.6  | 29.5  | 35.1  | 27.6                | 10  |  |
| MAX 24HR PRECIP (IN)                                                                                                                                                                                           | 1.18                                                 | 1.56  | 1.95  | 1.04  | .68   | .67   | 2.29  | 2.16  | 2.53  | 3.01  | 1.25  | 1.45  | 3.01                | 48  |  |
| MAX PRECIP (IN)                                                                                                                                                                                                | 3.00                                                 | 3.24  | 2.32  | 1.78  | 1.08  | 1.15  | 6.18  | 4.89  | 4.35  | 5.26  | 2.10  | 5.81  | 23.32               | 48  |  |
| MEAN PRECIP (IN)                                                                                                                                                                                               | .94                                                  | .77   | .79   | .33   | .17   | .27   | 2.06  | 1.92  | 1.27  | .93   | .67   | 1.03  | 11.22               | 48  |  |
| MIN PRECIP (IN)                                                                                                                                                                                                | .00                                                  | .00   | .00   | .00   | .00   | .00   | .23   | .15   | .00   | .00   | .00   | .00   | 5.67                | 48  |  |
| D/W PRECIP GE .01 (IN)                                                                                                                                                                                         | 4                                                    | 4     | 4     | 2     | 1     | 2     | 10    | 8     | 4     | 3     | 3     | 4     | 49                  | 48  |  |
| D/W PRECIP GT .50 (IN)                                                                                                                                                                                         | 1                                                    | 1     | 1     | #     | #     | #     | 1     | 1     | 1     | 1     | 1     | 1     | 9                   | 48  |  |
| MAX 24HR SNFL (IN)                                                                                                                                                                                             | 2.9                                                  | 3.1   | 2.2   | .5    | #     | 0     | 0     | 0     | 0     | 0     | 6.6   | 6.0   | 6.6                 | 41  |  |
| MAX SNFL (IN)                                                                                                                                                                                                  | 4.9                                                  | 3.5   | 4.1   | .5    | #     | 0     | 0     | 0     | 0     | 0     | 6.6   | 6.0   | 6.6                 | 41  |  |
| MEAN SNFL (IN)                                                                                                                                                                                                 | .3                                                   | .1    | .1    | #     | #     | 0     | 0     | 0     | 0     | 0     | .2    | .3    | 1.1                 | 41  |  |
| D/W SNFL GE .1 (IN)                                                                                                                                                                                            | 1                                                    | 1     | #     | #     | 0     | 0     | 0     | 0     | 0     | 0     | #     | 1     | 3                   | 41  |  |
| D/W SNFL GE 1.5 (IN)                                                                                                                                                                                           | #                                                    | #     | #     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | #     | #     | #                   | 41  |  |
| MAX DLY SNO DEPTH (IN)                                                                                                                                                                                         | 1                                                    | 1     | 4     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 3     | 3     | 4                   | 41  |  |
| PRVLNG WND DIR (DEG)                                                                                                                                                                                           | 11-13                                                | 11-13 | 14-16 | 14-16 | 14-16 | 14-16 | 14-16 | 14-16 | 14-16 | 14-16 | 14-16 | 11-13 | 14-16               | 10  |  |
| MEAN WND SPD (KTS)                                                                                                                                                                                             | 4                                                    | 4     | 5     | 5     | 5     | 5     | 5     | 4     | 4     | 4     | 4     | 4     | 4                   | 10  |  |
| MAX WND SPD (KTS)                                                                                                                                                                                              | 41                                                   | 50    | 47    | 56    | 47    | 60    | 68    | 70    | 46    | 49    | 46    | 50    | 70                  | 40  |  |
| SKY COVER GT 5/10 (%)                                                                                                                                                                                          | 39.0                                                 | 41.4  | 35.0  | 31.6  | 22.0  | 20.7  | 47.0  | 45.9  | 24.0  | 25.2  | 27.0  | 36.9  | 33.3                | 10  |  |
| D/W THUNDERSTORMS                                                                                                                                                                                              | 1                                                    | 1     | 1     | 1     | 2     | 3     | 15    | 14    | 5     | 2     | 1     | 1     | 47                  | 40  |  |
| D/W FOG (VSBY LT 7 MI)                                                                                                                                                                                         | 1                                                    | 1     | 1     | #     | #     | 0     | #     | #     | 1     | 1     | 1     | 1     | 7                   | 40  |  |
| LEGEND: ANN = ANNUAL<br>D/W = MEAN NUMBER OF DAYS WITH<br>& = BASED ON LESS THAN FULL MONTHS<br>** = INSTANTANEOUS PEAK WINDS<br>* = DATA NOT AVAILABLE                                                        |                                                      |       |       |       |       |       |       |       |       |       |       |       |                     |     |  |
| POR/YOR = PERIOD/YEARS OF RECORD<br>WCPA = WORST CASE MAXIMUM PRESSURE ALTITUDE<br># = LESS THAN 0.5 DAYS OR TRACE AS APPLICABLE<br>\$ = PERCENTAGE OF CALM WINDS GREATER THAN OR EQUAL TO MEAN WIND DIRECTION |                                                      |       |       |       |       |       |       |       |       |       |       |       |                     |     |  |

| PERCENT OCCURRENCE FREQUENCY OF CEILING AND VISIBILITY |         |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------------------------------------------------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| MONTH                                                  |         | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN | YGR |
| CIG<br>LT 3000 FT<br>AND/OR<br>VSBY<br>LT 3 MI         | LST     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                        | 00 - 02 | .3  | 2.0 | .0  | .2  | .0  | .0  | .0  | .1  | .1  | .0  | .4  | 1.9 | .4  | 10  |
|                                                        | 03 - 05 | 1.0 | 1.2 | .1  | .2  | .0  | .0  | .0  | .0  | .0  | .1  | .8  | 2.5 | .5  | 10  |
|                                                        | 06 - 08 | 1.6 | 1.5 | 1.2 | .0  | .0  | .0  | .3  | .1  | .1  | .2  | 1.1 | 2.0 | .7  | 10  |
|                                                        | 09 - 11 | 1.6 | .9  | .9  | .0  | .0  | .0  | .0  | .0  | .0  | .3  | .8  | 1.4 | .5  | 10  |
|                                                        | 12 - 14 | 1.1 | .8  | .2  | .0  | .1  | .1  | .0  | .1  | .7  | .5  | .4  | 1.1 | .4  | 10  |
|                                                        | 15 - 17 | .4  | 1.1 | .6  | .1  | .0  | .0  | .1  | .2  | .6  | .1  | .3  | .6  | .3  | 10  |
|                                                        | 18 - 20 | 1.2 | 1.5 | .3  | .0  | .0  | .0  | .2  | .0  | .4  | .0  | .3  | 1.9 | .5  | 10  |
|                                                        | 21 - 23 | .9  | 2.1 | .4  | .3  | .0  | .0  | .1  | .0  | .1  | .0  | .6  | 1.6 | .5  | 10  |
|                                                        | ALL     | 1.0 | 1.4 | .5  | .1  | .0  | .0  | .1  | .1  | .2  | .2  | .6  | 1.6 | .5  | 10  |
| CIG<br>LT 1500 FT<br>AND/OR<br>VSBY<br>LT 3 MI         | 00 - 02 | .2  | .6  | .0  | .0  | .0  | .0  | .0  | .1  | .1  | .0  | .3  | .9  | .2  | 10  |
|                                                        | 03 - 05 | .8  | .4  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .7  | 1.1 | .2  | 10  |
|                                                        | 06 - 08 | .8  | .5  | .4  | .0  | .0  | .0  | .2  | .1  | .1  | .0  | .7  | 1.0 | .3  | 10  |
|                                                        | 09 - 11 | .8  | .2  | .2  | .0  | .0  | .0  | .0  | .0  | .0  | .2  | .3  | 1.1 | .2  | 10  |
|                                                        | 12 - 14 | .5  | .4  | .1  | .0  | .1  | .1  | .0  | .1  | .7  | .4  | .3  | .6  | .3  | 10  |
|                                                        | 15 - 17 | .3  | .4  | .1  | .1  | .0  | .0  | .1  | .1  | .3  | .1  | .3  | .5  | .2  | 10  |
|                                                        | 18 - 20 | .6  | .8  | .1  | .0  | .0  | .0  | .2  | .0  | .3  | .0  | .1  | .8  | .2  | 10  |
|                                                        | 21 - 23 | .4  | .9  | .1  | .0  | .0  | .0  | .1  | .0  | .0  | .0  | .1  | .4  | .2  | 10  |
|                                                        | ALL     | .6  | .5  | .1  | .0  | .0  | .0  | .1  | .1  | .2  | .1  | .4  | .8  | .2  | 10  |
| CIG<br>LT 1000 FT<br>AND/OR<br>VSBY<br>LT 2 MI         | 00 - 02 | .2  | .2  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .2  | .8  | .1  | 10  |
|                                                        | 03 - 05 | .8  | .4  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .7  | .9  | .2  | 10  |
|                                                        | 06 - 08 | .4  | .4  | .0  | .0  | .0  | .0  | .1  | .0  | .0  | .0  | .7  | .9  | .2  | 10  |
|                                                        | 09 - 11 | .3  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .1  | .0  | .8  | .1  | 10  |
|                                                        | 12 - 14 | .1  | .2  | .0  | .0  | .0  | .1  | .0  | .0  | .3  | .1  | .1  | .2  | .1  | 10  |
|                                                        | 15 - 17 | .3  | .0  | .0  | .0  | .0  | .0  | .1  | .0  | .3  | .0  | .3  | .5  | .1  | 10  |
|                                                        | 18 - 20 | .5  | .2  | .0  | .0  | .0  | .0  | .2  | .0  | .2  | .0  | .0  | .5  | .1  | 10  |
|                                                        | 21 - 23 | .3  | .4  | .0  | .0  | .0  | .0  | .1  | .0  | .0  | .0  | .0  | .3  | .1  | 10  |
|                                                        | ALL     | .4  | .2  | .0  | .0  | .0  | .0  | .1  | .0  | .1  | .0  | .2  | .6  | .1  | 10  |
| CIG<br>LT 200 FT<br>AND/OR<br>VSBY<br>LT 1/2 MI        | 00 - 02 | .1  | .1  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .2  | .2  | .0  | 10  |
|                                                        | 03 - 05 | .0  | .4  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .4  | .0  | .1  | 10  |
|                                                        | 06 - 08 | .1  | .0  | .0  | .0  | .0  | .0  | .1  | .0  | .0  | .0  | .1  | .2  | .0  | 10  |
|                                                        | 09 - 11 | .1  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .1  | .0  | 10  |
|                                                        | 12 - 14 | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | 10  |
|                                                        | 15 - 17 | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | 10  |
|                                                        | 18 - 20 | .0  | .0  | .0  | .0  | .0  | .0  | .2  | .0  | .0  | .0  | .0  | .0  | .0  | 10  |
|                                                        | 21 - 23 | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | 10  |
|                                                        | ALL     | .0  | .1  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .1  | .1  | .0  | 10  |

HURRICANES/TROPICAL STORMS OBSERVED FOR THE PERIOD 1965 - 1986:

|       |     |     |     |
|-------|-----|-----|-----|
| HR/TS | AUG | SEP | ANN |
| 60NM  | 0/0 | 0/0 | 0/0 |
| 120NM | 0/0 | 0/0 | 0/0 |
| 240NM | 1/1 | 0/1 | 1/2 |

REMARKS : 0

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