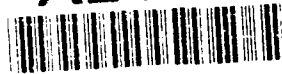


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USAFETAC/DS--91/240

2



# SURFACE OBSERVATION CLIMATIC SUMMARIES

FOR

## POINT LAY, ALASKA

Prepared by

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

APRIL 1991

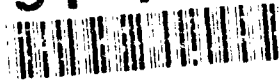


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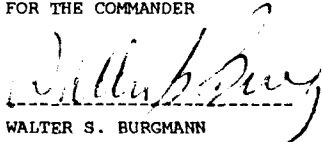
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JOSEPH L. BOYTE  
CHIEF, CLIMATIC APPLICATIONS, OL-A

FOR THE COMMANDER



WALTER S. BURGMANN  
SCIENTIFIC AND TECHNICAL INFORMATION  
PROGRAM MANAGER

17 SEP 1991

C. BURGMANN  
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II

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11. SUPPLEMENTARY NOTES: EFFECTIVE JULY 1 1988, THIS PRODUCT REPLACED TWO USAFETAC DOCUMENTS FORMERLY KNOWN AS THE REVISED UNIFORM SUMMARY OF SURFACE OBSERVATIONS (RUSSWO) AND THE LIMITED SURFACE OBSERVATIONS CLIMATIC SUMMARY (LISOCs). EXISTING RUSSWOS AND LISOCs WILL CONTINUE IN USE, BUT WILL EVENTUALLY BE BY A SOCS.
- 12A. DISTRIBUTION/AVAILABILITY STATEMENT: APPROVED FOR PUBLIC RELEASE, DISTRIBUTION IS UNLIMITED.
13. ABSTRACT: SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) PROVIDE STATISTICAL CLIMATIC SUMMARIES OF SURFACE WEATHER OBSERVATIONS TAKEN AND RECORDED AT SPECIFIED USAF, CIVILIAN AND FOREIGN OBSERVING STATIONS. HOURLY OBSERVATIONS ARE SUMMARIZED FROM A 10-YEAR PERIOD OF RECORD (POR). "SUMMARY OF DAY" (SOD) INFORMATION IS SUMMARIZED FROM ALL AVAILABLE DATA IN THE OL-A, USAFETAC CLIMATIC DATABASE.
14. SUBJECT TERMS: CLIMATOLOGY, METEOROLOGICAL DATA, ATMOSPHERIC PHENOMENA, WEATHER, SOCS, POINT LAY, ALASKA, CEILING, CLOUD COVER, SNOW DEPTH, HUMIDITY, PRESSURE, PRECIPITATION, SNOW TEMPERATURE, VISIBILITY, WIND.
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III

#### 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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\*\*\* NOTE: THE AWS CLIMATIC BRIEF IS ATTACHED AT THE END OF THE SOCS \*\*\*

INTRODUCTION

STATION PERIOD OF RECORD.

HOURLY OBSERVATIONS: JUL 73 - SEP 88 (SYNOPTIC).

\*\*\*\*PLEASE NOTE THAT THESE SUMMARIES COMPILED ARE STRICTLY FROM SYNOPTIC OBSERVATIONS FOR 00,06,12,18 ZULU. THIS MEANS THAT THE SUMMARIES ARE BASED ON FOUR OR LESS OBSERVATIONS PER DAY. THIS FACT SHOULD BE TAKEN IN ACCOUNT WHEN EXAMINING THE SUMMARIES. ALSO, THERE IS NO SUMMARY OF DAY DATA AVAILABLE FOR THIS STATION. THEREFORE, ANY SUMMARY REQUIRING SUMMARY OF THE DAY DATA IS NOT INCLUDED WITH THIS PRODUCT.\*\*\*\*

HOURS SUMMARIZED: SYNOPTIC HOURS 00,06,12,18 ZULU (03,09,15,21 LST) ONLY

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. NOTE: EXTREMES OCCURRING DURING NON-OPERATIONAL HOURS AND/OR DAYS ARE NOT REFLECTED IN THESE SUMMARIES.

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 |

NOTE 1. DURING PART TIME PERIODS, THE FIRST AND LAST 3-HOUR PERIODS MAY HAVE SIGNIFICANT SHORTFALLS IN OBSERVATION COUNTS.

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

NOTE: OL-A/USAFETAC DERIVES STATION LATITUDE/LONGITUDE COORDINATES AND AIRFIELD ELEVATION DATA FROM THE AWS MASTER STATION CATALOG. THIS INFORMATION IS PRESENTED ON THE AWS CLIMATIC BRIEF FOR EACH STATION. THE STATION DATA MAY DIFFER FROM INFORMATION CONTAINED IN THE SOCS STATION HISTORY (DATA SUPPLIED BY AWS UNITS). THE STATION DATA MAY ALSO VARY FROM DATA PRESENTED IN DOD FLIGHT INFORMATION PUBLICATIONS (FLIP).



| STATION NO.<br>ON SUMMARY                    | STATION NAME  | LATITUDE | LONGITUDE | FLD ELEV (FT) | CALL SIGN | WMO NMBR |
|--|---------------|----------|-----------|---------------|-----------|----------|
| 701210                                       | POINT LAY, AK | N 69 44  | W 163 01  | 20            | PPIZ      |          |
| STATION LOCATION AND INSTRUMENTATION HISTORY |               |          |           |               |           |          |
| NOT AVAILABLE FOR THIS SITE                  |               |          |           |               |           |          |



|                     |            |                     |                     |            |
|---------------------|------------|---------------------|---------------------|------------|
| P P P P P P P P     | AAAAAA     | R R R R R R R R     | T T T T T T T T T T | AAAAAA     |
| P P P P P P P P P P | AAAAAAAA   | R R R R R R R R R R | T T T T T T T T T T | AAAAAAAA   |
| P P P P P P P P P P | AA AA      | R R R R R R         | T T                 | AA AA      |
| P P P P P P P P P P | AA AA      | R R R R R R         | T T                 | AA AA      |
| P P P P P P P P P P | AA AA      | R R R R R R R R R R | T T                 | AA AA      |
| P P P P P P P P P P | AAAAAAAAAA | R R R R R R R R     | T T                 | AAAAAAAAAA |
| P P P P P P P P P P | AAAAAAAAAA | R R R R R R         | T T                 | AAAAAAAAAA |
| P P P P P P P P P P | AA AA      | R R R R R R         | T T                 | AA AA      |
| P P P P P P P P P P | AA AA      | R R R R R R         | T T                 | AA AA      |
| P P P P P P P P P P | AA AA      | R R R R R R         | T T                 | 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.

THESE TABLES 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.

NOTE 4: DURING PART TIME PERIODS, THESE TABLES MAY NOT ACCURATELY REFLECT NIGHTTIME AND/OR WEEKEND OCCURRENCES OF CERTAIN PHENOMENA.

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 MONTH: JAN

| HOURS (LST) | TSTMS | LIQUID PRECIP | FREEZ PRECIP | FROZEN PRECIP | HAIL | ALL PRECIP | FOG  | SMOKE &/OR HAZE | BLOWING SNOW | DUST &/OR SAND | ALL ORST TO VSN | TOTAL NO. OF OBS |
|-------------|-------|---------------|--------------|---------------|------|------------|------|-----------------|--------------|----------------|-----------------|------------------|
| 00-02       |       |               |              |               |      |            |      |                 |              |                |                 | 0                |
| 03-05       |       | .2            |              | 6.0           |      | 6.2        | 8.4  |                 | 23.1         |                | 37.7            | 403              |
| 06-08       |       |               |              |               |      |            |      |                 |              |                |                 | 0                |
| 09-11       |       | .3            |              | 5.9           |      | 6.2        | 6.9  |                 | 20.0         |                | 33.1            | 390              |
| 12-14       |       |               |              |               |      |            |      |                 |              |                |                 | 0                |
| 15-17       |       |               |              | 4.8           |      | 4.8        | 11.6 |                 | 25.1         | .5             | 42.1            | 378              |
| 18-20       |       |               |              |               |      |            |      |                 |              |                |                 | 0                |
| 21-23       |       |               |              | 6.7           |      | 6.7        | 5.7  |                 | 22.9         |                | 35.4            | 401              |
| ALL HOURS   |       | .1            |              | 5.9           |      | 6.0        | 8.1  |                 | 22.8         | .1             | 37.0            | 1572             |

MONTH: FEB

|           |  |    |  |     |  |     |     |  |      |    |      |      |
|-----------|--|----|--|-----|--|-----|-----|--|------|----|------|------|
| 00-02     |  |    |  |     |  |     |     |  |      |    |      | 0    |
| 03-05     |  |    |  | 7.1 |  | 7.1 | 6.5 |  | 12.7 |    | 26.3 | 339  |
| 06-08     |  |    |  |     |  |     |     |  |      |    |      | 0    |
| 09-11     |  |    |  | 7.5 |  | 7.5 | 5.0 |  | 15.6 | .3 | 28.4 | 320  |
| 12-14     |  |    |  |     |  |     |     |  |      |    |      | 0    |
| 15-17     |  | .3 |  | 5.2 |  | 5.5 | 5.8 |  | 22.0 | .3 | 33.5 | 328  |
| 18-20     |  |    |  |     |  |     |     |  |      |    |      | 0    |
| 21-23     |  |    |  | 4.9 |  | 4.9 | 2.9 |  | 21.6 | .3 | 29.7 | 347  |
| ALL HOURS |  | .1 |  | 6.1 |  | 6.2 | 5.0 |  | 18.0 | .2 | 29.5 | 1334 |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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          |       |                  |                 |                  |      |               |      |                       |                 |                      |                       | 0                      |
| 03-05          |       |                  |                 | 3.3              |      | 3.3           | 6.0  |                       | 18.4            | .2                   | 27.9                  | 419                    |
| 06-08          |       |                  |                 |                  |      |               |      |                       |                 |                      |                       | 0                      |
| 09-11          | .3    |                  |                 | 2.6              |      | 2.6           | 15.6 |                       | 22.7            |                      | 40.8                  | 392                    |
| 12-14          |       |                  |                 |                  |      |               |      |                       |                 |                      |                       | 0                      |
| 15-17          |       |                  |                 | 1.3              | .3   | 1.5           | 10.3 | .3                    | 24.6            | .3                   | 36.8                  | 399                    |
| 18-20          |       |                  |                 |                  |      |               |      |                       |                 |                      |                       | 0                      |
| 21-23          |       |                  |                 | 1.6              |      | 1.6           | 7.9  |                       | 22.4            | .5                   | 32.5                  | 428                    |
| ALL<br>HOURS   | .1    |                  |                 | 2.2              | .1   | 2.3           | 9.8  | .1                    | 22.0            | .2                   | 34.4                  | 1638                   |

MONTH: APR

|              |    |    |  |     |    |     |      |  |      |    |      |      |
|--------------|----|----|--|-----|----|-----|------|--|------|----|------|------|
| 00-02        |    |    |  |     |    |     |      |  |      |    |      | 0    |
| 03-05        | .2 |    |  | 4.7 | .2 | 4.9 | 5.1  |  | 16.5 |    | 26.5 | 430  |
| 06-08        |    |    |  |     |    |     |      |  |      |    |      | 0    |
| 09-11        |    |    |  | 6.8 |    | 6.8 | 11.9 |  | 20.8 |    | 39.5 | 385  |
| 12-14        |    |    |  |     |    |     |      |  |      |    |      | 0    |
| 15-17        |    | .2 |  | 3.7 |    | 4.0 | 5.2  |  | 26.9 | .5 | 36.5 | 405  |
| 18-20        |    |    |  |     |    |     |      |  |      |    |      | 0    |
| 21-23        |    |    |  | 5.3 |    | 5.3 | 3.8  |  | 19.9 |    | 29.0 | 417  |
| ALL<br>HOURS | .1 | .1 |  | 5.1 | .1 | 5.2 | 6.4  |  | 21.0 | .1 | 32.7 | 1637 |

A - 2 - 2

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
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          |       |                  |                 |                  |      |               |      |                       |                 |                      |                       | 0                      |
| 03-05          | .2    | .7               |                 | 4.4              |      | 5.1           | 10.4 |                       | 7.4             |                      | 22.8                  | 434                    |
| 06-08          |       |                  |                 |                  |      |               |      |                       |                 |                      |                       | 0                      |
| 09-11          |       | .5               | .2              | 4.4              |      | 5.1           | 12.0 |                       | 7.8             |                      | 24.9                  | 409                    |
| 12-14          |       |                  |                 |                  |      |               |      |                       |                 |                      |                       | 0                      |
| 15-17          |       | .7               |                 | 4.8              |      | 5.5           | 4.8  |                       | 9.7             |                      | 20.0                  | 421                    |
| 18-20          |       |                  |                 |                  |      |               |      |                       |                 |                      |                       | 0                      |
| 21-23          |       |                  |                 | 4.4              |      | 4.4           | 4.2  |                       | 8.8             |                      | 17.4                  | 432                    |
| ALL<br>HOURS   | .1    | .5               | .1              | 4.5              |      | 5.0           | 7.8  |                       | 8.4             |                      | 21.2                  | 1696                   |

MONTH: JUN

|              |  |     |    |     |  |     |      |  |  |    |      |      |
|--------------|--|-----|----|-----|--|-----|------|--|--|----|------|------|
| 00-02        |  |     |    |     |  |     |      |  |  |    |      | 0    |
| 03-05        |  | 5.0 |    | 2.7 |  | 7.7 | 13.4 |  |  |    | 21.1 | 441  |
| 06-08        |  |     |    |     |  |     |      |  |  |    |      | 0    |
| 09-11        |  | 5.9 | .2 | 2.2 |  | 8.3 | 10.0 |  |  | .2 | 18.6 | 409  |
| 12-14        |  |     |    |     |  |     |      |  |  |    |      | 0    |
| 15-17        |  | 3.2 |    | 1.7 |  | 4.9 | 4.7  |  |  |    | 9.6  | 405  |
| 18-20        |  |     |    |     |  |     |      |  |  |    |      | 0    |
| 21-23        |  | 2.3 |    | 1.6 |  | 3.9 | 4.6  |  |  | .2 | 8.8  | 433  |
| ALL<br>HOURS |  | 4.1 | .1 | 2.1 |  | 6.2 | 8.2  |  |  | .1 | 14.6 | 1688 |

A - 2 - 3



OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 MONTH: JUL

| HOURS (LST) | TSTMS | LIQUID PRECIP | FREEZ PRECIP | FROZEN PRECIP | HAIL | ALL PRECIP | FOG  | SMOKE &/OR HAZE | BLOWING SNOW | DUST &/OR SAND | ALL OBST TO VSN | TOTAL NO. OF OBS |
|-------------|-------|---------------|--------------|---------------|------|------------|------|-----------------|--------------|----------------|-----------------|------------------|
| 00-02       |       |               |              |               |      |            |      |                 |              |                |                 | 0                |
| 03-05       |       | 8.2           |              | .5            |      | 8.6        | 10.7 |                 |              |                | 19.3            | 429              |
| 06-08       |       |               |              |               |      |            |      |                 |              |                |                 | 0                |
| 09-11       |       | 9.7           |              | .5            |      | 10.1       | 12.1 |                 |              |                | 22.3            | 404              |
| 12-14       |       |               |              |               |      |            |      |                 |              |                |                 | 0                |
| 15-17       |       | 9.0           |              |               |      | 9.0        | 5.0  |                 |              |                | 14.1            | 398              |
| 18-20       |       |               |              |               |      |            |      |                 |              |                |                 | 0                |
| 21-23       | .2    | 5.4           |              | .5            |      | 5.8        | 5.6  | .2              |              |                | 11.7            | 429              |
| ALL HOURS   | .1    | 8.0           |              | .4            |      | 8.4        | 8.4  | .1              |              |                | 16.8            | 1660             |

MONTH: AUG

|           |  |      |  |     |  |      |      |    |  |    |      |      |
|-----------|--|------|--|-----|--|------|------|----|--|----|------|------|
| 00-02     |  |      |  |     |  |      |      |    |  |    |      | 0    |
| 03-05     |  | 11.0 |  | .9  |  | 11.9 | 9.7  | .2 |  |    | 21.8 | 445  |
| 06-08     |  |      |  |     |  |      |      |    |  |    |      | 0    |
| 09-11     |  | 14.5 |  | 2.5 |  | 17.0 | 10.4 | .3 |  | .3 | 28.0 | 393  |
| 12-14     |  |      |  |     |  |      |      |    |  |    |      | 0    |
| 15-17     |  | 8.4  |  | .2  |  | 8.7  | 4.6  | .2 |  |    | 13.5 | 416  |
| 18-20     |  |      |  |     |  |      |      |    |  |    |      | 0    |
| 21-23     |  | 11.4 |  | 1.2 |  | 12.5 | 5.1  | .2 |  |    | 17.9 | 431  |
| ALL HOURS |  | 11.3 |  | 1.2 |  | 12.5 | 7.4  | .2 |  | .1 | 20.2 | 1685 |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 MONTH: SEP

| HOURS (LST) | TSTMS | LIQUID PRECIP | FREEZ PRECIP | FROZEN PRECIP | HAIL | ALL PRECIP | FOG | SMOKE &/OR HAZE | BLOWING SNOW | DUST &/OR SAND | ALL OBST TO VSN | TOTAL NO. OF OBS |
|-------------|-------|---------------|--------------|---------------|------|------------|-----|-----------------|--------------|----------------|-----------------|------------------|
| 00-02       |       |               |              |               |      |            |     |                 |              |                |                 | 0                |
| 03-05       |       | 9.1           |              | 7.4           |      | 16.5       | 7.2 |                 |              |                | 23.7            | 417              |
| 06-08       |       |               |              |               |      |            |     |                 |              |                |                 | 0                |
| 09-11       |       | 7.5           | .2           | 9.9           |      | 17.5       | 9.9 |                 | .2           | .2             | 27.9            | 416              |
| 12-14       |       |               |              |               |      |            |     |                 |              |                |                 | 0                |
| 15-17       |       | 6.3           |              | 7.3           |      | 13.7       | 2.9 |                 | .2           |                | 16.8            | 410              |
| 18-20       |       |               |              |               |      |            |     |                 |              |                |                 | 0                |
| 21-23       |       | 8.0           |              | 5.2           |      | 13.1       | 5.4 |                 | .2           |                | 18.7            | 427              |
| ALL HOURS   |       | 7.7           | .1           | 7.4           |      | 15.2       | 6.3 |                 | .2           | .1             | 21.8            | 1670             |

MONTH: OCT

|           |  |    |    |      |  |      |     |  |     |    |      |      |
|-----------|--|----|----|------|--|------|-----|--|-----|----|------|------|
| 00-02     |  |    |    |      |  |      |     |  |     |    |      | 0    |
| 03-05     |  | .2 |    | 12.6 |  | 12.9 | 3.2 |  | 5.2 | .5 | 21.8 | 404  |
| 06-08     |  |    |    |      |  |      |     |  |     |    |      | 0    |
| 09-11     |  | .5 |    | 8.9  |  | 9.4  | 4.1 |  | 6.1 | .3 | 19.9 | 392  |
| 12-14     |  |    |    |      |  |      |     |  |     |    |      | 0    |
| 15-17     |  | .8 |    | 10.2 |  | 10.9 | 2.8 |  | 9.2 |    | 22.9 | 393  |
| 18-20     |  |    |    |      |  |      |     |  |     |    |      | 0    |
| 21-23     |  | .2 |    | 12.3 |  | 12.3 | 1.7 |  | 7.1 |    | 21.1 | 407  |
| ALL HOURS |  | .1 | .4 | 11.0 |  | 11.4 | 2.9 |  | 6.9 | .2 | 21.4 | 1596 |

A - 2 - 5

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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          |       |                  |                 |                  |      |               |     |                       |                 |                      |                       | 0                      |
| 03-05          |       | .2               |                 | 8.4              |      | 8.7           | 2.0 |                       | 13.6            |                      | 24.3                  | 404                    |
| 06-08          |       |                  |                 |                  |      |               |     |                       |                 |                      |                       | 0                      |
| 09-11          |       |                  |                 | 5.3              |      | 5.3           | 3.2 |                       | 16.0            |                      | 24.6                  | 374                    |
| 12-14          |       |                  |                 |                  |      |               |     |                       |                 |                      |                       | 0                      |
| 15-17          |       | .5               |                 | 6.0              |      | 6.6           | 8.1 |                       | 15.7            |                      | 30.4                  | 381                    |
| 18-20          |       |                  |                 |                  |      |               |     |                       |                 |                      |                       | 0                      |
| 21-23          |       |                  |                 | 7.0              |      | 7.0           | 2.5 |                       | 14.3            | .3                   | 24.1                  | 399                    |
| ALL<br>HOURS   |       | .2               |                 | 6.7              |      | 6.9           | 3.9 |                       | 14.9            | .1                   | 25.8                  | 1558                   |

MONTH: DEC

|              |  |  |  |     |  |     |     |  |      |    |      |      |
|--------------|--|--|--|-----|--|-----|-----|--|------|----|------|------|
| 00-02        |  |  |  |     |  |     |     |  |      |    |      | 0    |
| 03-05        |  |  |  | 4.8 |  | 4.8 | 4.5 |  | 20.4 |    | 29.6 | 398  |
| 06-08        |  |  |  |     |  |     |     |  |      |    |      | 0    |
| 09-11        |  |  |  | 5.1 |  | 5.1 | 4.6 |  | 20.7 | .3 | 30.6 | 372  |
| 12-14        |  |  |  |     |  |     |     |  |      |    |      | 0    |
| 15-17        |  |  |  | 4.0 |  | 4.0 | 9.5 |  | 21.2 |    | 34.7 | 377  |
| 18-20        |  |  |  |     |  |     |     |  |      |    |      | 0    |
| 21-23        |  |  |  | 6.9 |  | 6.9 | 5.3 |  | 20.9 |    | 33.1 | 393  |
| ALL<br>HOURS |  |  |  | 5.2 |  | 5.2 | 6.0 |  | 20.8 | .1 | 32.0 | 1540 |

A - 2 - 6

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
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               |                 | 5.9              |      | 6.0           | 8.1 |                       | 22.8            | .1                   | 37.0                  | 1572                   |
| FEB    |       | .1               |                 | 6.1              |      | 6.2           | 5.0 |                       | 18.0            | .2                   | 29.5                  | 1334                   |
| MAR    | .1    |                  |                 | 2.2              | .1   | 2.3           | 9.8 | .1                    | 22.0            | .2                   | 34.4                  | 1638                   |
| APR    | .1    | .1               |                 | 5.1              | .1   | 5.2           | 6.4 |                       | 21.0            | .1                   | 32.7                  | 1637                   |
| MAY    | .1    | .5               | .1              | 4.5              |      | 5.0           | 7.8 |                       | 8.4             |                      | 21.2                  | 1696                   |
| JUN    |       | 4.1              | .1              | 2.1              |      | 6.2           | 8.2 |                       |                 | .1                   | 14.6                  | 1688                   |
| JUL    | .1    | 8.0              |                 | .4               |      | 8.4           | 8.4 | .1                    |                 |                      | 16.8                  | 1660                   |
| AUG    |       | 11.3             |                 | 1.2              |      | 12.5          | 7.4 | .2                    |                 | .1                   | 20.2                  | 1685                   |
| SEP    |       | 7.7              | .1              | 7.4              |      | 15.2          | 6.3 |                       | .2              | .1                   | 21.8                  | 1670                   |
| OCT    | .1    | .4               |                 | 11.0             |      | 11.4          | 2.9 |                       | 6.9             | .2                   | 21.4                  | 1596                   |
| NOV    |       | .2               |                 | 6.7              |      | 6.9           | 3.9 |                       | 14.9            | .1                   | 25.8                  | 1558                   |
| DEC    |       |                  |                 | 5.2              |      | 5.2           | 6.0 |                       | 20.8            | .1                   | 32.0                  | 1540                   |
| ANNUAL | .0    | 2.8              | .0              | 4.7              | .0   | 7.6           | 6.8 | .0                    | 10.9            | .1                   | 25.4                  | 19274                  |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF THUNDERSTORMS  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88

| HOURS<br>(LST) | JAN  | FEB  | MAR  | APR  | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  | NOV  | DEC  |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 00-02          |      |      |      |      |      |      |      |      |      |      |      |      |
| 03-05          |      |      |      | .2   | .2   |      |      |      |      |      |      |      |
| 06-08          |      |      |      |      |      |      |      |      |      |      |      |      |
| 09-11          |      |      | .3   |      |      |      |      |      |      |      |      |      |
| 12-14          |      |      |      |      |      |      |      |      |      |      |      |      |
| 15-17          |      |      |      |      |      |      |      |      |      |      |      |      |
| 18-20          |      |      |      |      |      |      |      |      |      |      |      |      |
| 21-23          |      |      |      |      |      |      | .2   |      |      | .2   |      |      |
| ALL<br>HOURS   |      |      | .1   | .1   | .1   |      | .1   |      |      | .1   |      |      |
| TOTAL<br>OBS   | 1572 | 1334 | 1638 | 1637 | 1696 | 1688 | 1660 | 1685 | 1670 | 1596 | 1558 | 1540 |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 MONTH: JAN HOURS: ALL

| PHENOMENA                    | CALM | VARIABLE | 330 - 059 | 060 - 149 | 150 - 239 | 240 - 329 | NO OF OBS |
|------------------------------|------|----------|-----------|-----------|-----------|-----------|-----------|
| .....                        |      |          |           |           |           |           |           |
| TSTMS                        |      |          |           |           |           |           |           |
| LIQUID<br>PRECIP             |      |          |           | 100.0     |           |           | 2         |
| FREEZING<br>PRECIP           |      |          |           |           |           |           |           |
| FROZEN<br>PRECIP             | 8.8  |          | 23.1      | 23.1      | 22.0      | 23.1      | 91        |
| FOG                          | 10.1 |          | 59.7      | 20.2      | 7.8       | 2.3       | 129       |
| FOG WITH VIS<br>GE 1/2 MILES | 11.1 |          | 61.6      | 14.1      | 10.1      | 3.0       | 99        |
| .....                        |      |          |           |           |           |           |           |
| TOTAL OBS                    | 149  | 0        | 568       | 339       | 215       | 113       | 0         |
| .....                        |      |          |           |           |           |           |           |

MONTH: FEB HOURS: ALL

|                              |      |   |      |       |      |      |    |
|------------------------------|------|---|------|-------|------|------|----|
| .....                        |      |   |      |       |      |      |    |
| TSTMS                        |      |   |      |       |      |      |    |
| LIQUID<br>PRECIP             |      |   |      | 100.0 |      |      | 1  |
| FREEZING<br>PRECIP           |      |   |      |       |      |      |    |
| FROZEN<br>PRECIP             | 19.8 |   | 38.3 | 9.9   | 12.3 | 19.8 | 81 |
| FOG                          | 10.3 |   | 45.6 | 19.1  | 13.2 | 11.8 | 68 |
| FOG WITH VIS<br>GE 1/2 MILES | 9.3  |   | 44.4 | 16.7  | 14.8 | 14.8 | 54 |
| .....                        |      |   |      |       |      |      |    |
| TOTAL OBS                    | 108  | 0 | 444  | 238   | 194  | 130  | 0  |
| .....                        |      |   |      |       |      |      |    |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
MONTH: MAR HOURS: ALL

| PHENOMENA                    | CALM | VARIABLE | 330 - 059 | 060 - 149 | 150 - 239 | 240 - 329 | NO OF OBS |      |
|------------------------------|------|----------|-----------|-----------|-----------|-----------|-----------|------|
| TSTMS                        |      |          | 100.0     |           |           |           | 1         |      |
| LIQUID<br>PRECIP             |      |          |           |           |           |           |           |      |
| FREEZING<br>PRECIP           |      |          |           |           |           |           |           |      |
| FROZEN<br>PRECIP             | 5.6  |          | 41.7      | 22.2      | 19.4      | 11.1      | 36        |      |
| FOG                          | 5.0  |          | 59.4      | 24.4      | 6.3       | 5.0       | 160       |      |
| FOG WITH VIS<br>GE 1/2 MILES | 2.9  |          | 61.9      | 22.3      | 7.2       | 5.8       | 139       |      |
| TOTAL OBS                    | 95   | 0        | 703       | 338       | 154       | 52        | 0         | 1342 |

MONTH: APR HOURS: ALL

|                              |      |   |       |      |      |      |     |      |
|------------------------------|------|---|-------|------|------|------|-----|------|
| TSTMS                        |      |   | 100.0 |      |      |      | 1   |      |
| LIQUID<br>PRECIP             |      |   | 100.0 |      |      |      | 1   |      |
| FREEZING<br>PRECIP           |      |   |       |      |      |      |     |      |
| FROZEN<br>PRECIP             | 4.8  |   | 37.3  | 28.9 | 16.9 | 12.0 | 83  |      |
| FOG                          | 15.2 |   | 41.9  | 25.7 | 7.6  | 9.5  | 105 |      |
| FOG WITH VIS<br>GE 1/2 MILES | 12.9 |   | 44.1  | 25.8 | 7.5  | 9.7  | 93  |      |
| TOTAL OBS                    | 97   | 0 | 663   | 391  | 156  | 59   | 0   | 1366 |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 MONTH: MAY HOURS: ALL

| PHENOMENA                    | CALM  | VARIABLE | 330 - 059 | 060 - 149 | 150 - 239 | 240 - 329 | NO OF OBS |      |
|------------------------------|-------|----------|-----------|-----------|-----------|-----------|-----------|------|
| TSTMS                        | 100.0 |          |           |           |           |           | 1         |      |
| LIQUID<br>PRECIP             | 14.3  |          |           | 57.1      | 28.6      |           | 7         |      |
| FREEZING<br>PRECIP           |       |          |           |           |           | 100.0     | 1         |      |
| FROZEN<br>PRECIP             | 14.5  |          | 36.8      | 15.8      | 14.5      | 18.4      | 76        |      |
| FOG                          | 13.5  |          | 49.6      | 12.8      | 14.3      | 9.8       | 133       |      |
| FOG WITH VIS<br>GE 1/2 MILES | 12.5  |          | 52.3      | 12.5      | 13.6      | 9.1       | 88        |      |
| TOTAL OBS                    | 102   | 0        | 721       | 337       | 136       | 90        | 0         | 1386 |

MONTH: JUN HOURS: ALL

|                              |      |   |      |      |      |      |     |      |
|------------------------------|------|---|------|------|------|------|-----|------|
| TSTMS                        |      |   |      |      |      |      |     |      |
| LIQUID<br>PRECIP             | 5.8  |   | 26.1 | 18.8 | 24.6 | 24.6 | 69  |      |
| FREEZING<br>PRECIP           |      |   | 33.3 |      |      | 66.7 | 3   |      |
| FROZEN<br>PRECIP             | 2.6  |   | 34.2 | 2.6  | 21.1 | 39.5 | 38  |      |
| FOG                          | 9.6  |   | 33.6 | 12.3 | 15.8 | 28.8 | 146 |      |
| FOG WITH VIS<br>GE 1/2 MILES | 10.7 |   | 32.1 | 8.3  | 20.2 | 28.6 | 84  |      |
| TOTAL OBS                    | 116  | 0 | 540  | 172  | 251  | 231  | 0   | 1310 |



OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 MONTH: JUL HOURS: ALL

| PHENOMENA                    | CALM | VARIABLE | 330 - 059 | 060 - 149 | 150 - 239 | 240 - 329 | NO OF OBS |      |
|------------------------------|------|----------|-----------|-----------|-----------|-----------|-----------|------|
| TSTMS                        |      |          | 100.0     |           |           |           | 1         |      |
| LIQUID<br>PRECIP             | 9.5  |          | 19.0      | 24.8      | 29.9      | 16.8      | 137       |      |
| FREEZING<br>PRECIP           |      |          |           |           |           |           |           |      |
| FROZEN<br>PRECIP             |      |          | 20.0      |           |           | 80.0      | 5         |      |
| FOG                          | 12.2 |          | 22.3      | 11.5      | 20.9      | 33.1      | 139       |      |
| FOG WITH VIS<br>GE 1/2 MILES | 8.5  |          | 23.4      | 10.6      | 24.5      | 33.0      | 94        |      |
| TOTAL OBS                    | 126  | 0        | 402       | 246       | 296       | 227       | 0         | 1297 |

MONTH: AUG HOURS: ALL

|                              |      |   |      |      |      |      |     |      |
|------------------------------|------|---|------|------|------|------|-----|------|
| TSTMS                        |      |   |      |      |      |      |     |      |
| LIQUID<br>PRECIP             | 5.7  |   | 15.6 | 18.8 | 35.4 | 24.5 | 192 |      |
| FREEZING<br>PRECIP           |      |   |      |      |      |      |     |      |
| FROZEN<br>PRECIP             | 5.9  |   | 23.5 | 17.6 |      | 52.9 | 17  |      |
| FOG                          | 15.7 |   | 30.7 | 16.5 | 15.7 | 21.3 | 127 |      |
| FOG WITH VIS<br>GE 1/2 MILES | 12.9 |   | 32.3 | 18.3 | 17.2 | 15.4 | 93  |      |
| TOTAL OBS                    | 137  | 0 | 382  | 237  | 316  | 248  | 0   | 1320 |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 MONTH: SEP HOURS: ALL

| PHENOMENA                    | CALM | VARIABLE | 330 - 059 | 060 - 149 | 150 - 239 | 240 - 329 | NO OF OBS |
|------------------------------|------|----------|-----------|-----------|-----------|-----------|-----------|
| .....                        |      |          |           |           |           |           |           |
| TSIMS                        |      |          |           |           |           |           |           |
| LIQUID<br>PRECIP             | 12.4 |          | 19.4      | 25.6      | 22.5      | 20.2      | 129       |
| FREFZING<br>PRECIP           |      |          |           | 100.0     |           |           | 1         |
| FROZEN<br>PRECIP             | 6.6  |          | 46.3      | 17.4      | 9.9       | 19.8      | 121       |
| FOG                          | 20.0 |          | 35.5      | 11.8      | 19.1      | 13.6      | 110       |
| FOG WITH VIS<br>GE 1/2 MILES | 15.6 |          | 42.9      | 11.7      | 18.2      | 11.7      | 77        |
| .....                        |      |          |           |           |           |           |           |
| TOTAL OBS                    | 153  | 0        | 506       | 324       | 222       | 159       | 0         |
| .....                        |      |          |           |           |           |           |           |

MONTH: OCT HOURS: ALL

|                              |      |   |      |      |      |       |     |
|------------------------------|------|---|------|------|------|-------|-----|
| TSIMS                        |      |   |      |      |      | 100.0 | 1   |
| LIQUID<br>PRECIP             |      |   |      | 16.7 | 83.3 |       | 6   |
| FREEZING<br>PRECIP           |      |   |      |      |      |       |     |
| FROZEN<br>PRECIP             | 17.1 |   | 41.2 | 21.2 | 8.2  | 12.4  | 170 |
| FOG                          | 14.7 |   | 38.2 | 35.3 |      | 11.8  | 34  |
| FOG WITH VIS<br>GE 1/2 MILES | 17.2 |   | 41.4 | 31.0 |      | 10.3  | 29  |
| .....                        |      |   |      |      |      |       |     |
| TOTAL OBS                    | 138  | 0 | 543  | 380  | 108  | 82    | 0   |
| .....                        |      |   |      |      |      |       |     |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 MONTH: NOV HOURS: ALL

| PHENOMENA                    | CALM | VARIABLE | 330 - 059 | 060 - 149 | 150 - 239 | 240 - 329 | NO OF OBS |
|------------------------------|------|----------|-----------|-----------|-----------|-----------|-----------|
| TSTMS                        |      |          |           |           |           |           |           |
| LIQUID<br>PRECIP             |      |          |           | 33.3      | 66.7      |           | 3         |
| FREEZING<br>PRECIP           |      |          |           |           |           |           |           |
| FROZEN<br>PRECIP             | 8.5  |          | 28.3      | 34.0      | 16.0      | 13.2      | 106       |
| FOG                          | 13.1 |          | 39.3      | 32.8      | 8.2       | 6.6       | 61        |
| FOG WITH VIS<br>GE 1/2 MILES | 10.4 |          | 35.4      | 35.4      | 10.4      | 8.3       | 48        |
| TOTAL OBS                    | 86   | 0        | 582       | 432       | 136       | 104       | 1340      |

MONTH: DEC HOURS: ALL

|                              |     |   |      |      |      |     |      |
|------------------------------|-----|---|------|------|------|-----|------|
| TSTMS                        |     |   |      |      |      |     |      |
| LIQUID<br>PRECIP             |     |   |      |      |      |     |      |
| FREEZING<br>PRECIP           |     |   |      |      |      |     |      |
| FROZEN<br>PRECIP             | 7.5 |   | 35.0 | 33.8 | 18.8 | 5.0 | 80   |
| FOG                          | 4.3 |   | 56.5 | 20.7 | 16.3 | 2.2 | 92   |
| FOG WITH VIS<br>GE 1/2 MILES | 5.2 |   | 55.8 | 19.5 | 16.9 | 2.6 | 77   |
| TOTAL OBS                    | 82  | 0 | 560  | 398  | 191  | 125 | 1356 |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 MONTHS: ALL

| PHENOMENA                    | CALM | VARIABLE | 330 - 059 | 060 - 149 | 150 - 239 | 240 - 329 | NO OF OBS |       |
|------------------------------|------|----------|-----------|-----------|-----------|-----------|-----------|-------|
| TSTMS                        | 20.0 |          | 60.0      |           |           | 20.0      | 5         |       |
| LIQUID<br>PRECIP             | 8.2  |          | 18.3      | 22.9      | 30.0      | 20.7      | 547       |       |
| FREEZING<br>PRECIP           |      |          | 20.0      | 20.0      |           | 60.0      | 5         |       |
| FROZEN<br>PRECIP             | 10.5 |          | 36.3      | 21.8      | 14.2      | 17.3      | 904       |       |
| FOG                          | 11.7 |          | 42.9      | 18.5      | 13.0      | 14.0      | 1304      |       |
| FOG WITH VIS<br>GE 1/2 MILES | 10.1 |          | 45.3      | 17.7      | 13.8      | 13.0      | 975       |       |
| TOTAL OBS                    | 1389 | 0        | 6614      | 3832      | 2375      | 1620      | 0         | 15830 |

|          |           |          |            |            |
|----------|-----------|----------|------------|------------|
| PPPPPPP  | AAAAAA    | RRRRRRR  | TTTTTTTTT  | BBBBBBBBB  |
| 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     | RRRRRRR  | TT         | BBBBBBBBB  |
| PPPPPPP  | AAAAAAAAA | RRRRRRR  | TT         | BBBBBBBBB  |
| PP       | AAAAAAAAA | RR RR    | TT         | BB BB      |
| PP       | AA AA     | RR RR    | TT         | BB BB      |
| PP       | AA AA     | RR RR    | TT         | BBBBBBBBB  |
| PP       | AA AA     | RR RR    | TT         | BBBBBBBBB  |

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 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 |

NOTE 7. 24-HOUR PRECIPITATION (INCLUDING SNOWFALL AND SNOW DEPTH) VALUES DERIVED FROM PART TIME PERIODS MAY NOT REFLECT TRUE 24-HOUR AMOUNTS. RECORDED AMOUNTS FOLLOWING WEEKENDS AND/OR HOLIDAYS FREQUENTLY REPRESENT AMOUNTS MEASURED FOR PERIODS GREATER THAN 24 HOURS. IN ADDITION, 24-HOUR AMOUNTS MAY NOT REPRESENT THE STANDARD CLIMATOLOGICAL 24-HOUR "MIDNIGHT TO MIDNIGHT" AMOUNT. DATA FROM PART TIME PERIODS MAY NOT ACCURATELY REFLECT NIGHTTIME PRECIPITATION EVENTS.

CONVERSIONS:

- 1 INCH = 25.39998 MILLIMETERS
- 1 MILLIMETER = .03937 INCHES





|          |           |           |            |          |
|----------|-----------|-----------|------------|----------|
| PPPPPPP  | AAAAAA    | RRRRRRRR  | TTTTTTTTT  | CCCCC    |
| PPPPPPPP | AAAAAAA   | RRRRRRRRR | TTTTTTTTTT | CCCCCCCC |
| PP PP    | AA AA     | RR RR     | TT         | CC CC    |
| PP PP    | AA AA     | RR RR     | TT         | CC       |
| PPPPPPPP | AA AA     | RRRRRRRRR | TT         | CC       |
| PPPPPPP  | AAAAAAAAA | RRRRRRRR  | 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 "1-4 KNOT" 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 1500 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

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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                  | .5                   | 1.5  | .2    |       | .2    |       |       |       |       | .2    |       | 2.7        | 11.3             | 6.0            |
| 020-040                      | 1.2                  | 5.0  | 5.7   | 4.2   | 3.5   | 2.5   | 1.0   |       |       |       |       | 23.1       | 14.9             | 14.0           |
| 050-070                      | 2.5                  | 3.7  | 5.2   | 2.5   | 5.0   | 5.0   | 4.2   | 1.0   | .2    |       |       | 29.3       | 18.8             | 20.0           |
| (E) 080-100                  | 1.0                  | 3.0  | 1.5   | .7    |       |       |       |       |       |       |       | 6.2        | 8.3              | 8.0            |
| 110-130                      | 1.5                  | 1.5  | .2    | .2    |       |       |       |       |       |       |       | 3.5        | 5.4              | 5.0            |
| 140-160                      | 1.5                  | 1.5  | .2    |       |       |       |       | .2    |       |       |       | 3.5        | 7.0              | 5.0            |
| (S) 170-190                  | .7                   | 2.0  | 1.0   | .5    | .7    | .2    | .2    |       |       |       |       | 5.5        | 11.6             | 9.0            |
| 200-220                      | .5                   | 1.5  | 2.0   | .5    | .5    | .5    |       |       |       |       |       | 5.5        | 12.0             | 10.0           |
| 230-250                      | .2                   | 1.0  | .7    | .7    | .5    | .2    |       |       |       |       |       | 3.5        | 12.5             | 12.0           |
| (W) 260-280                  |                      | .5   | .5    | .7    | .2    | .2    |       |       |       |       |       | 2.2        | 15.1             | 15.0           |
| 290-310                      | .7                   | 1.7  | .5    |       | .2    |       |       |       |       |       |       | 3.2        | 7.6              | 6.0            |
| 320-340                      |                      | 1.0  | .5    |       |       |       |       |       |       |       |       | 1.5        | 8.3              | 7.0            |
| VARIABLE                     |                      |      |       |       |       |       |       |       |       |       |       |            |                  |                |
| CALM                         | //////////////////// |      |       |       |       |       |       |       |       |       |       | 10.4       | //////////////// |                |
| TOTALS                       | 10.3                 | 23.9 | 18.2  | 10.0  | 10.8  | 8.6   | 5.4   | 1.2   | .4    |       |       | 100.0      | 12.6             | 12.0           |
| TOTAL NUMBER OF OBSERVATIONS |                      |      |       |       |       |       |       |       |       |       |       | 403        |                  |                |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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                      | 1.3                                  | 1.3  | 1.0   |       |       |       |       |       |       |       |            | 3.6          | 6.7                              | 5.5   |
| 020-040                          | 1.3                                  | 3.6  | 5.9   | 5.1   | 3.6   | 1.8   | .5    | .3    |       |       |            | 22.1         | 14.8                             | 15.0  |
| 050-070                          | 2.1                                  | 4.9  | 4.4   | 3.6   | 5.4   | 3.8   | 4.1   | 1.3   | .3    |       |            | 29.7         | 18.3                             | 19.0  |
| (E) 080-100                      | 1.3                                  | 2.3  | .3    | .3    | .5    |       |       |       |       |       |            | 4.6          | 8.5                              | 6.5   |
| 110-130                          | .8                                   | 1.8  | .8    | .3    |       |       |       |       |       |       |            | 3.6          | 8.1                              | 6.5   |
| 140-160                          | 1.0                                  | 1.5  | .5    | .8    | .5    |       | .3    |       |       |       |            | 4.6          | 10.9                             | 8.0   |
| (S) 170-190                      | 1.8                                  | .5   | .5    | .3    | .5    | .3    | .3    | .3    |       |       |            | 4.4          | 12.4                             | 9.0   |
| 200-220                          | .3                                   | 2.6  | 2.3   | .8    | .5    | .3    | .3    | .3    |       |       |            | 7.2          | 12.7                             | 11.0  |
| 230-250                          | 1.0                                  | 1.3  | 1.0   | .5    | .3    | .3    | .3    |       |       |       |            | 4.6          | 11.1                             | 9.5   |
| (W) 260-280                      | 1.3                                  | .5   | 1.0   |       | .3    |       |       |       |       |       |            | 3.1          | 8.1                              | 7.0   |
| 290-310                          | .3                                   | 1.0  |       | .3    |       |       |       |       |       |       |            | 1.5          | 9.0                              | 8.5   |
| 320-340                          | .5                                   | .5   | .5    |       |       |       |       |       |       |       |            | 1.5          | 6.8                              | 6.5   |
| VARIABLE                         |                                      |      |       |       |       |       |       |       |       |       |            |              |                                  |       |
| CALM                             | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |            | 9.5          | //////////////////////////////// |       |
| TOTALS                           | 13.0                                 | 21.8 | 18.2  | 12.0  | 11.6  | 6.5   | 5.8   | 2.2   | .3    |       |            | 100.0        | 12.6                             | 12.0  |
| TOTAL NUMBER OF OBSERVATIONS 390 |                                      |      |       |       |       |       |       |       |       |       |            |              |                                  |       |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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                      | .8                                   | 1.3  | 1.3   |       | .3    |       |       |       |       |       |            | 3.7          | 8.2                              | 8.0   |
| 020-040                          | .8                                   | 4.0  | 6.4   | 6.1   | 4.3   | 1.6   | .5    | .3    |       |       |            | 23.9         | 15.3                             | 15.5  |
| 050-070                          | .3                                   | 3.2  | 4.0   | 5.1   | 3.5   | 3.7   | 4.5   | .3    | .5    |       |            | 25.0         | 19.6                             | 19.5  |
| (E) 080-100                      | 1.9                                  | 1.9  | 1.6   | .5    | .3    | .3    |       |       |       |       |            | 6.4          | 8.9                              | 7.5   |
| 110-130                          | 1.3                                  | 1.1  | .3    |       |       |       |       |       |       |       |            | 2.7          | 5.1                              | 4.5   |
| 140-160                          | 1.1                                  | 1.6  | .5    | .3    |       |       |       |       |       |       |            | 3.5          | 6.8                              | 6.0   |
| (S) 170-190                      | .5                                   | .5   | .5    | .3    | .5    | .5    | .5    |       |       |       |            | 3.5          | 16.2                             | 19.0  |
| 200-220                          | .8                                   | 1.3  | 1.6   | 1.6   | 1.6   | .5    |       |       |       |       |            | 7.4          | 14.0                             | 14.5  |
| 230-250                          |                                      | 2.4  | 2.7   | .3    | .5    |       | .3    |       |       |       |            | 6.1          | 11.5                             | 10.0  |
| (W) 260-280                      | .3                                   | .8   | .3    |       | .3    |       |       |       |       |       |            | 1.6          | 8.7                              | 5.0   |
| 290-310                          | .3                                   | .8   | .5    | .8    |       |       |       |       |       |       |            | 2.4          | 10.4                             | 10.0  |
| 320-340                          | .5                                   | .8   | .3    | .3    |       |       |       |       |       |       |            | 1.9          | 7.3                              | 5.0   |
| VARIABLE                         |                                      |      |       |       |       |       |       |       |       |       |            |              |                                  |       |
| CALM                             | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |            | 12.0         | //////////////////////////////// |       |
| TOTALS                           | 8.6                                  | 19.7 | 20.0  | 15.3  | 11.3  | 6.6   | 5.8   | .6    | .5    |       |            | 100.0        | 12.7                             | 13.0  |
| TOTAL NUMBER OF OBSERVATIONS 376 |                                      |      |       |       |       |       |       |       |       |       |            |              |                                  |       |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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 | GE 65 |            |                                  |                |
| (N) 350-010            | .5                                   | 1.7  | .5    | .2    |       |       |       |       |       |       |       | 3.0        | 7.4                              | 6.0            |
| 020-040                | 1.2                                  | 5.2  | 5.5   | 5.0   | 2.7   | 2.7   | .5    |       |       |       |       | 22.9       | 14.5                             | 14.0           |
| 050-070                | 1.0                                  | 4.7  | 3.2   | 6.2   | 4.0   | 4.2   | 2.7   | .5    | .5    |       |       | 27.2       | 18.2                             | 18.0           |
| (E) 080-100            | 1.5                                  | 2.5  | 1.5   | .7    | .2    |       |       |       |       |       |       | 6.5        | 8.3                              | 6.5            |
| 110-130                | 1.2                                  | 1.2  | .2    | .2    |       |       |       |       |       |       |       | 3.0        | 5.9                              | 5.0            |
| 140-160                | .5                                   | 1.2  | .7    | .2    | .7    |       |       |       |       |       |       | 3.5        | 11.1                             | 9.5            |
| (S) 170-190            | 1.2                                  | 1.2  | .5    | .2    | .2    | .2    |       |       |       |       |       | 3.7        | 8.9                              | 6.0            |
| 200-220                | 1.2                                  | 1.2  | 1.0   | .5    | .7    | .5    |       |       |       |       |       | 5.2        | 11.5                             | 10.0           |
| 230-250                |                                      | 2.0  | 1.0   | .5    | .7    | .5    | .2    | .2    |       |       |       | 5.2        | 15.1                             | 12.0           |
| (W) 260-280            | 1.0                                  | .7   | 1.0   |       | .5    |       | .2    |       |       |       |       | 3.5        | 10.6                             | 9.0            |
| 290-310                | .5                                   | .2   | 1.0   |       | .2    |       |       |       |       |       |       | 2.0        | 10.3                             | 10.0           |
| 320-340                | 1.0                                  | 1.0  | .5    | .5    |       |       |       |       |       |       |       | 3.0        | 7.8                              | 6.0            |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 11.2       | //////////////////////////////// |                |
| TOTALS                 | 10.8                                 | 22.8 | 16.6  | 14.2  | 9.9   | 8.1   | 3.6   | .7    | .5    |       |       | 100.0      | 12.1                             | 11.0           |

TOTAL NUMBER OF OBSERVATIONS 401

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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            | .8                   | 1.5  | .8    | .1    | .1    |       |       |       |       | .1    |       | 3.2   | 8.3  | 6.0    |
| 020-040                | 1.1                  | 4.5  | 5.9   | 5.1   | 3.5   | 2.2   | .6    | .1    |       |       |       | 23.0  | 14.9 | 15.0   |
| 050-070                | 1.5                  | 4.1  | 4.2   | 4.3   | 4.5   | 4.2   | 3.9   | .8    | .4    |       |       | 27.8  | 18.7 | 19.0   |
| (E) 080-100            | 1.4                  | 2.4  | 1.2   | .6    | .3    | .1    |       |       |       |       |       | 5.9   | 8.5  | 7.0    |
| 110-130                | 1.2                  | 1.4  | .4    | .2    |       |       |       |       |       |       |       | 3.2   | 6.2  | 5.0    |
| 140-160                | 1.0                  | 1.5  | .5    | .3    | .3    |       | .1    | .1    |       |       |       | 3.8   | 9.1  | 7.0    |
| (S) 170-190            | 1.1                  | 1.1  | .6    | .3    | .5    | .3    | .3    | .1    |       |       |       | 4.3   | 12.1 | 9.0    |
| 200-220                | .7                   | 1.7  | 1.7   | .8    | .8    | .4    | .1    | .1    |       |       |       | 6.3   | 12.7 | 11.0   |
| 230-250                | .3                   | 1.7  | 1.3   | .5    | .5    | .3    | .2    | .1    |       |       |       | 4.8   | 12.6 | 10.0   |
| (W) 260-280            | .6                   | .6   | .7    | .2    | .3    | .1    | .1    |       |       |       |       | 2.6   | 10.6 | 10.0   |
| 290-310                | .4                   | 1.0  | .5    | .3    | .1    |       |       |       |       |       |       | 2.3   | 9.1  | 8.5    |
| 320-340                | .5                   | .8   | .4    | .2    |       |       |       |       |       |       |       | 2.0   | 7.6  | 6.0    |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |       |      |        |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 10.8  | //// | ////   |
| TOTALS                 | 10.6                 | 22.3 | 18.2  | 12.9  | 10.9  | 7.6   | 5.3   | 1.3   | .5    |       |       | 100.0 | 12.5 | 12.0   |

TOTAL NUMBER OF OBSERVATIONS 1570

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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<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                                   | 1.9  | 1.3   |       | .3    |       |       |       | .3    |       |       | 4.3        | 11.1                             | 8.0            |
| 020-040                | .8                                   | 4.0  | 4.0   | 6.7   | 5.4   | 2.7   |       |       |       |       |       | 23.6       | 15.7                             | 17.5           |
| 050-070                | .8                                   | 4.3  | 2.4   | 4.0   | 7.8   | 3.5   | 1.1   | .3    |       |       |       | 24.1       | 17.7                             | 20.0           |
| (E) 080-100            | 1.1                                  | 1.9  | 1.1   | 1.6   | .3    | .3    |       |       |       |       |       | 6.2        | 10.7                             | 10.0           |
| 110-130                | .8                                   | 1.3  |       | .3    |       |       |       |       |       |       |       | 2.4        | 5.8                              | 5.0            |
| 140-160                |                                      | 2.4  | .8    | .3    | .3    |       | .3    | .3    |       |       |       | 4.3        | 12.2                             | 8.0            |
| (S) 170-190            | .5                                   | .5   | .3    | .5    | 1.1   | 1.1   | .5    |       |       |       |       | 4.6        | 17.9                             | 20.0           |
| 200-220                | .5                                   | 1.6  | 1.1   | 1.1   | 1.3   | .8    | .3    | .3    |       |       |       | 7.0        | 15.6                             | 15.5           |
| 230-250                |                                      | .5   | 1.9   | .3    | .8    | .5    | .5    |       |       |       |       | 4.6        | 16.5                             | 14.0           |
| (W) 260-280            | .5                                   | 1.3  | 1.1   |       | .8    |       |       |       |       |       |       | 3.8        | 10.9                             | 9.0            |
| 290-310                | .3                                   | 1.3  | .3    | .3    | .3    |       |       |       |       |       |       | 2.4        | 9.7                              | 8.0            |
| 320-340                | .3                                   | 1.3  | 1.1   | .3    |       |       |       |       |       |       |       | 2.9        | 8.5                              | 8.0            |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 9.9        | //////////////////////////////// |                |
| TOTALS                 | 6.1                                  | 22.3 | 15.4  | 15.4  | 18.4  | 8.9   | 2.7   | .9    | .3    |       |       | 100.0      | 13.3                             | 15.0           |

TOTAL NUMBER OF OBSERVATIONS 373



OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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                  | .6                                   | 2.1  | 2.1   | .9    |       |       |       |       |       |       |       | 5.6        | 9.6                              | 10.0           |
| 020-040                      | 2.1                                  | 4.7  | 3.6   | 5.3   | 3.0   | .6    | .6    |       |       |       |       | 11.9       | 12.9                             | 12.0           |
| 050-070                      | 2.4                                  | 5.9  | 5.3   | 1.5   | 2.7   | 1.8   | 2.1   | .3    |       |       |       | 22.0       | 14.2                             | 12.0           |
| (E) 080-100                  | 1.2                                  | 2.4  | 1.5   | .3    |       | .3    | .9    |       | .6    |       |       | 7.1        | 14.4                             | 9.5            |
| 110-130                      | .6                                   | 2.1  |       |       |       |       |       |       |       |       |       | 2.7        | 5.7                              | 6.0            |
| 140-160                      | .9                                   | .6   | .6    |       |       |       |       |       |       |       |       | 2.1        | 5.9                              | 6.0            |
| (S) 170-190                  | .9                                   | 2.1  | 1.5   | .6    | .6    | .3    | .3    |       |       |       |       | 6.2        | 11.4                             | 10.0           |
| 200-220                      | .6                                   | 1.2  | 1.8   | .6    | 1.5   | .3    | .3    |       |       |       |       | 6.2        | 14.0                             | 14.0           |
| 230-250                      |                                      | 2.7  | 2.1   | .6    | .3    |       |       |       |       |       |       | 5.6        | 10.1                             | 10.0           |
| (W) 260-280                  | .6                                   | 2.4  | 1.5   | .9    |       | .3    |       |       |       |       |       | 5.6        | 10.0                             | 8.0            |
| 290-310                      |                                      | .6   | 1.2   |       |       |       |       |       |       |       |       | 1.8        | 9.8                              | 10.0           |
| 320-340                      | .3                                   | .9   | .3    |       |       |       |       |       |       |       |       | 1.5        | 6.8                              | 8.0            |
| VARIABLE                     |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                         | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 13.6       | //////////////////////////////// |                |
| TOTALS                       | 10.2                                 | 27.7 | 21.5  | 10.7  | 8.1   | 3.6   | 4.2   | .3    | .6    |       |       | 100.0      | 10.5                             | 10.0           |
| TOTAL NUMBER OF OBSERVATIONS |                                      |      |       |       |       |       |       |       |       |       |       | 337        |                                  |                |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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            | .3                                   | 2.5  | .6    |       | .3    |       |       |       |       |       |       |            | 3.8                              | 8.2            | 7.0  |
| 020-040                | 1.3                                  | 6.0  | 6.6   | 3.8   | 5.3   | 1.6   | .9    |       |       |       |       |            | 25.4                             | 14.3           | 13.0 |
| 050-070                | 1.3                                  | 5.6  | 4.7   | 3.8   | .9    | 1.9   | .9    |       | .6    |       |       |            | 19.7                             | 13.7           | 10.0 |
| (E) 080-100            | .9                                   | 1.3  | 1.3   | .9    | .3    | .3    | .6    | .3    | .3    |       |       |            | 6.3                              | 15.3           | 11.0 |
| 110-130                | .3                                   | 1.6  | .3    |       |       |       |       |       |       |       |       |            | 2.2                              | 6.3            | 5.0  |
| 140-160                | 1.3                                  | 2.5  | .6    |       |       |       | .3    |       |       |       |       |            | 4.7                              | 8.1            | 6.0  |
| (S) 170-190            | 1.3                                  | 3.8  | .9    | .9    | .6    |       |       |       |       |       |       |            | 7.5                              | 8.6            | 6.0  |
| 200-220                |                                      | 2.5  | 2.2   | .9    | .3    |       | .3    |       |       |       |       |            | 6.3                              | 12.2           | 10.0 |
| 230-250                | .6                                   | 2.5  | 1.9   | .3    | .3    | .3    |       |       |       |       |       |            | 6.0                              | 10.1           | 9.0  |
| (W) 260-280            | .6                                   | 1.3  | .9    | 1.3   | .6    |       |       |       |       |       |       |            | 4.7                              | 11.8           | 12.0 |
| 290-310                | 1.3                                  | .3   | .9    | .6    |       |       |       |       |       |       |       |            | 3.1                              | 9.1            | 8.0  |
| 320-340                | .3                                   | .3   | .3    |       |       |       |       |       |       |       |       |            | .9                               | 7.3            | 6.0  |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |      |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 9.4        | //////////////////////////////// |                |      |
| TOTALS                 | 9.5                                  | 30.2 | 21.2  | 12.5  | 8.6   | 4.1   | 3.0   | .3    | .9    |       |       |            | 100.0                            | 11.1           | 10.0 |

TOTAL NUMBER OF OBSERVATIONS 319

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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                  | .9                                   | 1.2  | 1.5   | .9    | .3    |       |       |       |       |       |            | 4.9          | 10.4                             | 10.0  |
| 020-040                      | 2.4                                  | 5.2  | 3.4   | 4.6   | 5.8   | 1.2   | .6    |       | .3    |       |            | 23.5         | 14.6                             | 15.0  |
| 050-070                      | 1.8                                  | 3.7  | 3.1   | 5.2   | 1.5   | 2.4   | 1.2   | .9    |       |       |            | 19.9         | 15.8                             | 15.0  |
| (E) 080-100                  | 1.8                                  | 1.8  | .6    |       | 1.2   | .3    | .6    | .3    |       |       |            | 6.7          | 12.8                             | 7.0   |
| 110-130                      | 3.1                                  | 1.5  | .3    |       |       |       |       |       |       |       |            | 4.9          | 4.9                              | 4.0   |
| 140-160                      | .9                                   | .9   | .6    |       |       |       | .3    |       |       |       |            | 2.8          | 9.1                              | 7.0   |
| (S) 170-190                  | 1.5                                  | 1.5  | .3    | 1.2   | .9    | .3    | .3    |       |       |       |            | 6.1          | 11.8                             | 8.5   |
| 200-220                      | 1.2                                  | 1.2  | 2.4   | .9    | 1.2   | .3    |       |       |       |       |            | 7.3          | 11.9                             | 10.5  |
| 230-250                      |                                      | 2.1  | 3.1   | .3    | .6    | .3    |       |       |       |       |            | 6.4          | 11.5                             | 10.0  |
| (W) 260-280                  |                                      | 1.5  | 1.8   |       |       |       |       |       |       |       |            | 3.4          | 8.5                              | 10.0  |
| 290-310                      | .3                                   | 1.2  | .9    | .3    |       |       |       |       |       |       |            | 2.8          | 8.4                              | 9.0   |
| 320-340                      | .3                                   | .6   | .6    |       |       |       |       |       |       |       |            | 1.5          | 8.0                              | 8.0   |
| VARIABLE                     |                                      |      |       |       |       |       |       |       |       |       |            |              |                                  |       |
| CALM                         | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |            | 9.8          | //////////////////////////////// |       |
| TOTALS                       | 14.2                                 | 22.4 | 18.6  | 13.4  | 11.5  | 4.8   | 3.0   | 1.2   | .3    |       |            | 100.0        | 11.4                             | 10.0  |
| TOTAL NUMBER OF OBSERVATIONS |                                      |      |       |       |       |       |       |       |       |       |            | 327          |                                  |       |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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                  | .6                                   | 2.3  | 2.9   | 1.2   |       |       |       |       |       |       |            | 7.0          | 9.7                              | 10.0  |
| 020-040                      | 1.4                                  | 4.1  | 4.6   | 2.3   | 5.5   | 1.2   | .6    | .3    |       |       |            | 20.0         | 15.0                             | 14.0  |
| 050-070                      | .9                                   | 4.6  | 2.3   | 2.0   | 4.1   | 1.7   | 1.4   | 1.2   |       |       |            | 18.3         | 17.1                             | 18.0  |
| (E) 080-100                  | 2.3                                  | 2.3  | 2.0   | 1.2   | .3    | 1.2   | .9    |       | .9    |       |            | 11.0         | 14.5                             | 10.0  |
| 110-130                      | .6                                   | 2.0  | .3    |       |       |       |       |       |       |       |            | 2.9          | 6.3                              | 6.5   |
| 140-160                      | .9                                   | 1.2  | .3    |       |       |       |       |       |       |       |            | 2.3          | 5.5                              | 5.0   |
| (S) 170-190                  | .9                                   | 3.2  | 1.4   | .9    |       | .3    |       |       |       |       |            | 6.7          | 9.3                              | 7.0   |
| 200-220                      | 1.2                                  | 1.4  | 1.4   | 2.0   | .3    | .3    |       |       |       |       |            | 6.7          | 12.0                             | 12.0  |
| 230-250                      | .6                                   | 1.7  | 2.6   | .6    | .3    |       | .3    |       |       |       |            | 6.1          | 11.3                             | 10.0  |
| (W) 260-280                  | .6                                   | 2.0  | 1.7   | .3    | .3    | .3    |       |       |       |       |            | 5.2          | 10.6                             | 9.0   |
| 290-310                      | .3                                   | .6   | .3    |       | .3    |       |       |       |       |       |            | 1.4          | 9.2                              | 6.0   |
| 320-340                      | .3                                   | 1.4  | .3    |       |       |       |       |       |       |       |            | 2.0          | 6.6                              | 6.0   |
| VARIABLE                     |                                      |      |       |       |       |       |       |       |       |       |            |              |                                  |       |
| CALM                         | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |            | 10.4         | //////////////////////////////// |       |
| TOTALS                       | 10.6                                 | 26.8 | 20.1  | 10.5  | 11.1  | 5.0   | 3.2   | 1.5   | .9    |       |            | 100.0        | 11.6                             | 10.0  |
| TOTAL NUMBER OF OBSERVATIONS |                                      |      |       |       |       |       |       |       |       |       |            | 345          |                                  |       |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 MONTH: FEB 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                       | .6                   | 2.0  | 1.8   | .8    | .2    |       |       |       |       |       |            | 5.3          | 9.6            | 10.0  |
| 020-040                           | 1.8                  | 5.0  | 4.5   | 4.0   | 4.9   | 1.1   | .7    | .1    | .1    |       |            | 22.1         | 14.2           | 14.0  |
| 050-070                           | 1.6                  | 5.0  | 3.8   | 3.1   | 2.3   | 2.0   | 1.4   | .6    | .2    |       |            | 20.0         | 15.2           | 14.0  |
| (E) 080-100                       | 1.6                  | 2.0  | 1.4   | .6    | .5    | .5    | .8    | .2    | .5    |       |            | 7.8          | 14.3           | 10.0  |
| 110-130                           | 1.1                  | 1.8  | .2    |       |       |       |       |       |       |       |            | 3.2          | 5.6            | 5.0   |
| 140-160                           | 1.0                  | 1.3  | .5    |       |       |       | .2    |       |       |       |            | 2.9          | 7.4            | 6.0   |
| (S) 170-190                       | 1.1                  | 2.6  | 1.1   | .9    | .5    | .2    | .2    |       |       |       |            | 6.6          | 10.2           | 7.0   |
| 200-220                           | .8                   | 1.6  | 2.0   | 1.1   | .8    | .2    | .2    |       |       |       |            | 6.6          | 12.5           | 11.5  |
| 230-250                           | .3                   | 2.3  | 2.4   | .5    | .4    | .2    | .1    |       |       |       |            | 6.0          | 10.8           | 10.0  |
| (W) 260-280                       | .5                   | 1.8  | 1.5   | .6    | .2    | .2    |       |       |       |       |            | 4.7          | 10.3           | 10.0  |
| 290-310                           | .5                   | .7   | .8    | .2    | .1    |       |       |       |       |       |            | 2.3          | 9.1            | 9.5   |
| 320-340                           | .3                   | .8   | .4    |       |       |       |       |       |       |       |            | 1.5          | 7.1            | 6.5   |
| VARIABLE                          |                      |      |       |       |       |       |       |       |       |       |            |              |                |       |
| CALM                              | //////////////////// |      |       |       |       |       |       |       |       |       |            | 10.8         | ////////       |       |
| TOTALS                            | 11.2                 | 26.9 | 20.4  | 11.8  | 9.9   | 4.4   | 3.6   | .9    | .8    |       |            | 100.0        | 11.2           | 10.0  |
| TOTAL NUMBER OF OBSERVATIONS 1328 |                      |      |       |       |       |       |       |       |       |       |            |              |                |       |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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            | .8                                   | 1.9  | 4.5   | 1.1   | .4    |       |       |       |       |       |       | 8.7        | 10.9                             | 11.0           |
| 020-040                | 1.1                                  | 1.9  | 3.0   | 6.0   | 9.4   | 1.1   | 1.1   |       |       |       |       | 23.8       | 17.4                             | 18.0           |
| 050-070                | .4                                   | 2.6  | 2.3   | 4.5   | 4.2   | 1.1   | .4    |       |       |       |       | 15.5       | 15.7                             | 17.0           |
| (E) 080-100            | .4                                   | .8   | .8    | 1.9   | .8    | 1.1   | .8    |       | .4    |       |       | 6.8        | 18.9                             | 18.0           |
| 110-130                | .4                                   | .8   | .4    |       |       |       |       |       |       |       |       | 1.5        | 6.5                              | 5.0            |
| 140-160                | .8                                   | .4   | .4    |       |       |       |       |       |       |       |       | 1.5        | 5.8                              | 4.5            |
| (S) 170-190            | 1.1                                  | 1.9  | 1.5   | 1.1   | 1.1   |       |       |       |       |       |       | 6.8        | 11.0                             | 10.0           |
| 200-220                |                                      | 1.5  | 1.1   | 1.5   | 3.0   | .4    |       |       |       |       |       | 7.5        | 16.1                             | 18.5           |
| 230-250                |                                      | 1.5  | 1.1   | .4    | 1.1   |       |       |       |       |       |       | 4.2        | 12.6                             | 12.0           |
| (W) 260-280            |                                      | 2.3  | 1.9   | .8    | .8    | .4    |       |       |       |       |       | 6.0        | 12.1                             | 11.0           |
| 290-310                | .8                                   | .4   | .8    |       |       |       |       |       |       |       |       | 1.9        | 7.4                              | 6.0            |
| 320-340                | .4                                   | 1.5  | 1.1   |       |       |       |       |       |       |       |       | 3.0        | 7.8                              | 7.0            |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 12.8       | //////////////////////////////// |                |
| TOTALS                 | 6.2                                  | 17.5 | 18.9  | 17.3  | 20.8  | 4.1   | 2.3   |       | .4    |       |       | 100.0      | 12.6                             | 15.0           |

TOTAL NUMBER OF OBSERVATIONS 265

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
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                      | .2                                   | 3.6  | 1.4   |       | .2    | .2    |       |       |       |       |            | 5.7          | 8.9                              | 7.0   |
| 020-040                          | 2.6                                  | 8.6  | 9.3   | 6.2   | 4.1   | 3.1   | .7    |       | .2    |       |            | 34.8         | 13.8                             | 12.0  |
| 050-070                          | 1.9                                  | 6.4  | 6.2   | 2.4   | 2.9   | 1.4   | 1.9   | .5    |       |       |            | 23.6         | 13.9                             | 11.0  |
| (E) 080-100                      | 1.7                                  | 3.1  | 1.7   | 1.4   | .7    | 1.2   | .2    |       |       |       |            | 10.0         | 12.0                             | 10.0  |
| 110-130                          | 1.2                                  | 1.7  | .5    |       |       |       |       |       |       |       |            | 3.3          | 5.7                              | 5.5   |
| 140-160                          | 1.0                                  | 1.4  |       |       |       |       |       |       |       |       |            | 2.4          | 5.3                              | 5.0   |
| (S) 170-190                      | 1.4                                  | 3.3  | .2    | .2    |       |       |       |       |       |       |            | 5.3          | 5.8                              | 5.0   |
| 200-220                          | .7                                   | .7   | 1.0   | .2    |       |       |       | .2    |       |       |            | 2.9          | 10.8                             | 9.5   |
| 230-250                          |                                      | 1.4  | .7    | .5    |       |       |       |       |       |       |            | 2.6          | 9.5                              | 8.0   |
| (W) 260-280                      | .2                                   | .7   | .5    | .2    |       |       |       |       |       |       |            | 1.7          | 8.0                              | 6.0   |
| 290-310                          | .5                                   | 1.0  | .2    |       |       |       |       |       |       |       |            | 1.7          | 5.7                              | 6.0   |
| 320-340                          | .7                                   | .2   | .2    |       |       |       |       |       |       |       |            | 1.2          | 6.6                              | 4.0   |
| VARIABLE                         |                                      |      |       |       |       |       |       |       |       |       |            |              |                                  |       |
| CALM                             | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |            | 4.8          | //////////////////////////////// |       |
| TOTALS                           | 12.1                                 | 32.1 | 21.9  | 11.1  | 7.9   | 5.9   | 2.8   | .7    | .2    |       |            | 100.0        | 11.3                             | 10.0  |
| TOTAL NUMBER OF OBSERVATIONS 419 |                                      |      |       |       |       |       |       |       |       |       |            |              |                                  |       |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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                                  | 2.6  | 2.0   |       |       | .3    |       |       |       |       |       | 6.1        | 8.1                              | 7.0            |
| 020-040                          | 1.3                                  | 9.0  | 7.7   | 5.9   | 5.6   | 3.3   | 1.0   | .3    |       |       |       | 34.0       | 14.5                             | 14.0           |
| 050-070                          | 3.1                                  | 3.3  | 5.4   | 3.1   | 3.6   | 2.6   | 2.0   |       |       |       |       | 23.0       | 14.9                             | 14.0           |
| (E) 080-100                      |                                      | 2.8  | 1.5   | 1.5   | 2.0   | 1.3   | .3    |       |       |       |       | 9.5        | 14.9                             | 15.0           |
| 110-130                          | .5                                   | 1.8  | .3    |       |       | .3    |       |       |       |       |       | 2.8        | 7.6                              | 6.0            |
| 140-160                          | 2.8                                  | 1.3  | .5    |       |       |       |       |       |       |       |       | 4.6        | 4.8                              | 4.0            |
| (S) 170-190                      | 1.3                                  | 2.6  |       | .3    |       |       |       |       |       |       |       | 4.1        | 6.4                              | 5.5            |
| 200-220                          |                                      | 2.0  | .5    | .3    | .3    |       |       |       |       |       |       | 3.1        | 9.1                              | 6.5            |
| 230-250                          |                                      | .8   | .8    |       |       | .3    |       |       |       |       |       | 1.8        | 11.3                             | 10.0           |
| (W) 260-280                      | .3                                   | .5   | .5    | .3    |       |       |       |       |       |       |       | 1.5        | 8.8                              | 8.0            |
| 290-310                          | .3                                   | .3   | .5    |       |       |       |       |       |       |       |       | 1.0        | 7.5                              | 8.0            |
| 320-340                          |                                      | .8   |       |       |       |       |       |       |       |       |       | .8         | 5.7                              | 6.0            |
| VARIABLE                         |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                             | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 7.7        | //////////////////////////////// |                |
| TOTALS                           | 10.9                                 | 27.8 | 19.7  | 11.4  | 11.5  | 8.1   | 3.3   | .3    |       |       |       | 100.0      | 11.7                             | 10.0           |
| TOTAL NUMBER OF OBSERVATIONS 391 |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |



OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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                  | 1.0                                  | 1.3  | .5    |       |       | .3    |       |       |       |       |            | 3.0          | 8.6                              | 7.0   |
| 020-040                      | 1.5                                  | 4.6  | 9.9   | 6.8   | 6.6   | 2.5   | 1.3   |       |       |       |            | 33.2         | 15.4                             | 15.0  |
| 050-070                      | 2.0                                  | 2.5  | 6.6   | 4.1   | 3.3   | 2.0   | 3.3   |       | .3    |       |            | 24.1         | 16.5                             | 15.0  |
| (E) 080-100                  | 1.5                                  | 2.0  | 2.0   | 1.5   | 2.3   | .3    | .3    |       |       |       |            | 9.9          | 13.0                             | 10.0  |
| 110-130                      | .8                                   | .8   |       | .5    |       |       |       |       |       |       |            | 2.0          | 8.5                              | 6.5   |
| 140-160                      | 2.8                                  | .8   |       |       |       |       |       |       |       |       |            | 3.5          | 4.0                              | 4.0   |
| (S) 170-190                  | 1.8                                  | 1.5  | .5    | .5    | .3    |       |       |       |       |       |            | 4.6          | 7.3                              | 5.0   |
| 200-220                      | .8                                   | 1.3  | 1.3   | 1.0   | .3    |       |       |       |       |       |            | 4.6          | 10.2                             | 10.0  |
| 230-250                      | .3                                   | .5   | .3    | .8    |       |       | .3    |       |       |       |            | 2.0          | 13.4                             | 13.0  |
| (W) 260-280                  |                                      |      | .8    | .3    |       |       |       |       |       |       |            | 1.0          | 12.5                             | 11.0  |
| 290-310                      |                                      | .5   | .3    | .3    | .3    |       |       |       |       |       |            | 1.3          | 12.8                             | 10.0  |
| 320-340                      | .3                                   | .3   | .3    |       |       |       |       |       |       |       |            | .8           | 7.0                              | 8.0   |
| VARIABLE                     |                                      |      |       |       |       |       |       |       |       |       |            |              |                                  |       |
| CALM                         | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |            | 10.1         | //////////////////////////////// |       |
| TOTALS                       | 12.8                                 | 16.1 | 22.5  | 15.8  | 13.1  | 5.1   | 5.2   |       | .3    |       |            | 100.0        | 12.3                             | 12.0  |
| TOTAL NUMBER OF OBSERVATIONS |                                      |      |       |       |       |       |       |       |       |       |            | 395          |                                  |       |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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                                   | 1.9  | .7    | .2    | .5    |       |       |       |       |       |       | 3.7        | 8.8                              | 6.0            |
| 020-040                          | 1.4                                  | 7.5  | 8.4   | 7.5   | 3.5   | 3.7   | 1.4   |       |       |       |       | 33.4       | 14.7                             | 14.0           |
| 050-070                          | 2.8                                  | 4.4  | 4.0   | 3.5   | 4.0   | 3.5   | .7    | .2    | .2    |       |       | 23.4       | 15.2                             | 15.0           |
| (E) 080-100                      | 1.2                                  | 3.0  | 2.6   | 1.6   | 1.4   | .5    | .2    |       |       |       |       | 10.5       | 11.8                             | 10.0           |
| 110-130                          | 1.4                                  | .9   | .2    |       |       | .2    |       |       |       |       |       | 2.8        | 7.0                              | 4.5            |
| 140-160                          | .2                                   | 1.9  |       |       |       |       |       |       |       |       |       | 2.1        | 6.0                              | 6.0            |
| (S) 170-190                      | .9                                   | 2.1  | .5    | .5    |       |       |       |       |       |       |       | 4.0        | 7.4                              | 6.0            |
| 200-220                          | .2                                   | 1.2  | .2    | .7    | .2    |       |       |       |       |       |       | 2.6        | 10.7                             | 9.0            |
| 230-250                          | .2                                   | 1.9  | 2.3   | .5    | .2    |       |       |       |       |       |       | 5.1        | 10.5                             | 11.0           |
| (W) 260-280                      | .5                                   | .2   | .5    |       |       |       |       |       |       |       |       | 1.2        | 6.6                              | 5.0            |
| 290-310                          | .5                                   | .5   | .2    |       |       |       |       |       |       |       |       | 1.2        | 6.2                              | 6.0            |
| 320-340                          | .5                                   | .2   | .5    |       |       |       |       |       |       |       |       | 1.2        | 6.6                              | 5.0            |
| VARIABLE                         |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                             | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 8.9        | //////////////////////////////// |                |
| TOTALS                           | 10.3                                 | 25.7 | 20.1  | 14.5  | 9.8   | 7.9   | 2.3   | .2    | .2    |       |       | 100.0      | 11.7                             | 11.0           |
| TOTAL NUMBER OF OBSERVATIONS 428 |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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                       | .7                   | 2.3  | 1.2   | .1    | .2    | .2    |       |       |       |       |       | 4.7        | 8.6              | 7.0            |
| 020-040                           | 1.7                  | 7.4  | 8.8   | 6.6   | 4.9   | 3.2   | 1.1   | .1    | .1    |       |       | 33.9       | 14.6             | 14.0           |
| 050-070                           | 2.4                  | 4.2  | 5.5   | 3.2   | 3.4   | 2.4   | 2.0   | .2    | .1    |       |       | 23.5       | 15.2             | 14.0           |
| (E) 080-100                       | 1.1                  | 2.8  | 2.0   | 1.5   | 1.6   | .8    | .2    |       |       |       |       | 10.0       | 12.9             | 10.0           |
| 110-130                           | 1.0                  | 1.3  | .2    | .1    |       | .1    |       |       |       |       |       | 2.8        | 7.0              | 6.0            |
| 140-160                           | 1.7                  | 1.3  | .1    |       |       |       |       |       |       |       |       | 3.1        | 4.9              | 4.0            |
| (S) 170-190                       | 1.3                  | 2.4  | .3    | .4    | .1    |       |       |       |       |       |       | 4.5        | 6.7              | 5.0            |
| 200-220                           | .4                   | 1.3  | .7    | .6    | .2    |       |       | .1    |       |       |       | 3.2        | 10.2             | 9.0            |
| 230-250                           | .1                   | 1.2  | 1.0   | .4    | .1    | .1    | .1    |       |       |       |       | 2.9        | 10.9             | 10.0           |
| (W) 260-280                       | .2                   | .4   | .6    | .2    |       |       |       |       |       |       |       | 1.3        | 8.7              | 10.0           |
| 290-310                           | .3                   | .6   | .3    | .1    | .1    |       |       |       |       |       |       | 1.3        | 7.9              | 6.0            |
| 320-340                           | .4                   | .4   | .2    |       |       |       |       |       |       |       |       | 1.0        | 6.5              | 5.5            |
| VARIABLE                          |                      |      |       |       |       |       |       |       |       |       |       |            |                  |                |
| CALM                              | //////////////////// |      |       |       |       |       |       |       |       |       |       | 7.8        | //////////////// |                |
| TOTALS                            | 11.3                 | 25.6 | 20.9  | 13.2  | 10.6  | 6.8   | 3.4   | .4    | .2    |       |       | 100.0      | 11.8             | 10.0           |
| TOTAL NUMBER OF OBSERVATIONS 1633 |                      |      |       |       |       |       |       |       |       |       |       |            |                  |                |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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<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                                  | .7   | 3.0   | .4    | 1.1   |       |       |       |       |       |       | 6.3        | 11.4                             | 11.0           |
| 020-040                | .4                                   | 3.7  | 10.8  | 10.8  | 8.9   | 2.6   |       |       |       |       |       | 37.2       | 15.7                             | 16.0           |
| 050-070                | 1.5                                  | 3.0  | 8.9   | 5.2   | 4.5   | 1.9   |       |       |       |       |       | 24.9       | 14.2                             | 14.0           |
| (E) 080-100            | 1.1                                  | 2.2  | .4    | 1.5   | 2.6   | 1.1   |       |       |       |       |       | 8.9        | 14.5                             | 16.5           |
| 110-130                | .7                                   | 1.1  | .4    | .7    |       |       |       |       |       |       |       | 3.0        | 9.6                              | 8.0            |
| 140-160                | .4                                   | .4   | .4    |       |       |       |       |       |       |       |       | 1.1        | 7.7                              | 8.0            |
| (S) 170-190            | .4                                   | .4   | .7    | .7    |       |       |       |       |       |       |       | 2.2        | 10.0                             | 10.0           |
| 200-220                |                                      | 1.1  | 1.1   | 1.1   | .7    |       |       |       |       |       |       | 4.1        | 13.1                             | 12.0           |
| 230-250                |                                      | 1.5  | .7    | 1.1   |       |       |       |       |       |       |       | 3.3        | 11.6                             | 10.0           |
| (W) 260-280            |                                      |      | .7    | .4    |       |       |       |       |       |       |       | 1.1        | 13.3                             | 14.0           |
| 290-310                | .4                                   | .7   | 1.9   |       |       |       |       |       |       |       |       | 3.0        | 8.8                              | 10.0           |
| 320-340                | .4                                   |      |       |       |       |       |       |       |       |       |       | .4         | 4.0                              | 4.0            |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 4.5        | //////////////////////////////// |                |
| TOTALS                 | 6.4                                  | 14.8 | 29.0  | 21.9  | 17.8  | 5.6   |       |       |       |       |       | 100.0      | 13.3                             | 14.0           |

TOTAL NUMBER OF OBSERVATIONS 269

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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                      | 1.2                                  | 3.0  | .9    |       |       |       |       |       |       |       |       | 5.1        | 6.5                              | 6.0            |
| 020-040                          | 1.4                                  | 9.3  | 6.8   | 3.7   | 3.3   | 2.3   | .5    | .2    |       |       |       | 27.5       | 13.2                             | 10.0           |
| 050-070                          | 2.8                                  | 6.3  | 2.8   | 3.5   | 4.2   | 1.9   | 1.4   | .2    | .2    |       |       | 23.3       | 14.3                             | 12.0           |
| (E) 080-100                      | 1.9                                  | 2.6  | 2.1   | 2.1   | 2.3   | .5    | .2    | .2    | .5    |       |       | 12.4       | 14.4                             | 12.0           |
| 110-130                          | .5                                   | 1.9  |       | .5    | .2    | .2    |       |       |       |       |       | 3.3        | 9.4                              | 6.0            |
| 140-160                          | .2                                   | 2.8  |       |       |       |       |       |       |       |       |       | 3.0        | 6.2                              | 6.0            |
| (S) 170-190                      | 3.0                                  | 2.3  | .9    | .2    |       | .2    |       |       | .2    |       |       | 7.0        | 7.8                              | 5.0            |
| 200-220                          | 1.4                                  | 2.1  | .5    | .2    | .5    |       |       |       |       |       |       | 4.7        | 7.8                              | 6.0            |
| 230-250                          |                                      | 1.2  | .7    |       | .2    |       |       |       |       |       |       | 2.1        | 10.7                             | 9.0            |
| (W) 260-280                      | .2                                   | .5   | .2    |       |       |       |       |       |       |       |       | .9         | 6.8                              | 6.5            |
| 290-310                          | .5                                   | .7   | .2    |       |       |       |       |       |       |       |       | 1.4        | 5.7                              | 6.0            |
| 320-340                          | .2                                   | .2   |       |       |       |       |       |       |       |       |       | .5         | 4.0                              | 4.0            |
| VARIABLE                         |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                             | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 8.9        | //////////////////////////////// |                |
| TOTALS                           | 13.3                                 | 32.9 | 15.1  | 10.2  | 10.7  | 5.1   | 2.1   | .6    | .9    |       |       | 100.0      | 10.9                             | 9.0            |
| TOTAL NUMBER OF OBSERVATIONS 429 |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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            | .8                                   | 2.1  | 1.0   |       |       |       |       |       |       |       |            | 3.9          | 7.1                              | 6.0   |
| 020-040                | 2.9                                  | 8.1  | 5.5   | 5.5   | 3.6   | 2.6   | .8    |       |       |       |            | 28.8         | 13.4                             | 12.0  |
| 050-070                | 2.9                                  | 4.9  | 5.2   | 3.4   | 4.9   | 1.3   | 2.1   | .5    |       | .3    |            | 25.5         | 15.2                             | 14.0  |
| (E) 080-100            | 1.8                                  | 3.1  | 3.1   | 1.3   | 2.1   | .8    | .5    | .5    | .5    |       |            | 13.8         | 14.4                             | 10.0  |
| 110-130                | 1.3                                  | 1.3  |       |       |       |       | .3    |       |       |       |            | 2.9          | 6.8                              | 5.0   |
| 140-160                | .5                                   | 1.6  |       |       |       |       |       |       |       |       |            | 2.1          | 5.0                              | 5.0   |
| (S) 170-190            | 1.0                                  | 2.1  | .5    | .3    |       |       |       |       |       |       |            | 3.9          | 6.9                              | 5.0   |
| 200-220                | .5                                   | 2.6  | .8    | .3    | .3    |       |       | .3    |       |       |            | 4.7          | 9.8                              | 6.5   |
| 230-250                | .5                                   | .5   | .8    | .3    | .3    |       |       |       |       |       |            | 2.3          | 10.4                             | 10.0  |
| (W) 260-280            |                                      |      | .8    |       |       |       |       |       |       |       |            | .8           | 10.7                             | 10.0  |
| 290-310                | .3                                   | .3   |       |       |       |       |       |       |       |       |            | .5           | 4.0                              | 4.0   |
| 320-340                | .8                                   | .3   | .3    |       |       |       |       |       |       |       |            | 1.3          | 4.8                              | 4.0   |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |            |              |                                  |       |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |            | 9.6          | //////////////////////////////// |       |
| TOTALS                 | 13.3                                 | 26.9 | 18.0  | 11.1  | 11.2  | 4.7   | 3.7   | 1.3   | .5    | .3    |            | 100.0        | 11.4                             | 10.0  |

TOTAL NUMBER OF OBSERVATIONS 385

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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                      | 1.2                                  | 2.0  | .7    | .2    |       |       |       |       |       | .2    |       | 4.4        | 9.4                              | 6.0            |
| 020-040                          | 1.0                                  | 4.4  | 6.2   | 5.4   | 4.7   | 2.0   | 2.0   |       | .2    |       |       | 25.9       | 16.0                             | 15.0           |
| 050-070                          | 1.7                                  | 3.5  | 6.9   | 3.0   | 4.9   | 2.5   | 1.7   | .7    | .2    |       |       | 25.2       | 16.3                             | 15.5           |
| (E) 080-100                      | 1.2                                  | 1.7  | 2.0   | 1.5   | 3.5   | .7    | 1.5   | .7    | .2    |       |       | 13.1       | 17.9                             | 20.0           |
| 110 130                          | .7                                   | 1.2  |       | .2    | .5    |       |       |       |       |       |       | 2.7        | 8.8                              | 5.0            |
| 140-160                          | 1.2                                  | 1.0  | .5    | .2    |       |       |       |       |       |       |       | 3.0        | 6.0                              | 5.0            |
| (S) 170-190                      | .7                                   | 1.5  | 1.0   |       |       |       |       |       |       |       |       | 3.2        | 7.0                              | 6.0            |
| 200-220                          | .5                                   | 1.2  | 1.0   | 1.7   | 1.0   | .2    |       |       |       |       |       | 5.7        | 13.6                             | 16.0           |
| 230-250                          |                                      | 2.0  | 1.2   | .7    | .2    |       |       |       |       |       |       | 4.2        | 11.0                             | 10.0           |
| (W) 260-280                      | .2                                   | 1.2  | .5    |       |       |       |       |       |       |       |       | 2.0        | 7.0                              | 6.0            |
| 290-310                          | .5                                   | .5   |       |       |       |       |       |       |       |       |       | 1.0        | 4.0                              | 4.0            |
| 320-340                          | .2                                   | .5   |       | .2    |       |       |       |       |       |       |       | 1.0        | 8.8                              | 6.5            |
| VARIABLE                         |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                             | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 8.6        | //////////////////////////////// |                |
| TOTALS                           | 9.1                                  | 20.7 | 20.0  | 13.1  | 14.8  | 5.4   | 5.2   | 1.4   | .6    | .2    |       | 100.0      | 13.2                             | 12.0           |
| TOTAL NUMBER OF OBSERVATIONS 405 |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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                      | .7                                   | 1.2  | 1.0   |       | .2    |       |       |       |       |       |            | 3.1                              | 8.6            | 8.0   |
| 020-040                          | 1.2                                  | 7.2  | 6.7   | 5.3   | 5.0   | 1.7   | 1.4   | .5    |       |       |            | 29.0                             | 14.8           | 13.0  |
| 050-070                          | 1.4                                  | 6.0  | 3.8   | 4.6   | 3.6   | 2.2   | 1.9   |       |       | .2    |            | 23.7                             | 15.6           | 15.0  |
| (E) 080-100                      | 2.2                                  | 2.9  | 2.4   | 1.9   | 1.4   | .7    | 1.2   | .5    | .7    |       |            | 13.9                             | 15.4           | 14.0  |
| 110-130                          | 1.2                                  |      | .2    | .5    | .2    |       | .2    |       |       |       |            | 2.4                              | 11.1           | 8.0   |
| 140-160                          | 1.0                                  | .7   | .2    |       |       |       |       |       |       |       |            | 1.9                              | 5.6            | 4.5   |
| (S) 170-190                      | 1.7                                  | .7   | .7    | .2    | .2    | .2    |       |       |       |       |            | 3.8                              | 8.6            | 5.5   |
| 200-220                          | 1.0                                  | 2.4  | .5    | 1.0   | .2    |       | .2    |       |       |       |            | 5.3                              | 9.6            | 6.5   |
| 230-250                          | 1.0                                  | 1.9  | .5    |       | .5    |       |       |       |       |       |            | 3.8                              | 8.4            | 6.0   |
| (W) 260-280                      | 1.4                                  | .7   | .7    | .2    |       |       |       |       |       |       |            | 3.1                              | 6.8            | 5.0   |
| 290-310                          | .5                                   | 1.0  | .5    |       |       |       |       |       |       |       |            | 1.9                              | 6.0            | 6.0   |
| 320-340                          | .5                                   | .2   | .2    |       |       |       |       |       |       |       |            | 1.0                              | 5.3            | 5.5   |
| VARIABLE                         |                                      |      |       |       |       |       |       |       |       |       |            |                                  |                |       |
| CALM                             | //////////////////////////////////// |      |       |       |       |       |       |       |       |       | 7.0        | //////////////////////////////// |                |       |
| TOTALS                           | 13.8                                 | 24.9 | 17.4  | 13.7  | 11.3  | 4.8   | 4.9   | 1.0   | .7    | .2    |            | 100.0                            | 12.3           | 10.0  |
| TOTAL NUMBER OF OBSERVATIONS 417 |                                      |      |       |       |       |       |       |       |       |       |            |                                  |                |       |



OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 MONTH: APR 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                                  | 2.1  | .9    | .1    | .1    |       |       |       |       |       | .1    | 4.2        | 7.8                              | 6.0            |
| 020-040                           | 1.6                                  | 7.3  | 6.3   | 5.0   | 4.2   | 2.1   | 1.2   | .2    | .1    |       |       | 27.8       | 14.3                             | 12.0           |
| 050-070                           | 2.2                                  | 5.2  | 4.6   | 3.6   | 4.4   | 2.0   | 1.8   | .4    | .1    | .1    |       | 24.4       | 15.3                             | 15.0           |
| (E) 080-100                       | 1.8                                  | 2.6  | 2.4   | 1.7   | 2.3   | .7    | .9    | .5    | .5    |       |       | 13.3       | 15.5                             | 14.0           |
| 110-130                           | .9                                   | 1.1  | .1    | .3    | .2    | .1    | .1    |       |       |       |       | 2.8        | 9.0                              | 5.0            |
| 140-160                           | .7                                   | 1.5  | .2    | .1    |       |       |       |       |       |       |       | 2.5        | 5.8                              | 5.0            |
| (S) 170-190                       | 1.7                                  | 1.7  | .8    | .2    | .1    | .1    |       |       | .1    |       |       | 4.5        | 7.7                              | 5.5            |
| 200-220                           | .9                                   | 2.1  | .7    | .8    | .5    | .1    | .1    | .1    |       |       |       | 5.1        | 10.3                             | 7.0            |
| 230-250                           | .4                                   | 1.4  | .8    | .2    | .3    |       |       |       |       |       |       | 3.1        | 10.0                             | 8.0            |
| (W) 260-280                       | .5                                   | .6   | .6    | .1    |       |       |       |       |       |       |       | 1.7        | 7.3                              | 6.0            |
| 290-310                           | .4                                   | .6   | .2    |       |       |       |       |       |       |       |       | 1.2        | 5.3                              | 6.0            |
| 320-340                           | .4                                   | .3   | .1    | .1    |       |       |       |       |       |       |       | .9         | 6.1                              | 5.0            |
| VARIABLE                          |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                              | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 8.5        | //////////////////////////////// |                |
| TOTAL                             | 12.5                                 | 26.5 | 17.7  | 12.2  | 12.1  | 5.1   | 4.1   | 1.2   | .8    | .2    |       | 100.0      | 11.9                             | 10.0           |
| TOTAL NUMBER OF OBSERVATIONS 1636 |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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<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   | 1.8   | .4    |       |       |       |       |       |       | .4    | 2.9        | 17.0                             | 12.0           |
| 020-040                | 1.4                                  | 3.6  | 4.7   | 9.8   | 7.6   | 1.8   | .4    |       |       |       |       | 29.3       | 16.2                             | 18.0           |
| 050-070                | 1.4                                  | 2.2  | 2.9   | 4.7   | 8.0   | 1.8   |       |       |       |       |       | 21.0       | 16.4                             | 18.0           |
| (E) 080-100            | 2.2                                  | 1.8  | 2.5   | 2.5   | 3.6   | .4    | .7    | .4    |       |       |       | 14.1       | 14.8                             | 16.0           |
| 110-130                | .4                                   | .4   |       |       | .4    |       | .4    |       |       |       |       | 1.4        | 15.8                             | 14.0           |
| 140-160                | .4                                   | 2.9  |       | .4    |       |       |       |       |       |       |       | 3.6        | 6.5                              | 5.0            |
| (S) 170-190            | .4                                   | .7   | 1.1   | .4    |       | .4    |       |       |       |       |       | 2.9        | 11.5                             | 10.0           |
| 200-220                | 1.4                                  | 1.8  | 1.1   | .7    | 1.8   | .4    |       |       |       |       |       | 7.2        | 12.2                             | 10.0           |
| 230-250                | .4                                   | 1.1  | 1.1   | .7    |       |       |       |       |       |       |       | 3.3        | 10.0                             | 10.0           |
| (W) 260-280            | .4                                   | 1.1  | 1.8   |       |       |       |       |       |       |       |       | 3.3        | 8.6                              | 10.0           |
| 290-310                |                                      | 1.8  | .4    |       |       |       |       |       |       |       |       | 2.2        | 6.5                              | 6.0            |
| 320-340                | .4                                   | .4   | .4    | .4    |       |       |       |       |       |       |       | 1.4        | 9.0                              | 8.0            |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 7.2        | //////////////////////////////// |                |
| TOTALS                 | 8.8                                  | 18.2 | 17.8  | 20.0  | 21.4  | 4.8   | 1.5   | .4    |       |       | .4    | 100.0      | 13.3                             | 15.0           |

TOTAL NUMBER OF OBSERVATIONS 276

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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                      | 1.2                                  | 1.6  | 1.8   | .2    |       |       |       |       |       |       |       | 4.8        | 7.8                              | 7.0            |      |
| 020-040                          | 2.5                                  | 5.3  | 10.2  | 7.4   | 4.2   | 1.8   | .2    |       |       |       |       | 31.6       | 13.4                             | 14.0           |      |
| 050-070                          | .7                                   | 4.4  | 7.9   | 4.4   | 5.3   | 2.5   | .5    | .2    |       |       |       | 25.9       | 15.1                             | 14.5           |      |
| (E) 080-100                      | .9                                   | 3.9  | 2.5   | 3.2   | 1.8   | 1.2   |       |       |       |       |       | 13.6       | 13.0                             | 10.0           |      |
| 110-130                          | 1.2                                  | 1.2  |       | .2    | .2    |       |       |       |       |       |       | 2.8        | 7.0                              | 5.5            |      |
| 140-160                          | 1.2                                  | .5   | .5    |       |       |       |       |       |       |       |       | 2.1        | 5.4                              | 4.0            |      |
| (S) 170-190                      | 1.4                                  | 1.6  | .2    |       | .2    |       |       |       |       |       |       | 3.5        | 6.4                              | 6.0            |      |
| 200-220                          | .2                                   | 1.8  | .7    | .2    | .5    |       |       |       |       |       |       | 3.5        | 9.8                              | 8.0            |      |
| 230-250                          |                                      | .9   | .7    | .2    |       |       |       |       |       |       |       | 1.8        | 8.9                              | 9.0            |      |
| (W) 260-280                      | .2                                   | .2   | .2    |       |       |       |       |       |       |       |       | .7         | 7.0                              | 8.0            |      |
| 290-310                          | .7                                   | .2   | .2    |       |       |       |       |       |       |       |       | 1.2        | 4.8                              | 3.0            |      |
| 320-340                          | .2                                   | .2   |       |       | .2    |       |       |       |       |       | .2    | .9         | 25.8                             | 14.5           |      |
| VARIABLE                         |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |      |
| CALM                             | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 7.6        | //////////////////////////////// |                |      |
| TOTALS                           | 10.4                                 | 21.8 | 24.9  | 15.8  | 12.4  | 5.5   | .7    | .2    |       |       |       | .2         | 100.0                            | 11.7           | 11.0 |
| TOTAL NUMBER OF OBSERVATIONS 433 |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |      |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 7G1210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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                                   | 2.0  | .5    | .5    |       |       |       |       |       |       |            | 3.2                              | 8.9            | 8.0   |
| 020-040                | 2.0                                  | 2.5  | 7.8   | 5.6   | 7.6   | 3.2   | .5    |       |       |       |            | 29.2                             | 15.9           | 16.0  |
| 050-070                | 1.2                                  | 3.4  | 7.1   | 6.6   | 4.9   | 2.2   | 2.0   |       |       |       |            | 27.5                             | 15.8           | 15.0  |
| (E) 080-100            | 1.7                                  | 2.2  | 3.7   | 1.7   | 2.9   | .5    | .2    |       |       |       |            | 13.0                             | 12.9           | 12.0  |
| 110-130                | 1.0                                  | 1.2  |       | .2    | .2    |       |       |       |       |       |            | 2.7                              | 7.0            | 5.0   |
| 140-160                | .5                                   | .5   |       |       |       |       |       |       |       |       |            | 1.0                              | 5.3            | 4.5   |
| (S) 170-190            | 2.7                                  | 2.7  | .2    | .5    | .2    |       |       |       |       |       |            | 6.4                              | 6.1            | 5.0   |
| 200-220                | 1.0                                  | 1.5  | 1.2   | .2    | .2    |       |       |       |       |       |            | 4.2                              | 8.7            | 8.0   |
| 230-250                | .7                                   | 1.0  | 1.5   | .2    |       |       |       |       |       |       |            | 3.4                              | 8.4            | 9.0   |
| (W) 260-280            |                                      | .5   |       |       |       |       |       |       |       |       |            | .5                               | 6.5            | 6.5   |
| 290-310                | .2                                   | .5   |       |       |       |       |       |       |       |       |            | .7                               | 4.7            | 5.0   |
| 320-340                | .7                                   |      |       |       |       |       |       |       |       |       |            | .7                               | 3.7            | 4.0   |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |            |                                  |                |       |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       | 7.6        | //////////////////////////////// |                |       |
| TOTALS                 | 11.9                                 | 18.0 | 22.0  | 15.5  | 16.0  | 5.9   | 2.7   |       |       |       |            | 100.0                            | 12.3           | 12.0  |

TOTAL NUMBER OF OBSERVATIONS 408

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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                      | .2                                   | 2.4  | 1.7   | 1.0   |       |       |       |       |       |       |            | 5.2          | 9.4                              | 9.5   |
| 020-040                          | .5                                   | 3.6  | 6.2   | 4.5   | 6.2   | 4.0   | .7    | .2    |       |       |            | 26.0         | 16.8                             | 17.0  |
| 050-070                          | .7                                   | 3.1  | 5.7   | 6.9   | 6.2   | 4.3   | 2.4   | .2    |       |       |            | 29.5         | 17.9                             | 18.0  |
| (E) 080-100                      | .7                                   | 2.4  | 1.2   | 2.9   | 3.8   | .5    | 1.2   |       |       |       |            | 12.6         | 16.7                             | 18.0  |
| 110-130                          | .2                                   | .7   | .7    |       |       | .2    |       |       |       |       |            | 1.9          | 10.8                             | 9.0   |
| 140-160                          | 1.9                                  | .7   |       |       |       |       |       |       |       |       |            | 2.6          | 3.1                              | 3.0   |
| (S) 170-190                      | .2                                   | 1.0  | .2    | .2    | .2    |       |       |       |       |       |            | 1.9          | 10.1                             | 8.0   |
| 200-220                          |                                      | .5   | 1.0   | .7    | .5    |       |       |       |       |       |            | 2.6          | 13.3                             | 14.0  |
| 230-250                          | 1.2                                  | 2.1  | 1.2   | .7    |       |       |       |       |       |       |            | 5.2          | 8.3                              | 7.5   |
| (W) 260-280                      | 1.2                                  | 1.2  | .2    |       |       |       |       |       |       |       |            | 2.6          | 5.4                              | 5.0   |
| 290-310                          | .2                                   | 1.2  | .2    |       |       |       |       |       |       |       |            | 1.7          | 6.7                              | 7.0   |
| 320-340                          | .2                                   | 2.1  | .2    |       |       |       |       |       |       |       |            | 2.6          | 6.4                              | 6.0   |
| VARIABLE                         |                                      |      |       |       |       |       |       |       |       |       |            |              |                                  |       |
| CALM                             | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |            | 5.5          | //////////////////////////////// |       |
| TOTALS                           | 7.2                                  | 21.0 | 18.5  | 16.9  | 16.9  | 9.0   | 4.3   | .4    |       |       |            | 100.0        | 13.9                             | 15.0  |
| TOTAL NUMBER OF OBSERVATIONS 420 |                                      |      |       |       |       |       |       |       |       |       |            |              |                                  |       |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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            | .7                                   | 3.0  | 1.6   | .5    |       |       |       |       |       |       |       | 5.8        | 8.2                              | 7.0            |
| 020-040                | 1.4                                  | 3.7  | 6.1   | 6.8   | 7.0   | 2.6   | .7    | .2    | .2    |       |       | 28.7       | 16.1                             | 16.0           |
| 050-070                | .9                                   | 3.7  | 6.1   | 6.3   | 5.4   | 3.3   | 1.9   |       |       |       |       | 27.5       | 16.6                             | 17.5           |
| (E) 080-100            | .2                                   | 2.1  | 2.6   | 2.3   | 2.3   | 2.1   | .7    |       |       |       |       | 12.4       | 16.6                             | 18.0           |
| 110-130                | .7                                   | .5   |       |       |       |       |       |       |       |       |       | 1.2        | 5.0                              | 4.0            |
| 140-160                | .7                                   | .9   | .5    |       |       |       |       |       |       |       |       | 2.1        | 6.2                              | 6.0            |
| (S) 170-190            | 1.4                                  | 1.4  | .7    | .2    |       | .2    |       |       |       |       |       | 4.0        | 7.8                              | 7.0            |
| 200-220                | 1.2                                  | .7   | 1.4   | .2    |       | .2    |       |       |       |       |       | 3.7        | 9.4                              | 9.0            |
| 230-250                | .7                                   |      | .2    | .2    |       |       |       |       |       |       |       | 1.2        | 7.0                              | 4.0            |
| (W) 260-280            | 1.2                                  | .9   | .2    | .5    | .2    |       |       |       |       |       |       | 3.0        | 8.5                              | 6.0            |
| 290-310                | .7                                   | 1.2  | .2    |       |       |       |       |       |       |       |       | 2.1        | 6.2                              | 7.0            |
| 320-340                | .5                                   | 1.6  | .2    |       |       |       |       |       |       |       |       | 2.3        | 6.8                              | 7.0            |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 6.1        | //////////////////////////////// |                |
| TOTALS                 | 10.3                                 | 19.7 | 19.8  | 17.0  | 14.9  | 8.4   | 3.3   | .2    | .2    |       |       | 100.0      | 13.2                             | 13.0           |

TOTAL NUMBER OF OBSERVATIONS 429

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 MONTH: MAY 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            | .6                   | 2.2  | 1.4   | .5    |       |       |       |       |       |       |       | 4.8        | 8.5          | 8.0            |
| 020-040                | 1.6                  | 3.8  | 7.6   | 6.1   | 6.2   | 2.9   | .5    | .1    | .1    |       |       | 28.9       | 15.4         | 15.0           |
| 050-070                | .9                   | 3.7  | 6.7   | 6.0   | 5.4   | 3.1   | 1.7   | .1    |       |       |       | 27.6       | 16.4         | 16.0           |
| (E) 080-100            | .9                   | 2.7  | 2.5   | 2.5   | 2.7   | 1.1   | .5    |       |       |       |       | 12.9       | 14.7         | 15.0           |
| 110-130                | .8                   | .9   | .2    | .1    | .1    | .1    |       |       |       |       |       | 2.1        | 7.6          | 6.0            |
| 140-160                | 1.1                  | .7   | .2    |       |       |       |       |       |       |       |       | 2.0        | 4.8          | 4.0            |
| (S) 170-190            | 1.4                  | 1.7  | .4    | .2    | .2    | .1    |       |       |       |       |       | 3.9        | 7.1          | 5.5            |
| 200-220                | .6                   | 1.1  | 1.1   | .4    | .3    | .1    |       |       |       |       |       | 3.5        | 10.0         | 10.0           |
| 230-250                | .7                   | 1.0  | .9    | .4    |       |       |       |       |       |       |       | 2.9        | 8.3          | 8.0            |
| (W) 260-280            | .7                   | .7   | .2    | .1    | .1    |       |       |       |       |       |       | 1.7        | 7.0          | 5.0            |
| 290-310                | .5                   | .8   | .2    |       |       |       |       |       |       |       |       | 1.4        | 5.9          | 5.5            |
| 320-340                | .4                   | 1.0  | .1    |       | .1    |       |       |       |       | .1    |       | 1.7        | 9.0          | 6.0            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 6.7        | ////         | ////           |
| TOTALS                 | 10.2                 | 20.3 | 21.5  | 16.3  | 15.1  | 7.4   | 2.7   | .2    | .1    |       | .1    | 100.0      | 12.8         | 12.0           |

TOTAL NUMBER OF OBSERVATIONS 1690

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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<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                   | 2.3  | 2.6   | .9    |       |       |       |       |       |       |            | 6.6          | 9.2            | 10.0  |
| 020-040                | 1.3                  | 2.6  | 9.4   | 8.4   | 8.8   | 2.3   |       |       |       |       |            | 32.8         | 15.5           | 15.0  |
| 050-070                | .4                   | 3.4  | 8.3   | 4.9   | 5.4   | 2.3   | .4    |       |       |       |            | 25.0         | 15.3           | 15.0  |
| (E) 080-100            | .2                   | 1.5  | 2.3   | 1.7   | 2.1   | 1.1   |       |       |       |       |            | 8.8          | 15.4           | 16.0  |
| 110-130                | .4                   | .9   |       |       |       |       |       |       |       |       |            | 1.3          | 5.4            | 6.0   |
| 140-160                | .6                   | .6   | .2    |       |       |       |       |       |       |       |            | 1.3          | 5.6            | 5.0   |
| (S) 170-190            | .6                   | 1.7  | .4    | .2    | .4    | .2    |       |       |       |       |            | 3.4          | 9.7            | 7.0   |
| 200-220                | .4                   | .9   | 1.5   | .9    | .4    |       |       |       |       |       |            | 4.1          | 11.9           | 13.0  |
| 230-250                | .6                   | .9   | 2.3   | .6    |       |       |       |       |       |       |            | 4.3          | 9.4            | 10.0  |
| (W) 260-280            | .4                   | 1.3  | .4    |       |       |       |       |       |       |       |            | 2.1          | 6.6            | 6.0   |
| 290-310                | .4                   | .6   | .4    |       |       |       |       |       |       |       |            | 1.3          | 7.4            | 8.0   |
| 320-340                | .2                   | 1.5  | .4    |       |       |       |       |       |       |       |            | 2.1          | 7.1            | 6.0   |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |            |              |                |       |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |            | 6.9          | ////           | ////  |
| TOTALS                 | 6.3                  | 18.2 | 28.2  | 17.6  | 17.1  | 5.9   | .4    |       |       |       |            | 100.0        | 12.6           | 12.0  |

TOTAL NUMBER OF OBSERVATIONS 533



OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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            | 2.5                                  | 4.1  | .9    | .2    | .2    |       |       |       |       |       |       | 7.9        | 6.6                              | 6.0            |
| 020-040                | 1.8                                  | 5.2  | 5.7   | 4.5   | .7    | .2    | .2    |       |       |       |       | 18.4       | 11.1                             | 10.0           |
| 050-070                | 2.7                                  | 5.4  | 8.4   | 2.0   | 1.8   | .5    | .2    | .2    |       |       |       | 21.3       | 11.0                             | 10.0           |
| (E) 080-100            | 1.6                                  | 2.7  | .9    | 1.4   | .5    | .2    |       |       |       |       |       | 7.3        | 9.9                              | 8.0            |
| 110-130                | .7                                   | .2   | .5    |       | .2    |       |       |       |       |       |       | 1.6        | 8.7                              | 6.0            |
| 140-160                | .7                                   | 1.8  | .2    | .2    |       |       |       |       |       |       |       | 2.9        | 6.6                              | 6.0            |
| (S) 170-190            | .9                                   | 2.7  | 1.6   | .7    | .7    |       |       |       |       |       |       | 6.6        | 9.3                              | 7.0            |
| 200-220                | 1.1                                  | 3.6  | .7    | .5    | .5    |       |       |       |       |       |       | 6.3        | 8.2                              | 7.5            |
| 230-250                | 2.3                                  | 2.0  | 1.1   | .5    | .7    |       |       |       |       |       |       | 6.6        | 8.2                              | 6.0            |
| (W) 260-280            |                                      | 1.8  | 1.6   | .2    | .2    |       |       | .2    |       |       |       | 4.1        | 11.7                             | 10.0           |
| 290-310                | .9                                   | 1.1  | .2    |       |       |       |       |       |       |       |       | 2.3        | 5.1                              | 5.0            |
| 320-340                | .9                                   | .7   |       | .2    |       |       |       |       |       |       |       | 1.8        | 6.9                              | 6.0            |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 12.9       | //////////////////////////////// |                |
| TOTALS                 | 16.1                                 | 31.3 | 21.8  | 10.4  | 5.5   | .9    | .4    | .4    |       |       |       | 100.0      | 8.4                              | 8.0            |

TOTAL NUMBER OF OBSERVATIONS 441

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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                      | 2.5                                  | 4.7  | 1.7   | .2    |       |       |       |       |       |       |       | 9.1        | 6.6                              | 6.0            |
| 020-040                          | 1.2                                  | 3.9  | 5.1   | 2.0   | .5    | .2    |       |       |       |       |       | 13.0       | 10.4                             | 10.0           |
| 050-070                          | 2.7                                  | 6.1  | 5.1   | 3.4   | 3.4   | .5    | .2    | .5    |       |       |       | 22.1       | 12.4                             | 10.0           |
| (E) 080-100                      | 1.0                                  | 2.5  | 3.4   | .7    | 2.2   | .2    |       |       |       |       |       | 10.0       | 12.3                             | 12.0           |
| 110-130                          | .5                                   | 1.0  | .2    |       |       |       |       |       |       |       |       | 1.7        | 6.0                              | 5.0            |
| 140-160                          | 1.2                                  | 1.0  | .7    | .2    |       |       |       |       |       |       |       | 3.2        | 6.7                              | 5.0            |
| (S) 170-190                      | 1.5                                  | 3.4  | .7    | 1.2   | .5    | .2    |       |       |       |       |       | 7.6        | 9.7                              | 7.0            |
| 200-220                          | 1.7                                  | 3.7  | 1.5   | .7    | .2    |       |       |       |       |       |       | 7.8        | 8.1                              | 8.0            |
| 230-250                          | 1.5                                  | 2.7  | 1.7   | .2    | .5    |       | .5    |       |       |       |       | 7.1        | 9.6                              | 8.0            |
| (W) 260-280                      | 2.2                                  | 1.2  | 2.0   | .5    |       |       | .2    |       |       |       |       | 6.1        | 8.2                              | 8.0            |
| 290-310                          | .5                                   | .7   | .2    |       |       |       |       |       |       | .2    |       | 1.7        | 17.4                             | 6.0            |
| 320-340                          |                                      | 1.2  | .5    |       |       |       |       |       |       |       |       | 1.7        | 7.7                              | 8.0            |
| VARIABLE                         |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                             | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 8.8        | //////////////////////////////// |                |
| TOTALS                           | 16.5                                 | 32.1 | 22.8  | 9.1   | 7.3   | 1.1   | .9    | .5    |       |       | .2    | 100.0      | 9.2                              | 8.0            |
| TOTAL NUMBER OF OBSERVATIONS 408 |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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                      | .5                                   | 4.5  | 4.2   | 1.5   | .7    |       |       |       |       |       |       | 11.4       | 10.4                             | 10.0           |
| 020-040                          |                                      | 1.2  | 2.5   | 3.5   | 2.0   | .5    |       |       |       | .2    |       | 9.9        | 16.4                             | 16.0           |
| 050-070                          | 1.0                                  | 2.7  | 2.7   | 2.0   | 4.5   | .5    |       |       |       |       |       | 13.4       | 14.2                             | 15.0           |
| (E) 080-100                      | .5                                   | 1.2  | 1.7   | .5    | 2.7   | .2    |       |       |       |       |       | 6.9        | 14.1                             | 14.5           |
| 110-130                          | 1.0                                  |      | .5    | .5    |       |       |       |       |       |       |       | 2.0        | 8.4                              | 6.5            |
| 140-160                          | .2                                   | .2   | .5    |       |       |       |       |       |       |       |       | 1.0        | 7.0                              | 7.5            |
| (S) 170-190                      | 1.5                                  | .7   | .7    | 1.0   | .2    | .2    |       |       |       |       |       | 4.5        | 9.7                              | 7.5            |
| 200-220                          | 1.2                                  | 3.7  | 1.5   | .5    | .5    |       |       |       |       |       |       | 7.4        | 8.7                              | 7.5            |
| 230-250                          | 2.2                                  | 3.2  | 2.5   | 1.5   | .7    |       |       |       |       |       |       | 10.2       | 9.4                              | 9.0            |
| (W) 260-280                      | 1.7                                  | 4.0  | 1.2   |       | .2    |       |       |       |       |       |       | 7.2        | 6.8                              | 6.0            |
| 290-310                          | 2.0                                  | 4.2  | .5    |       |       |       |       |       |       |       |       | 6.7        | 6.0                              | 6.0            |
| 320-340                          | 2.2                                  | 8.4  | 4.5   | .2    |       |       |       |       |       |       |       | 15.4       | 8.0                              | 8.0            |
| VARIABLE                         |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                             | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 4.0        | //////////////////////////////// |                |
| TOTALS                           | 14.0                                 | 34.0 | 23.0  | 11.2  | 11.5  | 1.4   |       |       |       | .2    |       | 100.0      | 10.1                             | 9.0            |
| TOTAL NUMBER OF OBSERVATIONS 403 |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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            | 2.1                                  | 5.8  | 7.2   | 1.6   | .9    |       |       |       |       |       |            | 17.6         | 9.6                              | 10.0  |
| 020-040                | 1.2                                  | 2.3  | 7.2   | 3.9   | 3.2   | .5    | .2    |       |       |       | .2         | 18.8         | 14.3                             | 14.0  |
| 050-070                | 1.2                                  | .5   | 3.7   | 2.8   | 3.5   |       | .2    |       |       |       |            | 11.8         | 14.5                             | 15.0  |
| (E) 080-100            | .2                                   | .9   | 1.9   | 1.2   | .2    |       |       |       |       |       |            | 4.4          | 12.3                             | 12.0  |
| 110-130                |                                      |      | .5    | .5    | .2    |       |       |       |       |       |            | 1.2          | 15.8                             | 15.0  |
| 140-160                | .7                                   | .9   | .2    |       |       |       |       |       |       |       |            | 1.9          | 4.9                              | 5.0   |
| (S) 170-190            | 1.2                                  | .7   | .9    | .2    | .2    | .2    |       |       |       |       |            | 3.5          | 9.6                              | 6.0   |
| 200-220                | 1.6                                  | 2.8  | 1.6   | .7    | .2    |       | .2    |       |       |       |            | 7.2          | 8.6                              | 6.0   |
| 230-250                | 1.6                                  | 2.1  | 1.9   | .2    | .5    | .2    |       |       |       |       |            | 6.5          | 9.0                              | 7.5   |
| (W) 260-280            | 1.4                                  | 4.4  | 2.1   | .7    | .2    |       |       |       |       |       |            | 8.8          | 8.2                              | 8.0   |
| 290-310                | .7                                   | 2.6  | .2    | .5    |       |       |       |       |       |       |            | 3.9          | 7.5                              | 6.0   |
| 320-340                | 1.6                                  | 3.7  | .7    | .7    |       |       |       |       |       |       |            | 6.7          | 7.0                              | 6.0   |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |            |              |                                  |       |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |            | 7.7          | //////////////////////////////// |       |
| TOTALS                 | 13.5                                 | 26.7 | 28.1  | 13.0  | 9.1   | .9    | .6    |       |       |       | .2         | 100.0        | 9.9                              | 10.0  |

TOTAL NUMBER OF OBSERVATIONS 431

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 MONTH: JUN 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                       | 1.9                                  | 4.8  | 3.5   | .9    | .5    |       |       |       |       |       |            | 11.5         | 8.7                              | 8.0   |
| 020-040                           | 1.1                                  | 3.2  | 5.2   | 3.5   | 1.6   | .4    | .1    |       |       | .1    | .1         | 15.2         | 12.8                             | 12.0  |
| 050-070                           | 1.9                                  | 3.7  | 5.1   | 2.6   | 3.3   | .4    | .2    | .2    |       |       |            | 17.2         | 12.7                             | 12.0  |
| (E) 080-100                       | .8                                   | 1.8  | 2.0   | 1.0   | 1.4   | .2    |       |       |       |       |            | 7.1          | 12.1                             | 12.0  |
| 110-130                           | .5                                   | .3   | .4    | .2    | .1    |       |       |       |       |       |            | 1.6          | 9.2                              | 6.0   |
| 140-160                           | .7                                   | 1.0  | .4    | .1    |       |       |       |       |       |       |            | 2.3          | 6.3                              | 5.5   |
| (S) 170-190                       | 1.2                                  | 1.9  | 1.0   | .8    | .4    | .2    |       |       |       |       |            | 5.5          | 9.6                              | 7.0   |
| 200-220                           | 1.4                                  | 3.4  | 1.3   | .6    | .4    |       | .1    |       |       |       |            | 7.2          | 8.4                              | 7.0   |
| 230-250                           | 1.9                                  | 2.5  | 1.8   | .6    | .6    | .1    | .1    |       |       |       |            | 7.5          | 9.1                              | 8.0   |
| (W) 260-280                       | 1.3                                  | 2.9  | 1.7   | .4    | .2    |       | .1    | .1    |       |       |            | 6.5          | 8.4                              | 8.0   |
| 290-310                           | 1.0                                  | 2.1  | .3    | .1    |       |       |       |       |       | .1    |            | 3.6          | 7.6                              | 6.0   |
| 320-340                           | 1.2                                  | 3.4  | 1.4   | .3    |       |       |       |       |       |       |            | 6.3          | 7.6                              | 7.5   |
| VARIABLE                          |                                      |      |       |       |       |       |       |       |       |       |            |              |                                  |       |
| CALM                              | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |            | 8.4          | //////////////////////////////// |       |
| TOTALS                            | 14.9                                 | 31.0 | 24.1  | 11.1  | 8.5   | 1.3   | .6    | .3    |       | .1    | .2         | 100.0        | 9.4                              | 9.0   |
| TOTAL NUMBER OF OBSERVATIONS 1683 |                                      |      |       |       |       |       |       |       |       |       |            |              |                                  |       |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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<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                                  | 5.0  | 3.3   | .8    | .4    |       |       |       |       |       |       | 10.9       | 8.7                              | 8.0            |
| 020-040                | .4                                   | 2.5  | 4.0   | 4.6   | 2.1   | .2    | .2    |       |       |       |       | 14.0       | 13.7                             | 15.0           |
| 050-070                | 1.5                                  | 3.3  | 3.4   | 3.3   | 3.3   | .4    | .4    | .4    |       |       |       | 15.9       | 14.1                             | 14.0           |
| (E) 080-100            | .2                                   | 1.1  | .6    | .4    | .8    |       |       |       |       |       |       | 3.1        | 11.8                             | 12.0           |
| 110-130                | .4                                   |      | .6    |       |       |       |       |       |       |       |       | 1.0        | 8.2                              | 10.0           |
| 140-160                | .6                                   | .8   | .4    | .2    |       |       |       |       |       |       |       | 1.9        | 6.9                              | 6.0            |
| (S) 170-190            | .8                                   | 1.9  | 1.3   | 1.1   | .4    | .4    |       |       |       |       |       | 5.9        | 11.2                             | 10.0           |
| 200-220                | 1.5                                  | 4.8  | 2.7   | 1.1   | 1.0   |       | .2    |       |       |       |       | 11.3       | 9.8                              | 8.0            |
| 230-250                | 1.9                                  | 3.1  | 2.7   | 1.3   | 1.5   | .2    | .4    |       |       |       |       | 11.1       | 11.5                             | 10.0           |
| (W) 260-280            | 1.5                                  | 4.0  | 2.3   | .8    | .4    |       | .2    | .2    |       |       |       | 9.4        | 9.6                              | 8.0            |
| 290-310                | .8                                   | 2.9  | .4    | .4    |       |       |       |       |       |       |       | 4.4        | 7.0                              | 6.0            |
| 320-340                | 1.1                                  | 3.8  | 1.3   | .4    |       |       |       |       |       |       |       | 6.7        | 7.7                              | 8.0            |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 4.4        | //////////////////////////////// |                |
| TOTALS                 | 12.2                                 | 33.2 | 23.0  | 14.4  | 9.9   | 1.2   | 1.4   | .6    |       |       |       | 100.0      | 10.5                             | 10.0           |

TOTAL NUMBER OF OBSERVATIONS 522

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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                      | .5                                   | 5.9  | 1.9   | .5    |       |       |       |       |       |       |       | 8.7        | 7.5                              | 7.0            |
| 020-040                          | 2.6                                  | 7.3  | 5.9   | .7    |       |       |       |       |       |       |       | 16.4       | 8.1                              | 8.0            |
| 050-070                          | 2.1                                  | 5.2  | 5.6   | 2.8   | 1.2   |       |       |       |       |       |       | 16.9       | 10.3                             | 10.0           |
| (E) 080-100                      | 1.4                                  | 4.2  | 3.1   | 1.4   | .5    |       |       |       |       |       |       | 10.6       | 9.1                              | 9.0            |
| 110-130                          | .7                                   | 1.2  | .5    | .2    |       |       |       |       |       |       |       | 2.6        | 7.5                              | 6.0            |
| 140-160                          | 1.2                                  | 1.4  |       |       |       |       |       |       |       |       |       | 2.6        | 5.2                              | 5.0            |
| (S) 170-190                      | .5                                   | 1.6  | 1.4   | .9    | 1.6   |       |       |       |       |       |       | 6.1        | 12.4                             | 10.0           |
| 200-220                          | .9                                   | 2.6  | 1.9   | 1.4   | 1.4   | .2    |       |       |       |       |       | 8.5        | 11.6                             | 10.0           |
| 230-250                          | 1.2                                  | 2.6  | 2.8   | 1.6   | .5    | .2    |       |       |       |       |       | 8.9        | 10.5                             | 10.0           |
| (W) 260-280                      |                                      | 3.1  | .9    | .5    | .2    | .2    | .2    |       |       |       |       | 5.2        | 10.7                             | 8.0            |
| 290-310                          | 1.4                                  | .7   | .5    |       | .2    |       |       |       |       |       |       | 2.8        | 6.9                              | 5.0            |
| 320-340                          |                                      | .7   |       |       |       |       |       |       |       |       |       | .7         | 7.3                              | 8.0            |
| VARIABLE                         |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                             | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 10.1       | //////////////////////////////// |                |
| TOTALS                           | 12.5                                 | 36.5 | 24.5  | 10.0  | 5.6   | .6    | .2    |       |       |       |       | 100.0      | 8.5                              | 8.0            |
| TOTAL NUMBER OF OBSERVATIONS 426 |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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            |                      | 1.7  | 1.5   | .2    |       |       |       |       |       |       |       | 3.5        | 8.9          | 9.0            |
| 020-040                | .5                   | 3.7  | 3.7   | 1.0   |       |       |       |       |       |       |       | 8.9        | 9.0          | 10.0           |
| 050-070                | 1.2                  | 4.2  | 5.2   | 3.0   | 2.0   | .2    |       |       |       |       |       | 15.9       | 11.8         | 12.0           |
| (E) 080-100            | .7                   | 4.7  | 4.0   | 2.0   | 1.7   |       |       |       |       |       |       | 13.2       | 11.1         | 10.0           |
| 110-130                | 1.5                  | 1.2  | 1.0   | .2    |       |       |       |       |       |       |       | 4.0        | 6.9          | 6.0            |
| 140-160                | 1.0                  | 2.0  | .5    | .2    |       |       |       |       |       |       |       | 3.7        | 6.7          | 6.0            |
| (S) 170-190            | 2.2                  | 2.7  | 2.5   | 1.5   | .7    |       |       |       |       |       |       | 9.7        | 9.4          | 8.0            |
| 200-220                | 1.0                  | 4.2  | 2.0   | 2.0   | 1.5   | .2    |       |       |       |       |       | 10.9       | 10.9         | 10.0           |
| 230-250                | .2                   | 3.0  | 2.0   | 1.0   | 1.2   | .2    |       |       |       |       |       | 7.7        | 11.9         | 10.0           |
| (W) 260-280            | 1.0                  | .5   | 1.7   | .5    | .5    |       |       |       |       |       |       | 4.2        | 10.7         | 12.0           |
| 290-310                | .7                   | 1.5  | .7    |       |       |       |       |       |       |       |       | 3.0        | 6.6          | 6.0            |
| 320-340                | 1.0                  | .7   |       |       |       |       |       |       |       |       |       | 1.7        | 4.1          | 4.0            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 13.6       | ////         | ////           |
| TOTALS                 | 11.0                 | 30.1 | 24.8  | 11.6  | 7.6   | .6    |       |       |       |       |       | 100.0      | 8.7          | 10.0           |

TOTAL NUMBER OF OBSERVATIONS 403



OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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                      | .5                                   | 3.8  | 4.0   | 1.3   |       |       |       |       |       |       |       | 9.6        | 9.7                              | 10.0           |
| 020-040                          | .5                                   | .8   | 5.6   | 2.3   | .3    |       |       |       |       |       |       | 9.3        | 11.6                             | 10.0           |
| 050-070                          | .8                                   | 1.5  | 5.1   | 1.5   | 2.0   | .8    |       |       |       |       | .3    | 11.9       | 14.6                             | 12.0           |
| (E) 080-100                      | .5                                   | 1.0  | 3.8   | 1.5   | 1.0   |       | .3    |       |       |       |       | 8.1        | 13.3                             | 12.0           |
| 110-130                          | .5                                   | .5   | 1.0   | .3    | .3    |       |       |       |       |       |       | 2.5        | 9.8                              | 10.0           |
| 140-160                          |                                      | .5   | .3    |       | .3    |       |       |       |       |       |       | 1.0        | 11.3                             | 9.0            |
| (S) 170-190                      | .3                                   | .5   | .8    | .8    | .3    |       | .3    |       |       |       |       | 2.8        | 13.7                             | 12.0           |
| 200-220                          | .5                                   | 3.5  | 3.5   | 2.5   | 2.3   |       | .5    |       |       |       |       | 12.9       | 13.0                             | 12.0           |
| 230-250                          | 1.3                                  | 3.0  | 2.8   | 2.0   | 1.0   | .3    |       |       |       |       |       | 10.4       | 10.8                             | 10.0           |
| (W) 260-280                      | 1.0                                  | 4.8  | 1.3   | 1.0   | .5    |       |       |       |       |       |       | 8.6        | 8.5                              | 6.0            |
| 290-310                          | 1.8                                  | 4.0  | 2.0   |       |       |       |       |       |       |       |       | 7.8        | 7.2                              | 7.0            |
| 320-340                          | 1.0                                  | 4.5  | 2.3   | 1.0   |       |       |       |       |       |       |       | 8.8        | 8.3                              | 8.0            |
| VARIABLE                         |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                             | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 6.3        | //////////////////////////////// |                |
| TOTALS                           | 8.7                                  | 28.4 | 32.5  | 14.2  | 8.0   | 1.1   | 1.1   |       |       |       | .3    | 100.0      | 10.4                             | 10.0           |
| TOTAL NUMBER OF OBSERVATIONS 396 |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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                      | 1.2                                  | 5.2  | 5.4   | 1.4   |       |       |       |       |       |       |       | 13.1       | 9.1                              | 10.0           |
| 020-040                          | 1.4                                  | 4.7  | 8.7   | 1.6   | .2    |       |       |       |       |       |       | 16.7       | 10.2                             | 10.0           |
| 050-070                          | .7                                   | 3.3  | 5.2   | 1.9   | 1.6   | .2    |       |       |       |       |       | 12.9       | 12.1                             | 12.0           |
| (E) 080-100                      | 1.2                                  | .9   | 2.8   | 1.9   | 1.2   | .5    |       |       |       |       |       | 8.5        | 12.8                             | 13.0           |
| 110-130                          |                                      |      | .2    | .2    |       |       |       |       |       |       |       | .5         | 13.5                             | 13.5           |
| 140-160                          | .7                                   | .7   | .2    |       |       |       |       |       |       |       |       | 1.6        | 5.4                              | 5.0            |
| (S) 170-190                      | .5                                   | 1.4  | .9    | .5    | .9    | .2    |       |       |       |       |       | 4.5        | 12.6                             | 10.0           |
| 200-220                          | .5                                   | 4.0  | 3.3   | 1.2   | 1.4   |       | .2    |       |       |       |       | 10.6       | 11.0                             | 10.0           |
| 230-250                          | 1.6                                  | 3.5  | 1.6   | 2.3   | .7    | .2    | .5    |       |       |       |       | 10.6       | 11.4                             | 10.0           |
| (W) 260-280                      | .5                                   | 1.4  | 1.4   | .7    |       |       |       |       |       |       |       | 4.0        | 9.4                              | 10.0           |
| 290-310                          | .9                                   | 4.0  | .7    | .5    |       |       |       |       |       |       |       | 6.1        | 6.7                              | 5.0            |
| 320-340                          | .5                                   | 2.3  | 1.4   | .2    |       |       |       |       |       |       |       | 4.5        | 8.2                              | 8.0            |
| VARIABLE                         |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CAIM                             | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 6.6        | //////////////////////////////// |                |
| TOTALS                           | 9.7                                  | 31.4 | 31.8  | 12.4  | 6.0   | 1.1   | .7    |       |       |       |       | 100.0      | 9.8                              | 10.0           |
| TOTAL NUMBER OF OBSERVATIONS 426 |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 MONTH: JUL 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                       | .5                                   | 4.2  | 3.2   | .8    |       |       |       |       |       |       |            | 8.8          | 8.9                              | 8.0   |
| 020-040                           | 1.3                                  | 4.2  | 6.0   | 1.4   | .1    |       |       |       |       |       |            | 13.0         | 9.5                              | 10.0  |
| 050-070                           | 1.2                                  | 3.6  | 5.3   | 2.3   | 1.7   | .3    |       |       |       |       | .1         | 14.4         | 12.0                             | 12.0  |
| (E) 080-100                       | 1.0                                  | 2.7  | 3.4   | 1.7   | 1.1   | .1    | .1    |       |       |       |            | 10.1         | 11.3                             | 10.0  |
| 110-130                           | .7                                   | .7   | .7    | .2    | .1    |       |       |       |       |       |            | 2.4          | 8.2                              | 8.0   |
| 140-160                           | .7                                   | 1.2  | .2    | .1    | .1    |       |       |       |       |       |            | 2.2          | 6.5                              | 5.0   |
| (S) 170-190                       | .8                                   | 1.6  | 1.4   | .9    | .9    | .1    | .1    |       |       |       |            | 5.8          | 11.4                             | 10.0  |
| 200-220                           | .7                                   | 3.6  | 2.7   | 1.8   | 1.6   | .1    | .2    |       |       |       |            | 10.7         | 11.7                             | 10.0  |
| 230-250                           | 1.1                                  | 3.0  | 2.3   | 1.8   | .8    | .2    | .1    |       |       |       |            | 9.4          | 11.1                             | 10.0  |
| (W) 260-280                       | .6                                   | 2.4  | 1.3   | .7    | .3    | .1    | .1    |       |       |       |            | 5.5          | 9.6                              | 8.0   |
| 290-310                           | 1.2                                  | 2.5  | 1.0   | .1    | .1    |       |       |       |       |       |            | 4.9          | 6.9                              | 6.0   |
| 320-340                           | .6                                   | 2.1  | .9    | .3    |       |       |       |       |       |       |            | 3.9          | 7.8                              | 7.5   |
| VARIABLE                          |                                      |      |       |       |       |       |       |       |       |       |            |              |                                  |       |
| CALM                              | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |            | 9.1          | //////////////////////////////// |       |
| TOTALS                            | 10.4                                 | 31.8 | 28.4  | 12.1  | 6.8   | .9    | .6    |       |       |       | .1         | 100.0        | 9.3                              | 10.0  |
| TOTAL NUMBER OF OBSERVATIONS 1651 |                                      |      |       |       |       |       |       |       |       |       |            |              |                                  |       |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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            | .6                   | 2.9  | 3.7   | 1.2   |       |       |       |       |       |       |       | 8.4        | 9.4          | 10.0           |
| 020-040                | 1.0                  | 3.9  | 5.3   | 2.3   |       |       |       |       |       |       |       | 12.5       | 9.9          | 10.0           |
| 050-070                | 1.0                  | 2.9  | 4.3   | .4    | 1.0   | .4    |       |       |       |       |       | 10.0       | 11.5         | 12.0           |
| (E) 080-100            | .6                   | 1.2  | 1.2   | .4    |       |       |       |       |       |       |       | 3.5        | 8.5          | 8.0            |
| 110-130                | .6                   | .6   | .4    | .2    |       |       |       |       |       |       |       | 1.8        | 7.0          | 6.0            |
| 140-160                | .2                   | 1.4  | .4    |       | .2    |       |       |       |       |       |       | 2.3        | 8.6          | 8.0            |
| (S) 170-190            | 1.4                  | 1.6  | 1.8   | 2.0   | .4    | .2    | .2    |       |       |       |       | 7.8        | 11.7         | 10.5           |
| 200-220                | 1.0                  | 2.5  | 2.9   | 2.0   | 2.3   | .2    | .2    |       |       |       |       | 11.1       | 12.7         | 10.0           |
| 230-250                | 1.2                  | 4.5  | 2.9   | 1.8   | 1.8   | .4    | .4    |       |       |       |       | 13.1       | 11.7         | 10.0           |
| (W) 26- 80             | .4                   | 3.9  | 3.3   | 1.4   | .6    | .2    |       |       |       |       |       | 9.8        | 10.4         | 10.0           |
| 290-310                | .8                   | 3.9  | 2.7   | .4    | .2    |       |       |       |       |       |       | 8.0        | 8.6          | 8.0            |
| 320-340                | .6                   | 2.0  | 1.0   |       |       |       |       |       |       |       |       | 3.7        | 7.1          | 7.0            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 8.0        | ////         | ////           |
| TOTALS                 | 9.4                  | 31.3 | 29.9  | 12.1  | 6.5   | 1.4   | .8    |       |       |       |       | 100.0      | 9.6          | 10.0           |

TOTAL NUMBER OF OBSERVATIONS 488

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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            | .7                   | 2.3  | 1.6   |       |       |       |       |       |       |       |       | 4.5        | 7.6          | 8.0            |
| 020-040                | 1.8                  | 5.6  | 2.9   | .2    |       |       |       |       |       |       |       | 10.6       | 7.3          | 6.0            |
| 050-070                | .7                   | 5.9  | 4.3   | 2.7   | 1.1   | .2    |       |       |       |       |       | 14.9       | 10.6         | 10.0           |
| (E) 080-100            | 2.5                  | 6.3  | 2.3   | 2.3   | .5    |       |       |       |       |       |       | 13.8       | 8.3          | 7.0            |
| 110-130                | 1.1                  | 1.4  |       |       |       |       |       |       |       |       |       | 2.5        | 4.9          | 5.0            |
| 140-160                | 1.4                  | 2.9  | .9    | .2    |       |       |       |       |       |       |       | 5.4        | 6.5          | 5.0            |
| (S) 170-190            | .9                   | 1.1  | 2.5   | .7    | .7    | .5    | .5    |       |       |       |       | 6.8        | 12.9         | 10.5           |
| 200-220                | .2                   | 2.5  | 2.3   | .9    | 1.1   | .7    | .5    |       |       |       |       | 8.1        | 13.8         | 12.0           |
| 230-250                | 1.6                  | 2.0  | 2.5   | .9    | 1.4   | .2    |       |       |       |       |       | 8.6        | 11.0         | 10.0           |
| (W) 260-280            | 1.1                  | 2.7  | 1.6   | 1.1   | .2    | .2    |       |       |       |       |       | 7.0        | 9.5          | 8.0            |
| 290-310                | .5                   | 1.6  | .7    |       | .2    |       |       |       |       |       |       | 2.9        | 7.6          | 6.0            |
| 320-340                | .9                   | 1.4  | 1.1   |       | .2    |       |       |       |       |       |       | 3.6        | 7.6          | 6.0            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 11.3       | ////         | ////           |
| TOTALS                 | 13.4                 | 35.7 | 22.7  | 9.0   | 5.4   | 1.8   | 1.0   |       |       |       |       | 100.0      | 8.4          | 8.0            |

TOTAL NUMBER OF OBSERVATIONS 443

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 MONTH: AUG 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                                   | 1.8  | .8    | .3    |       |       |       |       |       |       |            | 3.6                              | 7.4            | 6.0   |
| 020-040                | .8                                   | 2.6  | 4.6   | 1.3   |       |       |       |       |       |       |            | 9.2                              | 9.6            | 10.0  |
| 050-070                | 2.3                                  | 4.3  | 4.1   | 3.3   | 1.5   |       |       |       |       |       |            | 15.6                             | 10.4           | 10.0  |
| (E) 080-100            | 1.5                                  | 3.8  | 2.6   | 2.0   | .5    |       |       |       |       |       |            | 10.5                             | 9.5            | 9.0   |
| 110-130                | 2.0                                  | 3.1  | .8    |       |       |       |       |       |       |       |            | 5.9                              | 6.0            | 6.0   |
| 140-160                | .8                                   | 3.1  |       |       |       |       |       |       |       |       |            | 3.8                              | 5.1            | 5.0   |
| (S) 170-190            | 2.0                                  | 4.3  | 2.6   | .8    | .5    | .3    | .3    |       |       |       |            | 10.7                             | 9.7            | 8.0   |
| 200-220                | 1.0                                  | 3.1  | 1.5   | 1.3   | 2.0   |       |       |       | .3    |       |            | 9.2                              | 12.4           | 10.0  |
| 230-250                | .8                                   | 2.0  | 2.8   | .3    | 1.3   | .3    | .3    |       |       |       |            | 7.7                              | 12.0           | 11.0  |
| (W) 260-280            | .8                                   | 1.3  | 1.3   | .3    | .5    | .3    |       |       |       |       |            | 4.3                              | 10.5           | 10.0  |
| 290-310                | .8                                   | 1.5  | 1.3   | .3    | .3    |       |       |       |       |       |            | 4.1                              | 9.3            | 8.5   |
| 320-340                |                                      | 1.0  | 1.0   |       | .3    |       |       |       |       |       |            | 2.3                              | 10.1           | 10.0  |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |            |                                  |                |       |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       | 13.0       | //////////////////////////////// |                |       |
| TOTALS                 | 13.6                                 | 31.9 | 23.4  | 9.9   | 6.9   | .9    | .6    |       | .3    |       |            | 100.0                            | 8.5            | 8.0   |

TOTAL NUMBER OF OBSERVATIONS 391

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
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                      | 1.5                  | 3.6  | 3.4   | .7    | .2    |       |       |       |       |       |            | 9.4          | 8.7              | 8.0   |
| 020-040                          | .2                   | .7   | 3.9   | 1.9   |       |       |       |       |       |       |            | 6.8          | 11.5             | 10.0  |
| 050-070                          | .5                   | 2.4  | 3.6   | 2.9   | 1.7   | 1.0   |       |       |       |       |            | 12.1         | 13.6             | 12.5  |
| (E) 080-100                      | .2                   | 1.5  | 2.7   | 1.2   | .5    | .2    |       |       |       |       |            | 6.3          | 11.9             | 11.0  |
| 110-130                          | .2                   | 1.0  | .5    | .2    |       |       |       |       |       |       |            | 1.9          | 8.9              | 6.0   |
| 140-160                          | .2                   | .5   | .2    |       |       | .2    |       |       |       |       |            | 1.2          | 11.0             | 8.0   |
| (S) 170-190                      | 1.5                  | 1.5  | 1.9   | .5    | .2    |       |       |       |       |       |            | 5.6          | 8.4              | 8.0   |
| 200-220                          | .7                   | 4.6  | 3.4   | 1.0   | .7    | .2    | .5    |       |       |       |            | 11.1         | 11.1             | 10.0  |
| 230-250                          | 2.9                  | 4.1  | 5.1   | 1.0   | 1.5   | .5    | .2    |       |       |       |            | 15.3         | 10.2             | 10.0  |
| (W) 260-280                      | 1.0                  | 4.6  | 1.7   | .5    | .2    | .2    |       |       |       | .2    |            | 8.5          | 10.2             | 8.0   |
| 290-310                          | 2.2                  | 2.2  | 1.0   |       | .5    |       |       |       |       |       |            | 5.8          | 7.0              | 5.5   |
| 320-340                          | 1.5                  | 4.4  | 3.4   |       |       |       |       |       |       |       |            | 9.2          | 7.5              | 8.0   |
| VARIABLE                         |                      |      |       |       |       |       |       |       |       |       |            |              |                  |       |
| CATM                             | //////////////////// |      |       |       |       |       |       |       |       |       |            | 6.8          | //////////////// |       |
| TOTALS                           | 12.6                 | 31.1 | 30.8  | 9.9   | 5.5   | 2.3   | .7    |       |       | .2    |            | 100.0        | 9.5              | 10.0  |
| TOTAL NUMBER OF OBSERVATIONS 413 |                      |      |       |       |       |       |       |       |       |       |            |              |                  |       |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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            | 2.3                                  | 5.4  | 4.4   | .2    |       |       |       |       |       |       |       | .2         | 12.6                             | 8.6            | 8.0  |
| 020-040                | 1.9                                  | 3.0  | 4.9   | 1.2   | .5    | .2    |       |       |       |       |       |            | 11.7                             | 9.8            | 10.0 |
| 050-070                | 1.4                                  | 3.0  | 4.4   | 2.8   | .7    | .2    |       |       |       |       |       | .2         | 12.9                             | 12.2           | 10.0 |
| (E) 080-100            | .7                                   | 2.3  | 2.8   | .9    | .7    |       |       |       |       |       |       |            | 7.5                              | 10.5           | 10.0 |
| 110-130                |                                      | .9   | .5    |       |       |       |       |       |       |       |       |            | 1.4                              | 8.7            | 8.0  |
| 140-160                | .2                                   | .9   | .2    |       |       |       |       |       |       |       |       |            | 1.4                              | 6.0            | 6.0  |
| (S) 170-190            | .2                                   | 2.3  | 1.4   | 1.4   | .9    |       |       |       |       |       |       |            | 6.3                              | 12.2           | 10.0 |
| 200-220                | 2.3                                  | 2.8  | 2.1   | 2.6   | .9    | .5    |       |       |       | .2    |       |            | 11.5                             | 11.8           | 10.0 |
| 230-250                | 1.2                                  | 2.6  | 1.9   | .5    | .7    | .2    | .2    |       |       |       |       |            | 7.3                              | 10.5           | 8.0  |
| (W) 260-280            | .7                                   | 1.9  | 1.2   | .9    | .5    |       |       |       |       |       |       |            | 5.2                              | 10.3           | 9.0  |
| 290-310                | 2.3                                  | 1.9  | .9    | .2    | .2    |       |       | .2    |       |       |       |            | 5.9                              | 8.1            | 6.0  |
| 320-340                | 2.3                                  | 2.6  | 2.6   |       |       |       |       |       |       |       |       |            | 7.5                              | 7.3            | 8.0  |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |      |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 8.9        | //////////////////////////////// |                |      |
| TOTALS                 | 15.5                                 | 29.6 | 27.3  | 10.7  | 5.1   | 1.1   | .2    | .2    |       | .2    | .4    |            | 100.0                            | 9.2            | 10.0 |

TOTAL NUMBER OF OBSERVATIONS 427



OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 MONTH: AUG 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            | 1.3                                  | 3.3  | 2.6   | .3    | .1    |       |       |       |       |       | .1    | 7.6        | 8.4                              | 6.0            |
| 020-040                | 1.2                                  | 3.0  | 4.1   | 1.1   | .1    | .1    |       |       |       |       |       | 9.6        | 9.3                              | 10.0           |
| 050-070                | 1.2                                  | 3.9  | 4.1   | 2.9   | 1.3   | .4    |       |       |       |       | .1    | 13.9       | 11.6                             | 10.0           |
| (E) 080-100            | 1.3                                  | 3.5  | 2.6   | 1.6   | .5    | .1    |       |       |       |       |       | 9.6        | 9.6                              | 9.5            |
| 110-130                | .8                                   | 1.6  | .4    | .1    |       |       |       |       |       |       |       | 2.9        | 6.6                              | 6.0            |
| 140-160                | .7                                   | 1.9  | .4    | .1    |       | .1    |       |       |       |       |       | 3.0        | 6.5                              | 5.0            |
| (S) 170-190            | 1.1                                  | 2.3  | 2.1   | .8    | .6    | .2    | .2    |       |       |       |       | 7.3        | 10.8                             | 10.0           |
| 200-220                | 1.1                                  | 3.2  | 2.3   | 1.4   | 1.2   | .4    | .2    |       | .1    | .1    |       | 10.0       | 12.2                             | 10.0           |
| 230-250                | 1.6                                  | 2.7  | 3.0   | .7    | 1.2   | .3    | .2    |       |       |       |       | 9.7        | 10.8                             | 10.0           |
| (W) 260-280            | .9                                   | 2.6  | 1.4   | .7    | .4    | .2    |       |       |       | .1    |       | 6.3        | 10.1                             | 8.0            |
| 290-310                | 1.4                                  | 1.8  | 1.0   | .1    | .3    |       |       | .1    |       |       |       | 4.7        | 7.9                              | 6.0            |
| 320-340                | 1.2                                  | 2.3  | 2.0   |       | .1    |       |       |       |       |       |       | 5.7        | 7.7                              | 8.0            |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 10.0       | //////////////////////////////// |                |
| TOTALS                 | 13.8                                 | 32.1 | 26.0  | 9.8   | 5.8   | 1.8   | .6    | .1    | .1    | .2    | .2    | 100.0      | 8.9                              | 9.0            |

TOTAL NUMBER OF OBSERVATIONS 1674

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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<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                                  | 3.9  | 3.9   | .7    | .1    |       |       |       |       |       |       | .1         | 10.2                             | 9.6            | 8.5  |
| 020-040                | .7                                   | 3.6  | 5.2   | 1.0   |       |       |       |       |       |       |       |            | 10.6                             | 9.2            | 10.0 |
| 050-070                | .6                                   | 3.9  | 4.5   | 2.5   | 1.3   | .1    |       |       |       |       |       |            | 13.0                             | 11.5           | 10.0 |
| (E) 080-100            | .9                                   | 2.4  | 2.1   | 1.8   | .3    |       |       |       |       |       |       |            | 7.5                              | 9.9            | 10.0 |
| 110-130                | .4                                   | 1.0  | .1    |       |       |       |       |       |       |       |       |            | 1.6                              | 5.8            | 6.0  |
| 140-160                | .4                                   | .9   | .3    | .1    |       | .1    |       |       |       |       |       |            | 1.9                              | 8.2            | 6.0  |
| (S) 170-190            | .6                                   | 1.9  | 1.8   | 1.3   | .7    | .1    |       |       |       |       |       |            | 6.6                              | 11.6           | 11.0 |
| 200-220                | .7                                   | 2.2  | 2.7   | 2.2   | 1.8   | .4    | .6    |       | .1    | .1    |       |            | 11.1                             | 15.0           | 14.0 |
| 230-250                | 1.8                                  | 2.8  | 3.7   | .9    | 1.9   | .4    | .4    |       |       |       |       |            | 12.1                             | 12.0           | 10.0 |
| (W) 260-280            | .7                                   | 2.2  | 2.2   | .9    | .4    | .4    |       |       |       |       |       |            | 7.0                              | 11.2           | 10.0 |
| 290-310                | 1.6                                  | 1.6  | 1.3   | .1    | .6    |       |       | .1    |       |       |       |            | 5.5                              | 9.2            | 8.0  |
| 320-340                | .4                                   | 2.1  | 2.4   |       | .1    |       |       |       |       |       |       |            | 5.1                              | 8.6            | 9.5  |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |      |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 7.8        | //////////////////////////////// |                |      |
| TOTALS                 | 10.1                                 | 28.5 | 30.2  | 11.5  | 7.2   | 1.5   | 1.0   | .1    | .1    | .1    | .1    | .1         | 100.0                            | 10.1           | 10.0 |

TOTAL NUMBER OF OBSERVATIONS 669

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JA, ' 73 - SEP 88  
 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            | .7                                   | 1.7  | 1.0   | .7    |       |       |       |       |       |       |       | 4.1        | 8.7                              | 8.0            |
| 020-040                | 3.1                                  | 6.3  | 6.0   | 2.2   | 1.2   |       |       |       |       |       |       | 18.8       | 9.5                              | 9.0            |
| 050-070                | 1.9                                  | 6.5  | 7.2   | 2.7   | .7    | .2    |       |       |       |       |       | 19.3       | 10.1                             | 10.0           |
| (E) 080-100            | 2.4                                  | 2.2  | 1.7   | 1.0   | .7    | .2    |       |       |       |       |       | 8.2        | 9.5                              | 8.5            |
| 110-130                | .5                                   | 2.2  |       |       | .2    |       |       |       |       |       |       | 2.9        | 7.2                              | 6.0            |
| 140-160                | 1.7                                  | 1.9  | 1.9   |       |       |       |       |       |       |       |       | 5.5        | 7.0                              | 6.0            |
| (S) 170-190            | 1.2                                  | 2.7  | 1.7   | 1.2   |       | .2    | .2    |       |       |       |       | 7.2        | 10.5                             | 8.5            |
| 200-220                | 1.2                                  | 1.4  | 1.0   | 1.2   | .7    |       | .2    |       |       |       |       | 5.8        | 11.1                             | 10.0           |
| 230-250                | .2                                   | 1.2  | 1.4   | 1.0   | .7    |       |       |       |       |       |       | 4.6        | 12.7                             | 12.0           |
| (W) 260-280            |                                      | 1.0  | 1.9   | .5    | .5    | .2    |       |       |       |       |       | 4.1        | 12.9                             | 12.0           |
| 290-310                | .2                                   | .7   | 2.2   | .5    | .2    |       |       |       |       |       |       | 3.9        | 10.5                             | 10.0           |
| 320-340                | .7                                   | 1.2  | .2    | .7    |       |       |       |       |       |       |       | 2.9        | 8.4                              | 7.0            |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 12.8       | //////////////////////////////// |                |
| TOTALS                 | 13.8                                 | 29.0 | 26.2  | 11.7  | 4.9   | .8    | .4    |       |       |       |       | 100.0      | 8.6                              | 10.0           |

TOTAL NUMBER OF OBSERVATIONS 415

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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                      | 1.0                                  | 2.4  | 1.7   | .2    | .5    | .2    |       |       |       |       |       | 6.1        | 9.3                              | 8.0            |
| 020-040                          | 1.5                                  | 5.6  | 4.4   | 3.6   | 1.2   | .2    |       |       |       |       |       | 16.5       | 10.7                             | 10.0           |
| 050-070                          | 3.2                                  | 4.9  | 6.1   | 2.9   | 3.6   | .5    |       |       |       |       |       | 21.2       | 11.3                             | 10.0           |
| (E) 080-100                      | 2.4                                  | 4.4  | 2.7   | .5    | .5    | .2    |       |       |       |       |       | 10.7       | 8.3                              | 8.0            |
| 110-130                          | 1.2                                  | 1.9  | 1.5   | .2    |       |       |       |       |       |       |       | 4.9        | 7.3                              | 6.5            |
| 140-160                          | .5                                   | 1.7  | 1.2   |       |       |       |       |       |       |       |       | 3.4        | 7.9                              | 8.0            |
| (S) 170-190                      | .5                                   | 1.7  | 1.2   | 1.5   | 1.2   | .5    |       |       |       |       |       | 6.6        | 13.1                             | 13.0           |
| 200-220                          | .7                                   | 1.0  | .7    | .7    | .2    | .2    | .2    |       |       |       |       | 3.9        | 12.2                             | 10.0           |
| 230-250                          | .2                                   | 1.2  | 1.5   | .5    | 1.2   |       |       |       |       |       |       | 4.6        | 12.2                             | 10.0           |
| (W) 260-280                      | .2                                   | 1.9  | 2.4   | .5    | .2    |       | .2    |       |       |       |       | 5.6        | 11.1                             | 10.0           |
| 290-310                          | .2                                   | 1.2  | .7    | .2    |       |       | .2    |       |       |       |       | 2.7        | 11.7                             | 8.0            |
| 320-340                          | .5                                   | .7   | .7    | .2    | .5    |       |       |       |       |       |       | 2.7        | 10.5                             | 10.0           |
| VARIABLE                         |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                             | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 11.2       | //////////////////////////////// |                |
| TOTALS                           | 12.1                                 | 28.6 | 24.8  | 11.0  | 9.1   | 1.8   | .6    |       |       |       |       | 100.0      | 9.4                              | 10.0           |
| TOTAL NUMBER OF OBSERVATIONS 411 |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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                      | 1.0                  | 3.9  | 2.2   | .7    | .2    |       |       |       |       |       |       | 8.1        | 8.5          | 8.0            |
| 020-040                          | 1.2                  | 5.7  | 5.2   | 2.2   | 1.5   | .5    | .2    |       |       |       |       | 16.5       | 11.2         | 10.0           |
| 050-070                          | 1.5                  | 4.9  | 6.7   | 3.4   | 3.9   | .7    |       |       |       |       |       | 21.2       | 12.8         | 12.0           |
| (E) 080-100                      | .5                   | 2.7  | 2.0   | .5    | 1.5   |       |       |       |       |       |       | 7.1        | 11.2         | 10.0           |
| 110-130                          | .5                   | 1.0  | .7    |       |       |       |       |       |       |       |       | 2.2        | 7.0          | 7.0            |
| 140-160                          | 1.2                  | 1.5  | .2    | .5    | .2    |       |       |       |       |       |       | 3.7        | 7.7          | 6.0            |
| (S) 170-190                      | 1.0                  | 2.7  | 1.0   | .2    | 1.2   |       |       |       |       |       |       | 6.2        | 9.8          | 7.0            |
| 200-220                          | 1.0                  | 2.2  | 1.2   | 2.0   | .5    | .2    |       |       |       |       |       | 7.1        | 11.3         | 10.0           |
| 230-250                          | 1.5                  | 1.0  | 3.0   | .5    | .5    | .2    |       |       |       |       |       | 6.7        | 10.4         | 10.0           |
| (W) 260-280                      | .7                   | 1.2  | 1.7   | .7    | .5    | .2    |       |       |       | .2    |       | 5.4        | 13.4         | 10.0           |
| 290-310                          | .2                   | 1.0  | 1.7   | .2    |       |       |       |       |       |       |       | 3.2        | 9.3          | 10.0           |
| 320-340                          | .7                   | 2.2  | 1.0   |       | .2    | .2    |       |       |       |       |       | 4.4        | 8.8          | 7.0            |
| VARIABLE                         |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                             | //////////////////// |      |       |       |       |       |       |       |       |       |       | 8.1        | ////         | ////           |
| TOTALS                           | 11.0                 | 30.0 | 26.6  | 10.9  | 10.2  | 2.0   | .2    |       |       | .2    |       | 100.0      | 10.0         | 10.0           |
| TOTAL NUMBER OF OBSERVATIONS 406 |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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            | 1.9                                  | 2.3  | 1.2   | .5    |       |       |       |       |       |       |       | 5.9        | 7.2                              | 6.0            |
| 020-040                | 3.5                                  | 8.9  | 5.4   | 3.1   | 2.6   | .2    | .2    |       |       |       |       | 23.9       | 10.3                             | 8.0            |
| 050-070                | 1.9                                  | 5.2  | 5.6   | 2.6   | 2.3   | 1.6   |       |       |       |       |       | 19.2       | 12.3                             | 12.0           |
| (E) 080-100            | 1.2                                  | 2.8  | .5    | .7    | .2    |       |       |       |       |       |       | 5.4        | 8.6                              | 8.0            |
| 110-130                | .7                                   | 1.2  |       |       |       |       |       |       |       |       |       | 1.9        | 5.1                              | 5.0            |
| 140-160                | .7                                   | .9   | .7    |       |       |       |       |       |       |       |       | 2.3        | 6.5                              | 6.0            |
| (S) 170-190            | .7                                   | 1.4  | 1.9   | .5    | .2    |       | .2    |       |       |       |       | 4.9        | 10.7                             | 10.0           |
| 200-220                | .5                                   | 1.2  | 1.4   | 1.4   | .9    | .2    |       |       |       |       |       | 5.6        | 13.1                             | 13.0           |
| 230-250                | .7                                   | 1.6  | 1.6   | .7    | .9    | .2    |       |       |       |       |       | 5.9        | 11.7                             | 10.0           |
| (W) 260-280            | .7                                   | 1.4  | 1.9   | .5    | .7    | .5    |       |       |       |       |       | 5.6        | 12.1                             | 11.5           |
| 290-310                | .5                                   | 1.2  | 1.6   | .5    | .5    |       |       |       |       |       |       | 4.2        | 10.0                             | 10.0           |
| 320-340                | .2                                   | 1.6  | .7    | .2    |       |       |       |       |       |       |       | 2.8        | 8.2                              | 6.0            |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 12.2       | //////////////////////////////// |                |
| TOTALS                 | 13.2                                 | 29.7 | 22.5  | 10.7  | 8.3   | 2.7   | .4    |       |       |       |       | 100.0      | 9.3                              | 10.0           |

TOTAL NUMBER OF OBSERVATIONS 426

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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                       | 1.1                  | 2.6  | 1.5   | .5    | .2    | .1    |       |       |       |       |       | 6.0        | 8.4          | 8.0            |
| 020-040                           | 2.4                  | 6.6  | 5.2   | 2.8   | 1.6   | .2    | .1    |       |       |       |       | 19.0       | 10.4         | 10.0           |
| 050-070                           | 2.1                  | 5.4  | 6.4   | 2.9   | 2.7   | .8    |       |       |       |       |       | 20.2       | 11.7         | 10.0           |
| (E) 080-100                       | 1.6                  | 3.0  | 1.7   | .7    | .7    | .1    |       |       |       |       |       | 7.8        | 9.3          | 8.0            |
| 110-130                           | .7                   | 1.6  | .5    | .1    | .1    |       |       |       |       |       |       | 3.0        | 6.8          | 6.0            |
| 140-160                           | 1.0                  | 1.5  | 1.0   | .1    | .1    |       |       |       |       |       |       | 3.7        | 7.3          | 6.0            |
| (S) 170-190                       | .8                   | 2.1  | 1.4   | .8    | .7    | .2    | .1    |       |       |       |       | 6.2        | 11.1         | 10.0           |
| 200-220                           | .8                   | 1.4  | 1.1   | 1.3   | .6    | .2    | .1    |       |       |       |       | 5.6        | 11.9         | 10.0           |
| 230-250                           | .7                   | 1.3  | 1.9   | .7    | .8    | .1    |       |       |       |       |       | 5.4        | 11.6         | 10.0           |
| (W) 260-280                       | .4                   | 1.4  | 2.0   | .5    | .5    | .2    | .1    |       |       | .1    |       | 5.2        | 12.3         | 10.0           |
| 290-310                           | .3                   | 1.0  | 1.6   | .4    | .2    |       | .1    |       |       |       |       | 3.5        | 10.3         | 10.0           |
| 320-340                           | .5                   | 1.4  | .7    | .3    | .2    | .1    |       |       |       |       |       | 3.2        | 8.9          | 8.0            |
| VARIABLE                          |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                              | //////////////////// |      |       |       |       |       |       |       |       |       |       | 11.1       | ////         | ////           |
| TOTALS                            | 12.4                 | 29.3 | 25.0  | 11.1  | 8.4   | 2.0   | .5    |       |       | .1    |       | 100.0      | 9.3          | 10.0           |
| TOTAL NUMBER OF OBSERVATIONS 1658 |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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<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                                  | 2.7  | 1.9   | .9    | .4    | .1    |       |       |       |       |       | 7.3        | 9.4                              | 8.0            |
| 020-040                | 1.5                                  | 6.8  | 5.9   | 3.7   | 2.0   | .3    | .1    |       |       |       |       | 20.3       | 11.0                             | 10.0           |
| 050-070                | 1.3                                  | 3.5  | 7.4   | 3.3   | 2.6   | .6    |       |       |       |       |       | 18.7       | 12.6                             | 12.0           |
| (E) 080-100            | 1.0                                  | 2.4  | 1.2   | .4    | .4    |       |       |       |       |       |       | 5.4        | 8.7                              | 8.0            |
| 110-130                | 1.0                                  | 1.3  | .4    |       |       |       |       |       |       |       |       | 2.7        | 5.8                              | 5.0            |
| 140-160                | .6                                   | .8   | .9    |       |       |       |       |       |       |       |       | 2.3        | 6.9                              | 6.5            |
| (S) 170-190            | .6                                   | 1.2  | 1.5   | .9    | 1.0   | .4    |       |       |       |       |       | 5.6        | 12.8                             | 10.0           |
| 200-220                | .8                                   | 1.2  | 1.4   | 1.4   | .6    | .1    | .3    |       |       |       |       | 5.8        | 12.7                             | 10.0           |
| 230-250                | .6                                   | 1.7  | 2.3   | .9    | 1.0   | .1    |       |       |       |       |       | 6.6        | 11.6                             | 10.0           |
| (W) 260-280            | .3                                   | 2.2  | 3.1   | .6    | .8    | .4    | .1    |       |       | .1    |       | 7.5        | 13.0                             | 10.0           |
| 290-310                |                                      | 1.2  | 2.4   | .5    | .1    |       | .1    |       |       |       |       | 4.3        | 11.0                             | 10.0           |
| 320-340                | .5                                   | 1.9  | 1.2   | .5    | .4    | .1    |       |       |       |       |       | 4.6        | 9.9                              | 8.0            |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 8.8        | //////////////////////////////// |                |
| TOTALS                 | 9.5                                  | 26.9 | 29.6  | 13.1  | 9.3   | 2.1   | .6    |       |       | .1    |       | 100.0      | 10.2                             | 10.0           |

TOTAL NUMBER OF OBSERVATIONS 782



OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 MONTH: OCT 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                      | 1.3                                  | 1.9  | 1.1   | .3    | .3    |       |       |       |       |       |            | 4.8          | 7.6                              | 5.0   |
| 020-040                          | 1.9                                  | 8.3  | 6.4   | 3.7   | 4.0   | 2.4   | .3    |       |       |       |            | 26.9         | 13.0                             | 12.0  |
| 050-070                          | 1.6                                  | 5.1  | 6.7   | 3.7   | 3.5   | .5    | .8    |       |       |       |            | 21.9         | 13.0                             | 12.0  |
| (E) 080-100                      | 3.2                                  | 4.5  | 2.1   | 1.1   | .8    |       | .5    |       |       |       |            | 12.3         | 9.0                              | 6.0   |
| 110-130                          | 1.6                                  | 2.9  | .8    |       |       |       |       |       |       |       |            | 5.3          | 5.9                              | 5.5   |
| 140-160                          | 1.6                                  | 1.1  | .5    | .5    | .3    | .3    |       |       |       |       |            | 4.3          | 9.1                              | 5.5   |
| (S) 170-190                      | .8                                   | 1.3  | .3    |       | .5    |       |       |       |       |       |            | 2.9          | 9.4                              | 8.0   |
| 200-220                          | .3                                   | .8   | .3    |       | .8    | .3    |       |       |       |       |            | 2.4          | 14.1                             | 10.0  |
| 230-250                          |                                      | 1.1  | 1.1   |       |       |       |       |       |       |       |            | 2.1          | 9.1                              | 9.0   |
| (W) 260-280                      | .3                                   | 1.1  | .5    | .3    | .3    |       |       | .3    |       |       |            | 2.7          | 12.3                             | 9.0   |
| 290-310                          |                                      | .8   | 1.1   |       | .3    |       | .3    |       |       |       |            | 2.4          | 12.8                             | 10.0  |
| 320-340                          | .3                                   | 1.1  | .3    | .5    |       |       |       |       |       |       |            | 2.1          | 9.6                              | 8.5   |
| VARIABLE                         |                                      |      |       |       |       |       |       |       |       |       |            |              |                                  |       |
| CALM                             | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |            | 9.9          | //////////////////////////////// |       |
| TOTALS                           | 12.9                                 | 30.0 | 21.2  | 10.1  | 10.8  | 3.5   | 1.9   |       | .3    |       |            | 100.0        | 10.2                             | 10.0  |
| TOTAL NUMBER OF OBSERVATIONS 375 |                                      |      |       |       |       |       |       |       |       |       |            |              |                                  |       |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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                      | .5                                   | 1.1  | 1.9   | .8    |       |       |       |       |       |       |            | 4.3          | 9.8                              | 11.0  |
| 020-040                          | 2.2                                  | 6.7  | 6.2   | 4.0   | 4.8   | 1.1   | .3    |       |       |       |            | 25.3         | 12.6                             | 12.0  |
| 050-070                          | .8                                   | 5.9  | 3.8   | 5.1   | 3.2   | 2.4   | 1.1   |       |       |       |            | 22.3         | 14.9                             | 15.0  |
| (E) 080-100                      | 3.0                                  | 4.6  | 2.2   | .5    | .8    | .3    |       | .3    |       |       |            | 11.6         | 9.0                              | 6.0   |
| 110-130                          | 1.3                                  | 3.2  | .3    |       |       |       |       |       |       |       |            | 4.8          | 5.4                              | 5.0   |
| 140-160                          | 1.3                                  | 1.6  | 1.1   | .5    |       |       |       |       |       |       |            | 4.6          | 7.7                              | 6.0   |
| (S) 170-190                      | 1.3                                  | 1.1  |       |       | 1.3   |       |       |       |       |       |            | 3.8          | 10.3                             | 5.5   |
| 200-220                          |                                      | .5   | .5    |       | .3    |       |       |       |       |       |            | 1.3          | 10.2                             | 10.0  |
| 230-250                          |                                      | .3   | .3    |       | .5    | .3    |       |       |       |       |            | 1.3          | 17.8                             | 20.0  |
| (W) 260-280                      |                                      | 1.3  | 1.1   |       | .3    |       |       |       |       |       |            | 2.7          | 9.7                              | 9.0   |
| 290-310                          | .5                                   | 1.3  | 1.3   | .3    | .3    |       |       |       |       |       |            | 3.8          | 9.0                              | 9.5   |
| 320-340                          |                                      | 1.3  | .8    |       |       |       | .3    |       |       |       |            | 2.4          | 10.9                             | 9.0   |
| VARIABLE                         |                                      |      |       |       |       |       |       |       |       |       |            |              |                                  |       |
| CALM                             | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |            | 11.8         | //////////////////////////////// |       |
| TOTALS                           | 10.9                                 | 28.9 | 19.5  | 11.2  | 11.5  | 4.1   | 1.7   | .3    |       |       |            | 100.0        | 10.2                             | 10.0  |
| TOTAL NUMBER OF OBSERVATIONS 372 |                                      |      |       |       |       |       |       |       |       |       |            |              |                                  |       |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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            | .8                                   | 2.7  | 1.1   | .8    |       |       |       |       |       |       |            | 5.4          | 8.5                              | 8.0   |
| 020-040                | 1.9                                  | 5.1  | 5.9   | 4.6   | 4.9   | .8    | .8    |       |       |       | .3         | 24.3         | 14.4                             | 14.0  |
| 050-070                | 1.3                                  | 7.0  | 6.7   | 3.8   | 3.0   | 2.4   | 1.3   |       | .3    |       |            | 25.9         | 14.0                             | 12.0  |
| (E) 080-100            | 1.3                                  | 3.2  | 2.4   | .8    | .5    | .5    |       |       |       |       |            | 8.9          | 9.9                              | 8.0   |
| 110-130                | 1.9                                  | 2.4  | .5    |       |       |       |       |       |       |       |            | 4.9          | 5.6                              | 5.0   |
| 140-160                | 1.1                                  | 3.2  | .3    | .3    |       |       |       |       |       |       |            | 4.9          | 5.7                              | 5.0   |
| (S) 170-190            | 1.3                                  | 2.2  | .8    | 1.3   | .5    |       |       |       |       |       |            | 6.2          | 9.6                              | 8.0   |
| 200-220                | .8                                   | 1.1  | .5    |       |       |       |       |       |       |       |            | 2.4          | 6.4                              | 5.0   |
| 230-250                | .5                                   | .3   |       | .3    | .5    |       |       |       |       |       |            | 1.6          | 12.3                             | 13.0  |
| (W) 260-280            |                                      | .5   | 1.9   | .3    |       |       |       |       |       |       |            | 2.7          | 10.4                             | 10.0  |
| 290-310                |                                      | 1.1  | .5    | .3    | .3    |       |       |       | .3    |       |            | 2.4          | 13.8                             | 12.0  |
| 320-340                | .5                                   | 1.1  | .3    | .3    |       | .3    |       |       |       |       |            | 2.4          | 9.1                              | 6.0   |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |            |              |                                  |       |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |            | 8.1          | //////////////////////////////// |       |
| TOTALS                 | 11.4                                 | 29.9 | 20.9  | 12.8  | 9.7   | 4.0   | 2.1   |       | .6    |       | .3         | 100.0        | 10.8                             | 10.0  |

TOTAL NUMBER OF OBSERVATIONS 371

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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                  | .3                                   | 2.4  | .5    | .8    | .3    |       |       |       |       |       |       | 4.2        | 9.8                              | 8.0            |  |
| 020-040                      | 2.4                                  | 8.9  | 6.0   | 3.7   | 3.4   | 1.0   | .8    | .3    |       |       |       | 26.4       | 12.1                             | 10.0           |  |
| 050-070                      | 1.3                                  | 5.8  | 6.8   | 3.9   | 4.5   | 1.3   | .8    | .8    |       |       |       | 25.1       | 14.4                             | 12.0           |  |
| (E) 080-100                  | 3.1                                  | 5.8  | 1.3   | .3    | .3    |       | .3    |       |       |       |       | 11.0       | 7.2                              | 6.0            |  |
| 110-130                      | 1.0                                  | 2.1  | .5    |       |       |       |       |       |       |       |       | 3.7        | 6.1                              | 5.5            |  |
| 140-160                      | 1.6                                  | 1.6  | 1.0   |       | .3    |       |       |       |       |       |       | 4.5        | 7.3                              | 6.0            |  |
| (S) 170-190                  | .3                                   | 2.9  | .3    | .3    |       |       |       |       |       |       |       | 3.7        | 7.3                              | 6.0            |  |
| 200-220                      |                                      | 1.3  | 1.0   | .3    | .5    |       |       |       |       |       |       | 3.1        | 11.4                             | 10.0           |  |
| 230-250                      |                                      | .5   | .3    |       | .3    |       |       |       |       |       |       | 1.0        | 11.3                             | 9.0            |  |
| (W) 260-280                  | .3                                   | .3   | .8    | 1.0   | .3    |       |       |       |       |       |       | 2.6        | 13.1                             | 13.5           |  |
| 290-310                      | .3                                   | .3   | 1.0   | .5    | .3    |       |       |       |       |       |       | 2.4        | 12.1                             | 10.0           |  |
| 320-340                      | .5                                   | .3   | .5    | .5    | .3    |       |       |       |       |       |       | 2.1        | 11.1                             | 12.0           |  |
| VARIABLE                     |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |  |
| CALM                         | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 10.2       | //////////////////////////////// |                |  |
| TOTALS                       | 11.1                                 | 32.2 | 20.0  | 11.3  | 10.5  | 2.3   | 1.9   | 1.1   |       |       |       | 100.0      | 10.2                             | 10.0           |  |
| TOTAL NUMBER OF OBSERVATIONS |                                      |      |       |       |       |       |       |       |       |       |       |            | 382                              |                |  |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 MONTH: OCT 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                       | .7                                   | 2.0  | 1.1   | .7    | .1    |       |       |       |       |       |       | 4.7        | 8.9                              | 8.0            |
| 020-040                           | 2.1                                  | 7.3  | 6.1   | 4.0   | 4.3   | 1.3   | .5    | .1    |       |       | .1    | 25.7       | 13.0                             | 12.0           |
| 050-070                           | 1.3                                  | 5.9  | 6.0   | 4.1   | 3.5   | 1.7   | 1.0   | .2    | .1    |       |       | 23.8       | 14.1                             | 12.0           |
| (E) 080-100                       | 2.7                                  | 4.5  | 2.0   | .7    | .6    | .2    | .2    | .1    |       |       |       | 10.9       | 8.7                              | 6.0            |
| 110-130                           | 1.5                                  | 2.7  | .5    |       |       |       |       |       |       |       |       | 4.7        | 5.7                              | 5.0            |
| 140-160                           | 1.4                                  | 1.9  | .7    | .3    | .1    | .1    |       |       |       |       |       | 4.5        | 7.4                              | 5.0            |
| (S) 170-190                       | .9                                   | 1.9  | .3    | .4    | .6    |       |       |       |       |       |       | 4.1        | 9.2                              | 6.5            |
| 200-220                           | .3                                   | .9   | .6    | .1    | .4    | .1    |       |       |       |       |       | 2.3        | 10.7                             | 9.0            |
| 230-250                           | .1                                   | .5   | .4    | .1    | .3    | .1    |       |       |       |       |       | 1.5        | 12.2                             | 10.0           |
| (W) 260-280                       | .1                                   | .8   | 1.1   | .4    | .2    |       |       |       | .1    |       |       | 2.7        | 11.4                             | 10.0           |
| 290-310                           | .2                                   | .9   | 1.0   | .3    | .3    |       | .1    |       | .1    |       |       | 2.7        | 11.6                             | 10.0           |
| 320-340                           | .3                                   | .9   | .5    | .3    | .1    | .1    | .1    |       |       |       |       | 2.3        | 10.2                             | 8.5            |
| VARIABLE                          |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                              | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 10.0       | //////////////////////////////// |                |
| TOTALS                            | 11.6                                 | 30.2 | 20.3  | 11.4  | 10.5  | 3.6   | 1.9   | .4    | .3    |       | .1    | 100.0      | 10.3                             | 10.0           |
| TOTAL NUMBER OF OBSERVATIONS 1500 |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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<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                                  | 1.7  | 1.3   | 1.7   | .2    |       |       |       |       |       |       | 6.0        | 10.2                             | 10.0           |
| 020-040                | 2.3                                  | 8.5  | 3.6   | 5.6   | 6.8   | 1.7   | .9    |       |       |       |       | 29.4       | 13.9                             | 15.0           |
| 050-070                | 1.5                                  | 4.3  | 3.2   | 3.4   | 3.0   | 1.7   | 1.3   | .4    |       |       |       | 18.8       | 15.2                             | 15.0           |
| (E) 080-100            | 2.3                                  | 2.6  | .6    | .2    |       | .2    | .4    | .2    |       |       |       | 6.4        | 8.6                              | 5.0            |
| 110-130                | 1.9                                  | 2.8  | .6    |       |       |       |       |       |       |       |       | 5.3        | 5.7                              | 5.0            |
| 140-160                | 1.1                                  | 1.5  | .9    | .6    |       |       |       |       |       |       |       | 4.1        | 7.8                              | 6.0            |
| (S) 170-190            | 1.1                                  | 1.7  | .4    | .2    | .9    |       |       |       |       |       |       | 4.3        | 9.6                              | 6.0            |
| 200-220                | .4                                   | .9   | .8    |       | .2    | .2    |       |       |       |       |       | 2.4        | 10.2                             | 9.0            |
| 230-250                | .2                                   | .6   | .8    | .2    | .2    | .2    |       |       |       |       |       | 2.1        | 12.3                             | 10.0           |
| (W) 260-280            | .4                                   | .9   | 1.3   | .6    | .4    |       |       |       |       |       |       | 3.6        | 10.8                             | 10.0           |
| 290-310                | .4                                   | 1.1  | 2.1   | .2    | .4    |       |       |       |       |       |       | 4.1        | 9.8                              | 10.0           |
| 320-340                | .4                                   | 1.1  | .8    | .4    |       |       |       |       |       |       |       | 2.6        | 9.0                              | 9.0            |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 10.7       | //////////////////////////////// |                |
| TOTALS                 | 13.1                                 | 27.7 | 16.4  | 13.1  | 12.1  | 4.0   | 2.6   | .6    |       |       |       | 100.0      | 10.7                             | 10.0           |

TOTAL NUMBER OF OBSERVATIONS 531

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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                      | .2                                   | 1.0  | .5    | .5    | .2    |       |       |       |       |       |       | 2.5        | 10.7                             | 9.0            |
| 020-040                          | 2.0                                  | 6.4  | 6.2   | 5.4   | 3.2   | 1.0   | .2    |       |       |       |       | 24.5       | 12.7                             | 12.0           |
| 050-070                          | 3.0                                  | 6.2  | 6.7   | 4.5   | 4.5   | 2.0   | 2.2   |       |       |       |       | 29.0       | 14.2                             | 12.0           |
| (E) 080-100                      | 1.2                                  | 7.4  | 2.0   | .5    | .7    | 1.0   | .2    |       |       |       |       | 13.1       | 9.9                              | 8.0            |
| 110-130                          | 1.2                                  | .7   | .2    | .5    |       |       |       |       |       |       |       | 2.7        | 6.7                              | 5.0            |
| 140-160                          | 1.0                                  | 2.2  | 1.0   | .7    |       | .2    | .2    |       |       |       |       | 5.4        | 9.8                              | 7.5            |
| (S) 170-190                      | .5                                   | 1.0  | .7    | .7    | .7    | .2    |       |       | .2    |       |       | 4.2        | 14.2                             | 12.0           |
| 200-220                          | .2                                   | .5   | 1.0   | .2    | .2    |       | .2    |       |       |       |       | 2.5        | 12.6                             | 10.0           |
| 230-250                          | .2                                   | .5   | 1.5   | .5    |       | .2    |       |       |       |       |       | 3.0        | 12.5                             | 12.0           |
| (W) 260-280                      | .7                                   | .7   | .5    | .5    |       |       | .2    |       |       |       |       | 2.7        | 10.5                             | 9.0            |
| 290-310                          | .2                                   |      | .5    |       |       |       |       |       |       |       |       | .7         | 9.0                              | 10.0           |
| 320-340                          | .2                                   | .7   | .7    | .7    | .2    |       |       |       |       |       |       | 2.7        | 11.4                             | 12.0           |
| VARIABLE                         |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                             | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 6.5        | //////////////////////////////// |                |
| TOTALS                           | 10.6                                 | 27.3 | 21.5  | 14.7  | 9.7   | 4.6   | 3.2   |       | .2    |       |       | 100.0      | 11.4                             | 10.0           |
| TOTAL NUMBER OF OBSERVATIONS 404 |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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            |                                      | .5   | .8    |       | .5    | .3    |       |       |       |       |       | 2.1        | 14.0                             | 12.0           |
| 020-040                | 4.0                                  | 5.1  | 6.4   | 5.3   | 3.7   | 1.3   |       | .3    |       |       |       | 26.2       | 12.5                             | 12.0           |
| 050-070                | 3.5                                  | 7.8  | 4.3   | 4.5   | 4.5   | 2.1   | 1.6   | .5    |       |       |       | 28.9       | 14.0                             | 13.0           |
| (E) 080-100            | 1.9                                  | 5.3  | 1.9   | .5    | .8    | .3    |       | .3    | .3    |       |       | 11.2       | 9.9                              | 6.0            |
| 110-130                | 1.3                                  | 2.7  | .3    |       | .5    |       |       |       |       |       |       | 4.8        | 7.7                              | 5.5            |
| 140-160                | 1.1                                  | 1.3  | .3    |       | .3    |       |       |       |       |       |       | 2.9        | 7.1                              | 6.0            |
| (S) 170-190            | .5                                   | 1.1  | .8    | .5    | .5    | .8    | .3    |       |       |       |       | 4.5        | 14.2                             | 10.0           |
| 200-220                | .3                                   |      | .5    | .3    |       |       | .3    |       |       | .3    |       | 1.6        | 22.7                             | 15.0           |
| 230-250                | .3                                   | .3   | .3    | .5    |       | .5    |       |       |       |       |       | 1.9        | 15.1                             | 16.0           |
| (W) 260-280            | .3                                   | 1.3  | 2.4   |       | .5    |       |       |       |       |       |       | 4.5        | 10.8                             | 10.0           |
| 290-310                |                                      | .8   | .5    | .5    |       |       |       |       |       |       |       | 1.9        | 11.7                             | 10.0           |
| 320-340                | .3                                   | 1.3  | .5    |       | .3    |       |       |       |       |       |       | 2.4        | 8.6                              | 8.0            |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 7.0        | //////////////////////////////// |                |
| TOTALS                 | 13.5                                 | 27.5 | 19.0  | 12.1  | 11.6  | 5.3   | 2.2   | 1.1   | .3    | .3    |       | 100.0      | 11.5                             | 10.0           |

TOTAL NUMBER OF OBSERVATIONS 374



OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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            | .5                                   | 2.4  | .8    |       | .3    |       |       |       |       |       |       | 4.0        | 7.3                              | 6.0            |
| 020-040                | 2.9                                  | 5.3  | 5.0   | 5.0   | 4.0   | 1.3   |       |       | .3    |       | .3    | 24.1       | 13.6                             | 12.0           |
| 050-070                | 2.6                                  | 6.6  | 7.1   | 3.2   | 4.8   | 2.6   | 2.4   | .3    |       |       |       | 29.6       | 14.5                             | 12.0           |
| (E) 080-100            | 1.9                                  | 2.9  | 2.9   | 1.1   | .3    | 1.1   | .3    |       |       |       |       | 10.3       | 11.4                             | 11.0           |
| 110-130                | 1.3                                  | 1.1  | 1.1   |       |       |       |       |       |       |       |       | 3.4        | 7.0                              | 5.0            |
| 140-160                | .5                                   | 2.9  | 1.3   |       | .5    | .3    |       |       |       |       |       | 5.6        | 9.3                              | 8.0            |
| (S) 170-190            | .8                                   | 1.1  | .8    |       | .3    | .3    | .3    |       |       |       |       | 3.4        | 11.2                             | 7.0            |
| 200-220                | .3                                   | 1.1  | .3    | .5    |       | .3    | .3    |       |       |       |       | 2.6        | 12.6                             | 9.5            |
| 230-250                | .3                                   | .5   | .8    | .3    | .8    |       |       |       |       |       |       | 2.6        | 12.9                             | 13.0           |
| (W) 260-280            | .3                                   | .3   | 1.1   | .5    |       |       | .3    |       |       |       |       | 2.4        | 13.0                             | 12.0           |
| 290-310                | .3                                   | 1.1  | .3    | .3    | .3    |       |       |       |       |       |       | 2.1        | 10.1                             | 8.5            |
| 320-340                | .5                                   | .3   | .8    | .5    |       |       |       |       |       |       |       | 2.1        | 9.6                              | 10.0           |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 7.7        | //////////////////////////////// |                |
| TOTALS                 | 12.2                                 | 25.6 | 22.3  | 11.4  | 11.3  | 5.9   | 3.6   | .3    | .3    |       | .3    | 100.0      | 11.6                             | 10.0           |

TOTAL NUMBER OF OBSERVATIONS 378

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 MONTH: NOV 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            |                                      | 2.5  | .5    | .5    |       |       |       |       |       |       |       | 3.5        | 8.1                              | 6.0            |
| 020-040                | 2.5                                  | 5.3  | 5.6   | 5.8   | 2.5   | 1.3   | .3    | .3    |       |       |       | 23.5       | 12.8                             | 12.0           |
| 050-070                | 2.8                                  | 5.8  | 6.6   | 4.3   | 6.1   | 2.5   | 1.3   |       |       |       |       | 29.3       | 14.5                             | 14.0           |
| (E) 080-100            | 1.8                                  | 3.8  | 3.5   | .8    | 1.5   | .5    | 1.0   |       |       |       |       | 12.9       | 12.5                             | 10.0           |
| 110-130                | 2.5                                  | 2.3  | 1.3   | .3    |       |       |       |       |       |       |       | 6.3        | 6.8                              | 5.0            |
| 140-160                | .8                                   | 2.3  | .8    | .3    |       | .3    |       |       |       |       |       | 4.3        | 8.5                              | 6.0            |
| (S) 170-190            | 1.0                                  | 1.3  | .8    | .5    | .3    | .3    |       |       | .3    |       |       | 4.3        | 11.8                             | 8.0            |
| 200-220                | .5                                   | .8   | 1.3   |       | .3    |       |       |       |       |       |       | 2.8        | 10.2                             | 11.0           |
| 230-250                | .5                                   | .5   | .5    |       | .3    |       |       | .3    |       |       |       | 2.0        | 13.1                             | 10.0           |
| (W) 260-280            | .5                                   | .3   | 1.0   | .3    |       |       |       |       |       |       |       | 2.0        | 8.9                              | 10.0           |
| 290-310                | .3                                   | .8   | .5    |       |       |       | .3    |       |       |       |       | 1.8        | 11.3                             | 8.0            |
| 320-340                |                                      | .5   | .3    | .5    |       |       |       |       |       |       |       | 1.3        | 10.6                             | 10.0           |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 6.1        | //////////////////////////////// |                |
| TOTALS                 | 13.2                                 | 26.2 | 22.7  | 13.3  | 11.0  | 4.9   | 2.9   | .6    | .3    |       |       | 100.0      | 11.5                             | 10.0           |

TOTAL NUMBER OF OBSERVATIONS 396

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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                       | .2                                   | 1.6  | .6    | .3    | .3    | .1    |       |       |       |       |       | 3.0        | 9.4                              | 8.0            |
| 020-040                           | 2.8                                  | 5.5  | 5.8   | 5.4   | 3.4   | 1.2   | .1    | .1    | .1    |       | .1    | 24.5       | 12.9                             | 12.0           |
| 050-070                           | 3.0                                  | 6.6  | 6.2   | 4.1   | 5.0   | 2.3   | 1.9   | .2    |       |       |       | 29.2       | 14.3                             | 13.0           |
| (E) 080-100                       | 1.7                                  | 4.9  | 2.6   | .7    | .8    | .7    | .4    | .1    | .1    |       |       | 11.9       | 10.9                             | 8.0            |
| 110-130                           | 1.6                                  | 1.7  | .7    | .2    | .1    |       |       |       |       |       |       | 4.3        | 7.0                              | 5.0            |
| 140-160                           | .8                                   | 2.2  | .8    | .3    | .2    | .2    | .1    |       |       |       |       | 4.6        | 8.9                              | 7.0            |
| (S) 170-190                       | .7                                   | 1.1  | .8    | .5    | .5    | .4    | .1    |       | .1    |       |       | 4.1        | 13.0                             | 10.0           |
| 200-220                           | .3                                   | .6   | .8    | .3    | .1    | .1    | .2    |       |       | .1    |       | 2.4        | 13.5                             | 11.0           |
| 230-250                           | .3                                   | .5   | .8    | .3    | .3    | .2    |       | .1    |       |       |       | 2.4        | 13.2                             | 12.0           |
| (W) 260-280                       | .5                                   | .6   | 1.2   | .3    | .1    |       | .1    |       |       |       |       | 2.9        | 10.8                             | 10.0           |
| 290-310                           | .2                                   | .6   | .5    | .2    | .1    |       | .1    |       |       |       |       | 1.6        | 10.8                             | 9.0            |
| 320-340                           | .3                                   | .7   | .6    | .5    | .1    |       |       |       |       |       |       | 2.1        | 10.1                             | 10.0           |
| VARIABLE                          |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                              | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 6.9        | //////////////////////////////// |                |
| TOTALS                            | 12.4                                 | 26.6 | 21.4  | 13.1  | 11.0  | 5.2   | 3.0   | .5    | .3    | .1    | .1    | 100.0      | 11.5                             | 10.0           |
| TOTAL NUMBER OF OBSERVATIONS 1552 |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 MONTH: NOV HOURS: ALL

.....  
 CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0600 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            | .2                                   | 2.1  | 1.0   | 1.0   | .5    | .2    |       |       |       |       |       | 5.0        | 10.9                             | 10.0           |
| 020-040                | 1.4                                  | 3.6  | 5.0   | 6.7   | 4.8   | 1.7   | .2    |       |       |       |       | 23.3       | 14.7                             | 15.0           |
| 050-070                | 1.2                                  | 4.5  | 3.3   | 4.0   | 4.3   | 2.1   | 2.1   |       |       |       |       | 21.6       | 15.9                             | 16.0           |
| (E) 080-100            | 1.9                                  | 3.8  | 2.4   | .5    |       |       | .2    |       |       |       |       | 8.8        | 8.3                              | 6.0            |
| 110-130                | 2.1                                  | .7   | 1.0   | .2    | .2    |       |       |       |       |       |       | 4.3        | 7.3                              | 4.5            |
| 140-160                | 1.0                                  | 1.9  | 1.0   | .2    | .5    | .2    | .2    |       |       |       |       | 5.0        | 10.4                             | 8.0            |
| (S) 170-190            | .5                                   | .5   | 1.4   | .5    | 1.4   | 1.0   |       |       | .5    |       |       | 5.7        | 17.7                             | 17.5           |
| 200-220                | .5                                   |      | 1.4   | .7    | .5    |       | .5    |       |       | .2    |       | 3.8        | 18.2                             | 14.5           |
| 230-250                | .5                                   | .5   | 1.2   | .7    | .7    |       |       |       |       |       |       | 3.6        | 12.9                             | 14.0           |
| (W) 260-280            | .7                                   | 1.7  | 2.1   | .5    | .5    |       |       |       |       |       |       | 5.5        | 10.3                             | 10.0           |
| 290-310                | .2                                   | 1.0  | 1.0   | .7    | .2    |       |       |       |       |       |       | 3.1        | 11.7                             | 10.0           |
| 320-340                | .5                                   | 2.4  | 1.2   | 1.0   | .2    |       |       |       |       |       |       | 5.2        | 9.3                              | 8.5            |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 5.2        | //////////////////////////////// |                |
| TOTALS                 | 10.7                                 | 22.7 | 22.0  | 16.7  | 13.8  | 5.2   | 3.2   |       | .5    | .2    |       | 100.0      | 12.5                             | 12.0           |

TOTAL NUMBER OF OBSERVATIONS 421

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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                      |                                      | 1.8  | .3    | .5    | .5    |       |       |       |       |       |       | 3.0        | 11.2                             | 8.0            |
| 020-040                          | 1.8                                  | 3.8  | 4.1   | 4.1   | 5.1   | 1.8   | 2.0   |       |       |       | .3    | 22.8       | 16.6                             | 16.5           |
| 050-070                          | .5                                   | 4.8  | 6.6   | 6.1   | 6.1   | 1.0   | 1.3   |       | .3    |       |       | 26.6       | 15.8                             | 15.0           |
| (E) 080-100                      | 1.5                                  | 1.8  | 1.8   | .8    | 1.3   | .3    | .5    |       |       |       |       | 7.8        | 12.4                             | 10.0           |
| 110-130                          | 1.3                                  | 1.3  | .5    |       |       | .3    |       |       |       |       |       | 3.3        | 7.3                              | 5.0            |
| 140-160                          | 1.5                                  | 2.0  | 1.0   | .5    |       |       |       |       |       |       |       | 5.1        | 7.3                              | 6.0            |
| (S) 170-190                      | 1.5                                  | 1.3  | .8    | .8    |       |       |       | .3    |       | .3    |       | 4.8        | 11.7                             | 6.0            |
| 200-220                          |                                      | 1.8  | 1.5   | .8    | 1.0   |       | .5    |       |       |       |       | 5.6        | 14.2                             | 12.0           |
| 230-250                          | .5                                   | 1.0  | 1.3   | .5    | 1.0   | .3    |       |       |       |       |       | 4.6        | 13.3                             | 13.0           |
| (W) 260-280                      |                                      | 1.8  | 1.3   | .3    | .3    |       |       |       |       |       |       | 3.5        | 10.5                             | 9.0            |
| 290-310                          | .3                                   | .8   | .8    | .3    |       |       |       |       |       |       |       | 2.0        | 8.6                              | 8.0            |
| 320-340                          | 2.3                                  | 1.0  | .5    |       | .3    |       |       |       |       |       |       | 4.1        | 5.6                              | 4.0            |
| VARIABLE                         |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                             | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 6.8        | //////////////////////////////// |                |
| TOTALS                           | 11.2                                 | 23.2 | 20.5  | 14.7  | 15.6  | 3.7   | 4.3   | .3    | .3    | .3    | .3    | 100.0      | 12.6                             | 12.0           |
| TOTAL NUMBER OF OBSERVATIONS 395 |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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                      | 1.1                                  | 1.1  | .5    | .3    |       | .3    |       |       |       |       |       | 3.2        | 8.7                              | 6.0            |
| 020-040                          | 2.2                                  | 5.4  | 5.4   | 3.5   | 4.3   | 1.4   | .3    | .3    |       |       |       | 22.7       | 13.6                             | 12.0           |
| 050-070                          | 2.7                                  | 4.3  | 5.1   | 5.7   | 5.4   | 2.4   | 3.0   |       | .3    |       |       | 28.9       | 16.2                             | 16.0           |
| (E) 080-100                      | 1.4                                  | 2.7  | 1.6   | .8    | 2.2   | 1.1   | .8    |       |       |       |       | 10.5       | 14.4                             | 11.0           |
| 110-130                          | .3                                   | 2.7  | .3    | .3    | .3    |       |       |       |       |       |       | 3.8        | 8.3                              | 7.0            |
| 140-160                          |                                      | 2.2  | .3    | .3    | .3    |       |       |       |       |       |       | 3.0        | 8.9                              | 8.0            |
| (S) 170-190                      | .8                                   | 1.1  | .5    | .5    |       |       |       |       |       |       |       | 3.0        | 9.0                              | 8.0            |
| 200-220                          | .5                                   | 1.4  | .8    | 1.6   | .5    | .3    |       | .3    |       |       |       | 5.4        | 14.5                             | 14.5           |
| 230-250                          | .3                                   | 1.6  | 1.9   |       | .3    |       |       |       | .3    |       |       | 4.3        | 11.5                             | 10.0           |
| (W) 260-280                      | .8                                   | 2.7  | 1.6   | .3    | .3    |       |       |       |       |       |       | 5.7        | 8.7                              | 8.0            |
| 290-310                          | .3                                   | 1.4  | .5    |       | .3    |       |       |       |       |       |       | 2.4        | 8.9                              | 7.0            |
| 320-340                          |                                      | .8   |       |       |       |       |       |       |       |       |       | .8         | 7.3                              | 7.0            |
| VARIABLE                         |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                             | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 6.2        | //////////////////////////////// |                |
| TOTALS                           | 10.4                                 | 27.4 | 18.5  | 13.3  | 13.9  | 5.5   | 4.1   | .6    | .6    |       |       | 100.0      | 12.5                             | 11.0           |
| TOTAL NUMBER OF OBSERVATIONS 370 |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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                      | 1.6                                  | 2.1  | .3    | .3    | .8    |       |       |       |       |       |       | 5.1        | 8.3                              | 6.0            |
| 020-040                          | 2.1                                  | 3.7  | 8.0   | 4.0   | 2.9   | 1.3   | .3    | .3    | .3    |       |       | 22.9       | 13.8                             | 12.0           |
| 050-070                          | 1.3                                  | 2.4  | 6.9   | 5.9   | 4.3   | 2.9   | 1.9   | .3    |       |       |       | 25.8       | 16.7                             | 16.0           |
| (E) 080-100                      | 2.1                                  | 2.1  | 1.3   | 1.1   | 1.3   | .8    | .5    |       |       |       |       | 9.3        | 12.6                             | 12.0           |
| 110-130                          | .5                                   | 1.9  | 1.6   |       | .3    |       |       |       |       |       |       | 4.3        | 8.6                              | 8.0            |
| 140-150                          | 2.1                                  | 1.6  | .5    | .3    | .3    |       |       |       |       |       |       | 4.8        | 7.1                              | 5.0            |
| (S) 170-190                      | .8                                   | 1.3  | .5    | .8    | .8    |       |       |       |       |       |       | 4.3        | 11.4                             | 9.5            |
| 200-220                          | .5                                   | 1.1  | 1.1   | .8    | 1.3   | .3    | .3    |       |       |       |       | 5.3        | 14.3                             | 14.5           |
| 230-250                          |                                      | 1.1  | 1.9   | .8    | .8    |       |       |       |       |       |       | 4.5        | 12.3                             | 11.0           |
| (W) 260-280                      | .3                                   | 2.1  | 1.1   | .8    | .3    |       |       |       |       |       |       | 4.5        | 10.2                             | 8.0            |
| 290-310                          | .5                                   | .3   | 1.1   |       |       |       |       |       |       |       |       | 1.9        | 8.1                              | 10.0           |
| 320-340                          | .5                                   |      | .8    |       |       |       |       |       |       |       |       | 1.3        | 8.4                              | 10.0           |
| VARIABLE                         |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                             | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 6.1        | //////////////////////////////// |                |
| TOTALS                           | 12.3                                 | 19.7 | 25.1  | 14.8  | 13.1  | 5.3   | 3.0   | .6    | .3    |       |       | 100.0      | 12.3                             | 12.0           |
| TOTAL NUMBER OF OBSERVATIONS 376 |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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            | .8                                   | 3.1  | .8    | .3    |       | .3    |       |       |       |       |       | 5.1        | 8.4                              | 8.0            |
| 020-040                | 1.8                                  | 3.8  | 7.1   | 4.3   | 4.3   | 2.8   | .5    | .8    |       |       |       | 25.4       | 15.5                             | 14.5           |
| 050-070                | 1.5                                  | 3.3  | 5.6   | 3.1   | 4.1   | 3.6   | 2.0   | .5    |       |       |       | 23.7       | 16.7                             | 16.0           |
| (E) 080-100            | 2.8                                  | 2.5  | 1.5   | 1.3   | 1.8   | .3    | .5    |       |       |       |       | 10.7       | 12.0                             | 9.5            |
| 110-130                | 1.0                                  | 1.3  | .5    | .5    | .5    |       |       |       |       |       |       | 3.8        | 9.7                              | 6.0            |
| 140-160                | 1.8                                  | 1.5  | .3    |       |       | .3    |       |       |       |       |       | 3.8        | 7.1                              | 5.0            |
| (S) 170-190            | .3                                   | 1.5  | 1.0   |       | .3    |       | .3    | .3    |       |       |       | 3.6        | 12.8                             | 9.0            |
| 200-220                | .3                                   | 1.3  | 2.8   | .8    | 1.3   | .3    |       |       |       |       |       | 6.6        | 13.1                             | 13.0           |
| 230-250                | .5                                   | 1.0  | 1.8   | .5    | .8    |       |       |       |       |       |       | 4.6        | 11.8                             | 12.0           |
| (W) 260-280            |                                      | 1.3  | 2.0   | .5    |       |       |       |       |       |       |       | 3.8        | 10.7                             | 12.0           |
| 290-310                |                                      | .3   | .5    |       |       |       |       |       |       |       |       | .8         | 9.7                              | 10.0           |
| 320-340                | .5                                   |      | .5    |       | .3    |       |       |       |       |       |       | 1.3        | 8.8                              | 10.0           |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 6.9        | //////////////////////////////// |                |
| TOTALS                 | 11.3                                 | 20.9 | 24.4  | 11.3  | 13.4  | 7.6   | 3.3   | 1.6   |       |       |       | 100.0      | 12.7                             | 12.0           |

TOTAL NUMBER OF OBSERVATIONS 393



OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 MONTH: DEC 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            | .8                   | 2.0  | .5    | .3    | .3    | .1    |       |       |       |       |       | 4.1        | 9.0          | 8.0            |
| 020-040                | 2.0                  | 4.2  | 6.1   | 4.0   | 4.2   | 1.8   | .8    | .3    | .1    |       | .1    | 23.5       | 14.9         | 14.0           |
| 050-070                | 1.5                  | 3.7  | 6.1   | 5.1   | 5.0   | 2.5   | 2.0   | .2    | .1    |       |       | 26.2       | 16.3         | 16.0           |
| (E) 080-100            | 2.0                  | 2.3  | 1.6   | 1.0   | 1.6   | .6    | .6    |       |       |       |       | 9.6        | 12.9         | 10.0           |
| 110-130                | .8                   | 1.8  | .7    | .2    | .3    | .1    |       |       |       |       |       | 3.8        | 8.5          | 7.0            |
| 140-160                | 1.4                  | 1.8  | .5    | .3    | .1    | .1    |       |       |       |       |       | 4.2        | 7.5          | 6.0            |
| (S) 170-190            | .8                   | 1.3  | .7    | .5    | .3    |       | .1    | .1    |       | .1    |       | 3.9        | 11.4         | 8.0            |
| 200-220                | .3                   | 1.4  | 1.6   | 1.0   | 1.0   | .2    | .2    | .1    |       |       |       | 5.7        | 14.0         | 13.0           |
| 230-250                | .3                   | 1.2  | 1.7   | .5    | .7    | .1    |       |       | .1    |       |       | 4.5        | 12.2         | 11.0           |
| (W) 260-280            | .3                   | 2.0  | 1.5   | .5    | .2    |       |       |       |       |       |       | 4.4        | 9.9          | 9.0            |
| 290-310                | .3                   | .7   | .7    | .1    | .1    |       |       |       |       |       |       | 1.8        | 8.7          | 8.0            |
| 320-340                | .8                   | .5   | .5    |       | .1    |       |       |       |       |       |       | 1.9        | 6.8          | 5.0            |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |            |              |                |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 6.5        | //////////   |                |
| TOTALS                 | 11.3                 | 22.9 | 22.2  | 13.5  | 13.9  | 5.5   | 3.7   | .7    | .3    | .1    | .1    | 100.0      | 12.5         | 12.0           |

TOTAL NUMBER OF OBSERVATIONS 1534

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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.  
 .....

| 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                                   | 3.0  | 1.2   | .6    | .9    | .6    |       |       |       |       |       | 6.6        | 12.2                             | 9.0            |
| 020-040                | .6                                   | 4.8  | 5.4   | 3.6   | 8.7   | 3.3   | .3    |       |       |       |       | 26.8       | 16.5                             | 18.0           |
| 050-070                | .6                                   | .9   | 5.4   | 4.2   | 9.3   | 1.5   | 2.4   |       |       |       |       | 24.4       | 18.7                             | 20.0           |
| (E) 080-100            | .9                                   | 2.7  | 2.1   | 1.2   | 1.8   | .3    | .3    |       |       |       |       | 9.3        | 12.9                             | 12.0           |
| 110-130                | .6                                   | 1.2  |       | .3    | .6    | .3    |       |       |       |       |       | 3.0        | 12.3                             | 8.0            |
| 140-160                | 1.8                                  | .3   | .3    |       |       |       |       |       |       |       |       | 2.4        | 5.1                              | 4.0            |
| (S) 170-190            | .3                                   | .6   | .9    | .6    | .6    |       | .3    |       |       |       |       | 3.3        | 14.7                             | 13.0           |
| 200-220                |                                      | .9   | 2.4   | 1.5   | 1.2   | .3    | .3    | .3    |       |       |       | 6.9        | 16.6                             | 16.0           |
| 230-250                |                                      | .9   | .9    | .9    | 2.1   |       |       |       |       |       |       | 4.8        | 15.4                             | 16.5           |
| (W) 260-280            |                                      | .9   | 1.2   | .9    | .6    |       |       |       |       |       |       | 3.6        | 12.9                             | 12.0           |
| 290-310                |                                      | .6   | 1.5   | .3    | .3    |       |       |       |       |       |       | 2.7        | 11.7                             | 12.0           |
| 320-340                |                                      | .6   | .9    |       | .3    |       |       |       |       |       |       | 1.8        | 12.3                             | 11.0           |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 4.2        | //////////////////////////////// |                |
| TOTALS                 | 5.1                                  | 17.4 | 22.2  | 14.1  | 26.4  | 6.3   | 3.6   | .3    |       |       |       | 100.0      | 14.9                             | 15.0           |

TOTAL NUMBER OF OBSERVATIONS 332

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 MONTH: ALL 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                         | .9                                   | 2.6  | 1.6   | .4    | .2    | .0    |       |       | .0    | .0    | .0    | 5.7        | 8.7                              | 8.0            |
| 020-040                             | 1.7                                  | 5.1  | 6.0   | 4.1   | 3.2   | 1.4   | .5    | .1    | .0    | .0    | .0    | 22.1       | 13.5                             | 12.0           |
| 050-070                             | 1.7                                  | 4.6  | 5.3   | 3.7   | 3.5   | 1.8   | 1.3   | .2    | .1    | .0    | .0    | 22.3       | 14.8                             | 14.0           |
| (E) 080-100                         | 1.5                                  | 2.9  | 2.1   | 1.2   | 1.2   | .4    | .3    | .1    | .1    |       |       | 9.8        | 12.0                             | 10.0           |
| 110-130                             | 1.0                                  | 1.4  | .4    | .1    | .1    | .0    | .0    |       |       |       |       | 3.0        | 7.2                              | 6.0            |
| 140-160                             | 1.0                                  | 1.5  | .5    | .1    | .1    | .0    | .0    | .0    |       |       |       | 3.2        | 7.1                              | 6.0            |
| (S) 170-190                         | 1.1                                  | 1.8  | .9    | .6    | .4    | .1    | .1    | .0    | .0    | .0    |       | 5.1        | 10.1                             | 8.0            |
| 200-220                             | .7                                   | 1.9  | 1.4   | .8    | .7    | .1    | .1    | .0    | .0    | .0    |       | 5.8        | 11.5                             | 10.0           |
| 230-250                             | .7                                   | 1.6  | 1.5   | .5    | .5    | .1    | .1    | .0    | .0    |       |       | 5.1        | 10.9                             | 10.0           |
| (W) 260-280                         | .6                                   | 1.4  | 1.1   | .4    | .2    | .1    | .0    | .0    | .0    | .0    |       | 3.8        | 9.9                              | 8.0            |
| 290-310                             | .6                                   | 1.1  | .7    | .1    | .1    |       | .0    | .0    | .0    |       | .0    | 2.6        | 8.4                              | 7.0            |
| 320-340                             | .6                                   | 1.3  | .7    | .2    | .1    | .0    | .0    |       |       |       | .0    | 2.7        | 8.0                              | 7.0            |
| VARIABLE                            |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |
| CALM                                | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |       | 8.9        | //////////////////////////////// |                |
| TOTALS                              | 12.1                                 | 27.2 | 22.2  | 12.2  | 10.3  | 4.0   | 2.4   | .4    | .2    |       |       | 100.0      | 10.9                             | 10.0           |
| TOTAL NUMBER OF OBSERVATIONS: 19109 |                                      |      |       |       |       |       |       |       |       |       |       |            |                                  |                |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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.

| 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                   | 2.6  | 2.5   | .9    | .3    | .1    |       |       | .0    | .0    | .0         | 7.3          | 10.0           | 10.0  |
| 020-040                | 1.1                  | 4.4  | 5.5   | 5.2   | 4.6   | 1.2   | .2    |       |       |       |            | 22.2         | 14.1           | 15.0  |
| 050-070                | 1.0                  | 3.4  | 4.9   | 3.5   | 4.0   | 1.3   | .6    | .1    |       |       |            | 18.8         | 14.0           | 15.0  |
| (E) 080-100            | 1.0                  | 2.1  | 1.4   | 1.0   | .8    | .3    | .1    | .0    | .0    |       |            | 6.9          | 11.7           | 10.0  |
| 110-130                | .8                   | 1.1  | .3    | .1    | .1    | .0    | .0    |       |       |       |            | 2.5          | 7.2            | 6.0   |
| 140-160                | .6                   | 1.1  | .5    | .1    | .1    | .0    | .0    | .0    |       |       |            | 2.6          | 8.2            | 6.0   |
| (S) 170-190            | .7                   | 1.3  | 1.2   | .8    | .7    | .3    | .1    |       | .0    |       |            | 5.2          | 12.4           | 10.0  |
| 200-220                | .7                   | 1.7  | 1.8   | 1.2   | 1.1   | .2    | .2    | .0    | .0    | .0    |            | 7.0          | 13.4           | 12.0  |
| 230-250                | .7                   | 1.8  | 2.0   | .8    | 1.0   | .2    | .2    |       |       |       |            | 6.7          | 12.0           | 10.0  |
| (W) 260-280            | .5                   | 2.0  | 1.9   | .6    | .5    | .1    | .0    | .0    |       | .0    |            | 5.7          | 11.0           | 10.0  |
| 290-310                | .5                   | 1.5  | 1.4   | .3    | .2    |       | .0    | .0    |       |       |            | 3.9          | 9.3            | 8.0   |
| 320-340                | .5                   | 1.7  | 1.1   | .3    | .1    | .0    |       |       |       |       |            | 3.7          | 8.6            | 8.0   |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |            |              |                |       |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |            | 7.6          | ////           | ////  |
| TOTALS                 | 9.0                  | 24.7 | 24.5  | 14.8  | 13.5  | 3.7   | 1.4   | .1    |       |       |            | 100.0        | 11.5           | 10.0  |

TOTAL NUMBER OF OBSERVATIONS: 5461

|          |           |          |            |          |
|----------|-----------|----------|------------|----------|
| FFFFFFFF | AAAAAA    | RRRRRRRR | TTTTTTTTTT | DDDDDDDD |
| FFFFFFFF | AAAAAAA   | RRRRRRRR | TTTTTTTTTT | DDDDDDDD |
| PP PP    | AA AA     | RR RR    | TT         | DD DD    |
| PP PP    | AA AA     | RR RR    | TT         | DD DD    |
| FFFFFFFF | AA AA     | RRRRRRRR | TT         | DD DD    |
| FFFFFFFF | 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 = .868391 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: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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               | 14.8                        | 39.8    | 42.0    | 42.0    | 43.3    | 43.3        | 47.0    | 47.3        | 47.3        | 48.5    | 49.3      | 49.8      | 52.3      | 52.5      | 53.5      | 55.0    |
| GE 20000              | 14.8                        | 40.0    | 42.3    | 42.3    | 43.5    | 43.5        | 47.5    | 47.8        | 47.8        | 49.0    | 49.8      | 50.3      | 52.8      | 53.0      | 54.0      | 55.5    |
| GE 18000              | 14.8                        | 40.0    | 42.3    | 42.3    | 43.5    | 43.5        | 47.5    | 47.8        | 47.8        | 49.0    | 49.8      | 50.3      | 52.8      | 53.0      | 54.0      | 55.5    |
| GE 16000              | 14.8                        | 40.0    | 42.3    | 42.3    | 43.5    | 43.5        | 47.5    | 47.8        | 47.8        | 49.0    | 49.8      | 50.3      | 52.8      | 53.0      | 54.0      | 55.5    |
| GE 14000              | 14.8                        | 40.0    | 42.3    | 42.3    | 43.5    | 43.5        | 47.5    | 47.8        | 47.8        | 49.0    | 49.8      | 50.3      | 52.8      | 53.0      | 54.0      | 55.5    |
| GE 12000              | 14.8                        | 40.5    | 42.8    | 42.8    | 44.0    | 44.0        | 48.0    | 48.3        | 48.3        | 49.5    | 50.3      | 50.8      | 53.3      | 53.5      | 54.5      | 56.0    |
| GE 10000              | 15.0                        | 42.3    | 44.5    | 44.5    | 45.8    | 45.8        | 49.8    | 50.0        | 50.0        | 51.3    | 52.0      | 52.5      | 55.0      | 55.3      | 56.3      | 57.8    |
| GE 9000               | 15.0                        | 42.3    | 44.5    | 44.5    | 45.8    | 45.8        | 49.8    | 50.0        | 50.0        | 51.3    | 52.0      | 52.5      | 55.0      | 55.3      | 56.3      | 57.8    |
| GE 8000               | 15.0                        | 43.0    | 45.3    | 45.3    | 46.5    | 46.5        | 50.5    | 50.8        | 50.8        | 52.0    | 53.0      | 53.5      | 56.0      | 56.3      | 57.3      | 58.8    |
| GE 7000               | 15.3                        | 45.0    | 47.8    | 47.8    | 49.0    | 49.0        | 53.0    | 53.3        | 53.3        | 54.5    | 55.5      | 56.0      | 58.5      | 58.8      | 59.8      | 61.3    |
| GE 6000               | 15.3                        | 45.5    | 48.3    | 48.3    | 49.8    | 49.8        | 53.8    | 54.0        | 54.0        | 55.3    | 56.3      | 56.8      | 59.3      | 59.5      | 60.5      | 62.0    |
| GE 5000               | 15.5                        | 47.0    | 50.0    | 50.0    | 51.5    | 51.5        | 55.8    | 56.0        | 56.0        | 57.3    | 58.3      | 58.8      | 61.3      | 61.5      | 62.5      | 64.0    |
| GE 4500               | 15.5                        | 47.0    | 50.0    | 50.0    | 51.5    | 51.5        | 55.8    | 56.0        | 56.0        | 57.3    | 58.3      | 58.8      | 61.3      | 61.5      | 62.5      | 64.0    |
| GE 4000               | 15.8                        | 48.5    | 51.5    | 51.5    | 53.0    | 53.0        | 57.5    | 57.8        | 57.8        | 59.0    | 60.0      | 60.5      | 63.0      | 63.3      | 64.3      | 65.8    |
| GE 3500               | 15.8                        | 48.5    | 51.5    | 51.5    | 53.0    | 53.0        | 57.5    | 57.8        | 57.8        | 59.0    | 60.0      | 60.5      | 63.0      | 63.3      | 64.3      | 65.8    |
| GE 3000               | 15.8                        | 48.8    | 52.0    | 52.0    | 53.5    | 53.5        | 58.0    | 58.3        | 58.3        | 59.5    | 60.5      | 61.0      | 63.5      | 63.8      | 64.8      | 66.5    |
| GE 2500               | 16.8                        | 51.0    | 54.3    | 54.3    | 55.8    | 55.8        | 60.3    | 60.5        | 60.5        | 61.8    | 62.8      | 63.3      | 65.8      | 66.0      | 67.0      | 68.8    |
| GE 2000               | 17.0                        | 53.0    | 57.0    | 57.0    | 58.5    | 58.5        | 63.0    | 63.5        | 63.5        | 64.8    | 66.0      | 66.5      | 69.0      | 69.8      | 70.8      | 72.5    |
| GE 1800               | 17.0                        | 53.0    | 57.0    | 57.0    | 58.5    | 58.5        | 63.0    | 63.5        | 63.5        | 64.8    | 66.0      | 66.5      | 69.0      | 69.8      | 70.8      | 72.5    |
| GE 1500               | 17.0                        | 54.3    | 58.3    | 58.3    | 60.3    | 60.3        | 64.8    | 65.3        | 65.3        | 66.5    | 67.8      | 68.3      | 70.8      | 71.5      | 72.5      | 74.3    |
| GE 1200               | 18.0                        | 59.3    | 64.3    | 64.3    | 68.5    | 68.5        | 73.8    | 74.3        | 74.3        | 76.0    | 77.3      | 77.8      | 80.3      | 81.0      | 82.0      | 83.8    |
| GE 1000               | 18.8                        | 63.8    | 69.0    | 69.0    | 74.3    | 74.3        | 80.8    | 81.3        | 81.3        | 83.5    | 85.0      | 85.5      | 88.3      | 89.0      | 91.0      | 93.0    |
| GE 900                | 18.8                        | 63.8    | 69.0    | 69.0    | 74.3    | 74.3        | 80.8    | 81.3        | 81.3        | 83.5    | 85.0      | 85.5      | 88.3      | 89.0      | 91.0      | 93.0    |
| GE 800                | 18.8                        | 64.0    | 69.3    | 69.3    | 74.5    | 74.5        | 81.0    | 81.5        | 81.5        | 83.8    | 85.3      | 85.8      | 88.5      | 89.3      | 91.3      | 93.3    |
| GE 700                | 18.8                        | 64.0    | 69.3    | 69.3    | 74.8    | 74.8        | 81.3    | 81.8        | 81.8        | 84.0    | 85.5      | 86.0      | 88.8      | 89.5      | 91.5      | 93.5    |
| GE 600                | 18.8                        | 64.0    | 69.3    | 69.3    | 74.8    | 74.8        | 81.3    | 81.8        | 81.8        | 84.0    | 85.5      | 86.0      | 88.8      | 89.5      | 91.8      | 93.8    |
| GE 500                | 18.8                        | 64.0    | 69.3    | 69.3    | 74.8    | 74.8        | 81.3    | 81.8        | 81.8        | 84.0    | 85.5      | 86.0      | 88.8      | 89.5      | 91.8      | 94.0    |
| GE 400                | 19.0                        | 64.3    | 69.5    | 69.5    | 75.0    | 75.0        | 81.5    | 82.3        | 82.3        | 84.5    | 86.0      | 86.5      | 89.5      | 90.3      | 92.5      | 95.0    |
| GE 300                | 19.0                        | 64.3    | 69.5    | 69.5    | 75.0    | 75.0        | 81.5    | 82.3        | 82.3        | 84.5    | 86.0      | 86.5      | 89.8      | 90.5      | 92.8      | 95.3    |
| GE 200                | 19.0                        | 64.3    | 69.5    | 69.5    | 75.0    | 75.0        | 81.5    | 82.3        | 82.3        | 84.5    | 86.0      | 86.5      | 90.8      | 91.5      | 93.8      | 96.5    |
| GE 100                | 19.0                        | 64.3    | 69.5    | 69.5    | 75.0    | 75.0        | 81.5    | 82.3        | 82.3        | 84.5    | 86.0      | 86.5      | 90.8      | 91.5      | 94.8      | 99.8    |
| GE 000                | 19.0                        | 64.3    | 69.5    | 69.5    | 75.0    | 75.0        | 81.5    | 82.3        | 82.3        | 84.5    | 86.0      | 86.5      | 90.8      | 91.5      | 94.8      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 400



OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 751210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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               | 14.7                        | 41.8    | 42.0    | 42.0    | 44.8    | 44.8        | 46.4    | 46.4        | 46.4        | 48.7    | 49.0      | 49.0      | 50.8      | 51.8      | 52.3      | 52.8    |
| GE 20000              | 14.7                        | 41.8    | 42.0    | 42.0    | 44.8    | 44.8        | 46.4    | 46.4        | 46.4        | 48.7    | 49.0      | 49.0      | 50.8      | 51.8      | 52.3      | 52.8    |
| GE 18000              | 14.7                        | 42.0    | 42.3    | 42.3    | 45.1    | 45.1        | 46.6    | 46.6        | 46.6        | 49.0    | 49.2      | 49.2      | 51.0      | 52.1      | 52.6      | 53.1    |
| GE 16000              | 14.7                        | 42.0    | 42.3    | 42.3    | 45.1    | 45.1        | 46.6    | 46.6        | 46.6        | 49.0    | 49.2      | 49.2      | 51.0      | 52.1      | 52.6      | 53.1    |
| GE 14000              | 14.7                        | 42.0    | 42.3    | 42.3    | 45.1    | 45.1        | 46.6    | 46.6        | 46.6        | 49.0    | 49.2      | 49.2      | 51.0      | 52.1      | 52.6      | 53.1    |
| GE 12000              | 14.7                        | 42.5    | 42.8    | 42.8    | 45.6    | 45.6        | 47.2    | 47.2        | 47.2        | 49.5    | 49.7      | 49.7      | 51.5      | 52.6      | 53.1      | 53.6    |
| GE 10000              | 15.2                        | 43.8    | 44.1    | 44.1    | 46.9    | 46.9        | 48.5    | 48.5        | 48.5        | 50.8    | 51.0      | 51.0      | 52.8      | 53.9      | 54.4      | 54.9    |
| GE 9000               | 15.2                        | 44.1    | 44.3    | 44.3    | 47.2    | 47.2        | 48.7    | 48.7        | 48.7        | 51.0    | 51.3      | 51.3      | 53.1      | 54.1      | 54.6      | 55.2    |
| GE 8000               | 15.2                        | 44.6    | 44.8    | 44.8    | 47.7    | 47.7        | 49.2    | 49.2        | 49.2        | 51.5    | 51.8      | 51.8      | 53.6      | 54.6      | 55.2      | 55.7    |
| GE 7000               | 15.7                        | 46.9    | 47.2    | 47.2    | 50.3    | 50.3        | 51.8    | 51.8        | 51.8        | 54.4    | 54.6      | 54.6      | 56.4      | 57.5      | 58.0      | 58.5    |
| GE 6000               | 15.7                        | 46.9    | 47.2    | 47.2    | 50.3    | 50.3        | 51.8    | 52.1        | 52.1        | 54.6    | 54.9      | 54.9      | 56.7      | 57.7      | 58.2      | 58.8    |
| GE 5000               | 16.5                        | 49.2    | 49.5    | 49.5    | 52.6    | 52.6        | 54.1    | 54.6        | 54.6        | 57.2    | 57.5      | 57.5      | 59.3      | 60.3      | 60.8      | 61.3    |
| GE 4500               | 16.5                        | 49.2    | 49.5    | 49.5    | 52.6    | 52.6        | 54.1    | 54.6        | 54.6        | 57.2    | 57.5      | 57.5      | 59.3      | 60.3      | 60.8      | 61.3    |
| GE 4000               | 16.5                        | 50.0    | 50.3    | 50.3    | 53.4    | 53.4        | 54.9    | 55.4        | 55.4        | 58.0    | 58.2      | 58.2      | 60.1      | 61.1      | 61.6      | 62.1    |
| GE 3500               | 16.5                        | 50.3    | 50.5    | 50.5    | 53.6    | 53.6        | 55.2    | 55.7        | 55.7        | 58.2    | 58.5      | 58.5      | 60.3      | 61.3      | 61.9      | 62.4    |
| GE 3000               | 16.5                        | 50.8    | 51.0    | 51.0    | 54.4    | 54.4        | 55.9    | 56.4        | 56.4        | 59.0    | 59.3      | 59.3      | 61.1      | 62.1      | 62.6      | 63.1    |
| GE 2500               | 17.3                        | 53.6    | 53.9    | 53.9    | 57.2    | 57.2        | 58.8    | 59.3        | 59.3        | 61.9    | 62.1      | 62.1      | 63.9      | 64.9      | 65.5      | 66.0    |
| GE 2000               | 17.8                        | 56.4    | 56.7    | 56.7    | 60.1    | 60.1        | 61.6    | 62.4        | 62.4        | 64.9    | 65.2      | 65.2      | 67.8      | 68.8      | 69.3      | 69.8    |
| GE 1800               | 17.8                        | 56.4    | 56.7    | 56.7    | 60.1    | 60.1        | 61.6    | 62.4        | 62.4        | 64.9    | 65.2      | 65.2      | 67.8      | 68.8      | 69.3      | 69.8    |
| GE 1500               | 17.8                        | 58.5    | 58.8    | 58.8    | 62.1    | 62.1        | 63.7    | 64.4        | 64.4        | 67.0    | 67.3      | 67.3      | 69.8      | 70.9      | 71.4      | 71.9    |
| GE 1200               | 19.6                        | 64.4    | 65.7    | 65.7    | 70.6    | 70.6        | 73.7    | 74.5        | 74.5        | 77.1    | 77.3      | 77.3      | 80.2      | 81.2      | 81.7      | 82.2    |
| GE 1000               | 20.6                        | 68.8    | 71.4    | 71.4    | 77.1    | 77.1        | 80.4    | 81.7        | 81.7        | 84.3    | 84.5      | 84.5      | 87.6      | 88.7      | 89.9      | 90.7    |
| GE 900                | 20.6                        | 68.8    | 71.4    | 71.4    | 77.1    | 77.1        | 80.4    | 81.7        | 81.7        | 84.3    | 84.5      | 84.5      | 87.6      | 88.7      | 89.9      | 90.7    |
| GE 800                | 20.6                        | 68.8    | 71.6    | 71.6    | 77.3    | 77.3        | 80.7    | 82.0        | 82.0        | 84.5    | 84.8      | 84.8      | 87.9      | 88.9      | 90.2      | 91.0    |
| GE 700                | 20.6                        | 68.8    | 71.6    | 71.6    | 77.3    | 77.3        | 80.9    | 82.2        | 82.2        | 85.1    | 85.3      | 85.3      | 88.4      | 89.4      | 90.7      | 91.5    |
| GE 600                | 20.6                        | 68.8    | 71.6    | 71.6    | 77.3    | 77.3        | 80.9    | 82.2        | 82.2        | 85.1    | 85.3      | 85.3      | 88.4      | 89.4      | 90.7      | 92.0    |
| GE 500                | 20.6                        | 68.8    | 71.6    | 71.6    | 77.3    | 77.3        | 80.9    | 82.2        | 82.2        | 85.1    | 85.3      | 85.3      | 88.4      | 89.4      | 90.7      | 92.3    |
| GE 400                | 20.6                        | 68.8    | 71.6    | 71.6    | 77.3    | 77.3        | 80.9    | 82.2        | 82.2        | 85.1    | 85.3      | 85.3      | 88.4      | 89.4      | 90.7      | 92.3    |
| GE 300                | 20.6                        | 68.8    | 71.6    | 71.6    | 77.3    | 77.3        | 80.9    | 82.2        | 82.2        | 85.1    | 85.3      | 85.3      | 88.7      | 89.7      | 91.0      | 92.5    |
| GE 200                | 20.6                        | 68.8    | 71.6    | 71.6    | 77.3    | 77.3        | 80.9    | 82.2        | 82.2        | 85.1    | 85.3      | 85.3      | 89.7      | 91.0      | 92.3      | 94.6    |
| GE 100                | 20.6                        | 68.8    | 71.6    | 71.6    | 77.3    | 77.3        | 80.9    | 82.2        | 82.2        | 85.1    | 85.3      | 85.3      | 89.9      | 91.2      | 94.1      | 99.5    |
| GE 000                | 20.6                        | 68.8    | 71.6    | 71.6    | 77.3    | 77.3        | 80.9    | 82.2        | 82.2        | 85.1    | 85.3      | 85.3      | 89.9      | 91.2      | 94.1      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 388

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
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               | 14.4                        | 37.2    | 38.3    | 38.3    | 40.7    | 40.7        | 41.8    | 41.8        | 41.8        | 43.9    | 44.1      | 44.1      | 46.3      | 46.5      | 47.9      | 49.7    |
| GE 20000              | 14.4                        | 38.0    | 39.1    | 39.1    | 41.5    | 41.5        | 42.6    | 42.6        | 42.6        | 44.7    | 44.9      | 44.9      | 47.1      | 47.3      | 48.7      | 50.5    |
| GE 18000              | 14.4                        | 38.0    | 39.1    | 39.1    | 41.5    | 41.5        | 42.6    | 42.6        | 42.6        | 44.7    | 44.9      | 44.9      | 47.1      | 47.3      | 48.7      | 50.5    |
| GE 16000              | 14.4                        | 38.8    | 39.9    | 39.9    | 42.3    | 42.3        | 43.4    | 43.4        | 43.4        | 45.5    | 45.7      | 45.7      | 47.9      | 48.1      | 49.5      | 51.3    |
| GE 14000              | 14.4                        | 39.4    | 40.4    | 40.4    | 42.8    | 42.8        | 43.9    | 43.9        | 43.9        | 46.3    | 46.5      | 46.5      | 48.7      | 48.9      | 50.3      | 52.1    |
| GE 12000              | 14.4                        | 39.4    | 40.4    | 40.4    | 42.8    | 42.8        | 43.9    | 43.9        | 43.9        | 46.3    | 46.5      | 46.5      | 48.7      | 48.9      | 50.3      | 52.1    |
| GE 10000              | 14.9                        | 41.8    | 42.8    | 42.8    | 45.2    | 45.2        | 46.3    | 46.3        | 46.3        | 48.7    | 49.2      | 49.2      | 51.6      | 52.1      | 53.5      | 55.3    |
| GE 9000               | 14.9                        | 41.8    | 42.8    | 42.8    | 45.2    | 45.2        | 46.3    | 46.3        | 46.3        | 48.7    | 49.2      | 49.2      | 51.6      | 52.1      | 53.5      | 55.3    |
| GE 8000               | 14.9                        | 42.3    | 43.4    | 43.4    | 45.7    | 45.7        | 46.8    | 46.8        | 46.8        | 49.2    | 49.7      | 49.7      | 52.4      | 52.9      | 54.5      | 56.4    |
| GE 7000               | 14.9                        | 43.1    | 44.1    | 44.1    | 46.8    | 46.8        | 48.1    | 48.1        | 48.1        | 50.5    | 51.1      | 51.1      | 54.0      | 54.5      | 56.1      | 58.0    |
| GE 6000               | 14.9                        | 43.4    | 44.7    | 44.7    | 47.9    | 47.9        | 49.2    | 49.2        | 49.2        | 51.6    | 52.1      | 52.1      | 55.1      | 55.6      | 57.4      | 59.3    |
| GE 5000               | 15.2                        | 44.7    | 46.0    | 46.0    | 49.5    | 49.5        | 51.1    | 51.1        | 51.1        | 53.5    | 54.0      | 54.0      | 57.2      | 57.7      | 59.6      | 62.0    |
| GE 4500               | 15.2                        | 44.9    | 46.3    | 46.3    | 49.7    | 49.7        | 51.3    | 51.3        | 51.3        | 53.7    | 54.3      | 54.3      | 57.4      | 58.0      | 59.8      | 62.2    |
| GE 4000               | 15.7                        | 45.7    | 47.1    | 47.1    | 50.5    | 50.5        | 52.1    | 52.1        | 52.1        | 54.5    | 55.1      | 55.1      | 58.2      | 58.8      | 60.6      | 63.0    |
| GE 3500               | 15.7                        | 45.7    | 47.1    | 47.1    | 50.5    | 50.5        | 52.1    | 52.1        | 52.1        | 54.5    | 55.1      | 55.1      | 58.2      | 58.8      | 60.6      | 63.0    |
| GE 3000               | 15.7                        | 46.0    | 47.3    | 47.3    | 50.8    | 50.8        | 52.7    | 52.7        | 52.7        | 55.1    | 55.6      | 55.6      | 58.8      | 59.3      | 61.2      | 63.6    |
| GE 2500               | 17.6                        | 49.5    | 50.8    | 50.8    | 54.5    | 54.5        | 56.6    | 56.6        | 56.6        | 59.0    | 59.6      | 59.6      | 62.8      | 63.3      | 65.2      | 67.6    |
| GE 2000               | 17.8                        | 51.6    | 53.2    | 53.2    | 57.4    | 57.4        | 59.8    | 59.8        | 59.8        | 62.2    | 63.0      | 63.0      | 66.5      | 67.0      | 68.9      | 71.3    |
| GE 1800               | 17.8                        | 51.6    | 53.2    | 53.2    | 57.4    | 57.4        | 59.8    | 59.8        | 59.8        | 62.2    | 63.0      | 63.0      | 66.5      | 67.0      | 68.9      | 71.3    |
| GE 1500               | 17.8                        | 52.1    | 54.0    | 54.0    | 58.5    | 58.5        | 60.9    | 60.9        | 60.9        | 63.3    | 64.1      | 64.1      | 67.8      | 68.4      | 70.2      | 72.6    |
| GE 1200               | 19.4                        | 55.1    | 57.7    | 57.7    | 63.3    | 63.3        | 66.5    | 66.8        | 66.8        | 70.5    | 71.3      | 71.3      | 75.3      | 75.8      | 78.2      | 80.6    |
| GE 1000               | 20.2                        | 58.2    | 61.7    | 61.7    | 68.1    | 68.1        | 71.3    | 71.5        | 71.5        | 76.6    | 77.4      | 77.4      | 81.6      | 82.2      | 85.4      | 88.3    |
| GE 900                | 20.2                        | 58.2    | 61.7    | 61.7    | 68.1    | 68.1        | 71.3    | 71.5        | 71.5        | 76.6    | 77.4      | 77.4      | 81.6      | 82.2      | 85.4      | 88.3    |
| GE 800                | 20.2                        | 58.2    | 61.7    | 61.7    | 68.1    | 68.1        | 71.8    | 72.1        | 72.1        | 77.4    | 78.2      | 78.2      | 82.4      | 83.0      | 86.2      | 89.1    |
| GE 700                | 20.2                        | 58.2    | 61.7    | 61.7    | 68.4    | 68.4        | 72.3    | 72.6        | 72.6        | 77.9    | 79.0      | 79.0      | 83.2      | 83.8      | 87.0      | 89.9    |
| GE 600                | 20.2                        | 58.2    | 61.7    | 61.7    | 68.4    | 68.4        | 72.3    | 72.6        | 72.6        | 77.9    | 79.0      | 79.0      | 83.2      | 83.8      | 87.0      | 89.9    |
| GE 500                | 20.2                        | 58.2    | 61.7    | 61.7    | 68.4    | 68.4        | 72.3    | 72.6        | 72.6        | 77.9    | 79.0      | 79.0      | 83.2      | 83.8      | 87.0      | 89.9    |
| GE 400                | 20.2                        | 59.0    | 62.5    | 62.5    | 69.1    | 69.1        | 73.1    | 73.7        | 73.9        | 79.8    | 80.9      | 80.9      | 85.1      | 85.6      | 88.8      | 91.8    |
| GE 300                | 20.2                        | 59.0    | 62.5    | 62.5    | 69.1    | 69.1        | 73.1    | 73.7        | 73.9        | 79.8    | 80.9      | 80.9      | 85.1      | 85.6      | 88.8      | 91.8    |
| GE 200                | 20.2                        | 59.0    | 62.5    | 62.5    | 69.1    | 69.1        | 73.1    | 73.7        | 73.9        | 79.8    | 80.9      | 80.9      | 85.9      | 86.4      | 89.9      | 93.6    |
| GE 100                | 20.2                        | 59.0    | 62.5    | 62.5    | 69.1    | 69.1        | 73.1    | 73.7        | 73.9        | 79.8    | 80.9      | 80.9      | 85.9      | 86.4      | 90.4      | 98.7    |
| GE 000                | 20.2                        | 59.0    | 62.5    | 62.5    | 69.1    | 69.1        | 73.1    | 73.7        | 73.9        | 79.8    | 80.9      | 80.9      | 85.9      | 86.4      | 90.4      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 376

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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               | 15.8                        | 42.9    | 43.9    | 43.9    | 45.9    | 45.9        | 47.9    | 47.9        | 47.9        | 50.6    | 51.1      | 51.1      | 54.4      | 54.6      | 56.1      | 56.9    |
| GE 20000              | 15.8                        | 43.4    | 44.4    | 44.4    | 46.4    | 46.4        | 48.4    | 48.4        | 48.4        | 51.4    | 51.9      | 51.9      | 55.1      | 55.4      | 56.9      | 57.6    |
| GE 18000              | 15.8                        | 43.4    | 44.4    | 44.4    | 46.4    | 46.4        | 48.4    | 48.4        | 48.4        | 51.4    | 51.9      | 51.9      | 55.1      | 55.4      | 56.9      | 57.6    |
| GE 16000              | 15.8                        | 43.4    | 44.4    | 44.4    | 46.4    | 46.4        | 48.4    | 48.4        | 48.4        | 51.4    | 51.9      | 51.9      | 55.1      | 55.4      | 56.9      | 57.6    |
| GE 14000              | 15.8                        | 43.4    | 44.4    | 44.4    | 46.4    | 46.4        | 48.4    | 48.4        | 48.4        | 51.4    | 51.9      | 51.9      | 55.1      | 55.4      | 56.9      | 57.6    |
| GE 12000              | 15.8                        | 43.6    | 44.6    | 44.6    | 46.6    | 46.6        | 48.6    | 48.6        | 48.6        | 51.6    | 52.1      | 52.1      | 55.4      | 55.6      | 57.1      | 57.9    |
| GE 10000              | 15.8                        | 45.6    | 46.6    | 46.6    | 48.6    | 48.6        | 50.6    | 50.6        | 50.6        | 53.6    | 54.1      | 54.1      | 57.4      | 57.6      | 59.1      | 59.9    |
| GE 9000               | 15.8                        | 45.6    | 46.6    | 46.6    | 48.6    | 48.6        | 50.6    | 50.6        | 50.6        | 53.6    | 54.1      | 54.1      | 57.4      | 57.6      | 59.1      | 59.9    |
| GE 8000               | 15.8                        | 46.1    | 47.1    | 47.1    | 49.1    | 49.4        | 51.4    | 51.4        | 51.4        | 54.4    | 54.9      | 54.9      | 58.1      | 58.4      | 59.9      | 60.7    |
| GE 7000               | 16.3                        | 49.1    | 50.1    | 50.1    | 52.4    | 52.6        | 54.6    | 54.6        | 54.6        | 57.6    | 58.1      | 58.1      | 61.7      | 61.9      | 63.4      | 64.2    |
| GE 6000               | 16.3                        | 49.6    | 50.6    | 50.6    | 52.9    | 53.1        | 55.1    | 55.1        | 55.1        | 58.4    | 58.9      | 58.9      | 62.7      | 62.9      | 64.4      | 65.2    |
| GE 5000               | 16.5                        | 51.6    | 52.6    | 52.6    | 54.9    | 55.1        | 57.1    | 57.4        | 57.4        | 60.7    | 61.2      | 61.2      | 64.9      | 65.2      | 66.7      | 67.4    |
| GE 4500               | 16.5                        | 51.6    | 52.6    | 52.6    | 54.9    | 55.1        | 57.1    | 57.4        | 57.4        | 60.7    | 61.2      | 61.2      | 64.9      | 65.2      | 66.7      | 67.4    |
| GE 4000               | 17.0                        | 53.1    | 54.1    | 54.1    | 56.4    | 56.6        | 58.6    | 58.9        | 58.9        | 62.2    | 62.7      | 62.7      | 66.4      | 66.7      | 68.2      | 68.9    |
| GE 3500               | 17.0                        | 53.1    | 54.1    | 54.1    | 56.6    | 56.9        | 58.9    | 59.1        | 59.1        | 62.4    | 62.9      | 62.9      | 66.7      | 66.9      | 68.4      | 69.2    |
| GE 3000               | 17.0                        | 53.4    | 54.4    | 54.4    | 57.1    | 57.4        | 59.4    | 59.6        | 59.6        | 62.9    | 63.4      | 63.4      | 67.2      | 67.4      | 68.9      | 69.7    |
| GE 2500               | 18.0                        | 57.1    | 58.1    | 58.1    | 60.9    | 61.2        | 63.2    | 63.4        | 63.4        | 66.7    | 67.2      | 67.2      | 71.2      | 71.4      | 72.9      | 73.7    |
| GE 2000               | 18.3                        | 58.4    | 59.9    | 59.9    | 62.9    | 63.2        | 65.2    | 65.4        | 65.4        | 68.7    | 69.4      | 69.4      | 73.4      | 73.7      | 75.2      | 75.9    |
| GE 1800               | 18.3                        | 58.4    | 59.9    | 59.9    | 62.9    | 63.2        | 65.2    | 65.4        | 65.4        | 68.7    | 69.4      | 69.4      | 73.4      | 73.7      | 75.2      | 75.9    |
| GE 1500               | 18.3                        | 58.4    | 59.9    | 59.9    | 62.9    | 63.2        | 65.2    | 65.4        | 65.4        | 68.7    | 69.4      | 69.4      | 73.4      | 73.7      | 75.2      | 75.9    |
| GE 1500               | 18.3                        | 58.4    | 59.9    | 59.9    | 62.9    | 63.2        | 65.2    | 65.4        | 65.4        | 68.7    | 69.4      | 69.4      | 73.4      | 73.7      | 75.2      | 75.9    |
| GE 1200               | 19.8                        | 64.2    | 67.4    | 67.4    | 71.4    | 71.7        | 73.7    | 73.9        | 73.9        | 77.9    | 78.7      | 78.7      | 83.0      | 83.2      | 85.0      | 85.7    |
| GE 1000               | 20.3                        | 67.4    | 70.9    | 70.9    | 75.9    | 76.2        | 78.9    | 79.2        | 79.2        | 84.7    | 85.5      | 85.7      | 90.0      | 90.2      | 93.0      | 93.7    |
| GE 900                | 20.3                        | 67.4    | 70.9    | 70.9    | 75.9    | 76.2        | 78.9    | 79.2        | 79.2        | 84.7    | 85.5      | 85.7      | 90.0      | 90.2      | 93.0      | 93.7    |
| GE 900                | 20.3                        | 67.4    | 70.9    | 70.9    | 75.9    | 76.2        | 78.9    | 79.2        | 79.2        | 84.7    | 85.5      | 85.7      | 90.0      | 90.2      | 93.0      | 93.7    |
| GE 700                | 20.6                        | 67.7    | 71.2    | 71.2    | 76.7    | 76.9        | 80.2    | 80.5        | 80.5        | 86.0    | 86.7      | 87.0      | 91.2      | 91.5      | 94.2      | 95.0    |
| GE 600                | 20.6                        | 67.7    | 71.2    | 71.2    | 76.7    | 76.9        | 80.2    | 80.5        | 80.5        | 86.0    | 86.7      | 87.0      | 91.5      | 91.7      | 94.5      | 95.2    |
| GE 500                | 20.6                        | 67.7    | 71.2    | 71.2    | 76.7    | 76.9        | 80.2    | 80.5        | 80.5        | 86.2    | 87.0      | 87.2      | 91.7      | 92.0      | 94.7      | 95.7    |
| GE 400                | 20.8                        | 68.2    | 71.7    | 71.7    | 77.2    | 77.4        | 80.7    | 81.0        | 81.0        | 86.7    | 87.5      | 87.7      | 92.2      | 92.5      | 95.2      | 96.2    |
| GE 300                | 20.8                        | 68.2    | 71.7    | 71.7    | 77.2    | 77.4        | 80.7    | 81.0        | 81.0        | 86.7    | 87.5      | 87.7      | 92.2      | 92.5      | 95.2      | 96.2    |
| GE 200                | 20.8                        | 68.2    | 71.7    | 71.7    | 77.2    | 77.4        | 80.7    | 81.0        | 81.0        | 86.7    | 87.5      | 87.7      | 92.2      | 92.5      | 95.2      | 96.2    |
| GE 100                | 20.8                        | 68.2    | 71.7    | 71.7    | 77.2    | 77.4        | 80.7    | 81.0        | 81.0        | 86.7    | 87.5      | 87.7      | 92.2      | 92.5      | 95.2      | 96.2    |
| GE 000                | 20.8                        | 68.2    | 71.7    | 71.7    | 77.2    | 77.4        | 80.7    | 81.0        | 81.0        | 86.7    | 87.5      | 87.7      | 92.2      | 92.5      | 95.2      | 96.2    |

TOTAL NUMBER OF OBSERVATIONS 399

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
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               | 14.9                        | 40.4    | 41.6    | 41.6    | 43.7    | 43.7        | 45.8    | 45.9        | 45.9        | 48.0    | 48.4      | 48.6      | 51.0      | 51.4      | 52.5      | 53.7    |
| GE 20000              | 14.9                        | 40.8    | 42.0    | 42.0    | 44.1    | 44.1        | 46.3    | 46.3        | 46.3        | 48.5    | 48.9      | 49.1      | 51.5      | 52.0      | 53.0      | 54.2    |
| GE 18000              | 14.9                        | 40.9    | 42.0    | 42.0    | 44.1    | 44.1        | 46.3    | 46.4        | 46.4        | 48.6    | 49.0      | 49.1      | 51.6      | 52.0      | 53.1      | 54.3    |
| GE 16000              | 14.9                        | 41.1    | 42.2    | 42.2    | 44.3    | 44.3        | 46.5    | 46.6        | 46.6        | 48.8    | 49.2      | 49.3      | 51.8      | 52.2      | 53.3      | 54.4    |
| GE 14000              | 14.9                        | 41.2    | 42.4    | 42.4    | 44.5    | 44.5        | 46.6    | 46.7        | 46.7        | 48.9    | 49.4      | 49.5      | 52.0      | 52.4      | 53.5      | 54.6    |
| GE 12000              | 14.9                        | 41.5    | 42.7    | 42.7    | 44.8    | 44.8        | 47.0    | 47.0        | 47.0        | 49.3    | 49.7      | 49.8      | 52.3      | 52.7      | 53.8      | 55.0    |
| GE 10000              | 15.2                        | 43.4    | 44.5    | 44.5    | 46.6    | 46.6        | 48.8    | 48.9        | 48.9        | 51.1    | 51.6      | 51.8      | 54.3      | 54.8      | 55.9      | 57.0    |
| GE 9000               | 15.2                        | 43.4    | 44.6    | 44.6    | 46.7    | 46.7        | 48.9    | 48.9        | 48.9        | 51.2    | 51.7      | 51.8      | 54.3      | 54.8      | 55.9      | 57.1    |
| GE 8000               | 15.2                        | 44.0    | 45.2    | 45.2    | 47.3    | 47.3        | 49.5    | 49.6        | 49.6        | 51.8    | 52.4      | 52.5      | 55.1      | 55.6      | 56.7      | 57.9    |
| GE 7000               | 15.5                        | 46.1    | 47.3    | 47.3    | 49.6    | 49.7        | 52.0    | 52.0        | 52.0        | 54.3    | 54.9      | 55.0      | 57.7      | 58.2      | 59.4      | 60.5    |
| GE 6000               | 15.5                        | 46.4    | 47.7    | 47.7    | 50.2    | 50.3        | 52.5    | 52.7        | 52.7        | 55.0    | 55.6      | 55.7      | 58.5      | 59.0      | 60.2      | 61.4    |
| GE 5000               | 15.9                        | 48.2    | 49.6    | 49.6    | 52.1    | 52.2        | 54.6    | 54.8        | 54.8        | 57.2    | 57.8      | 57.9      | 60.7      | 61.2      | 62.4      | 63.7    |
| GE 4500               | 15.9                        | 48.2    | 49.6    | 49.6    | 52.2    | 52.3        | 54.6    | 54.9        | 54.9        | 57.3    | 57.8      | 58.0      | 60.8      | 61.3      | 62.5      | 63.8    |
| GE 4000               | 16.3                        | 49.4    | 50.8    | 50.8    | 53.4    | 53.4        | 55.9    | 56.1        | 56.1        | 58.5    | 59.1      | 59.2      | 62.0      | 62.5      | 63.7      | 65.0    |
| GE 3500               | 16.3                        | 49.5    | 50.9    | 50.9    | 53.5    | 53.6        | 56.0    | 56.2        | 56.2        | 58.6    | 59.2      | 59.3      | 62.1      | 62.6      | 63.9      | 65.1    |
| GE 3000               | 16.3                        | 49.8    | 51.2    | 51.2    | 54.0    | 54.1        | 56.6    | 56.8        | 56.3        | 59.2    | 59.8      | 59.9      | 62.7      | 63.2      | 64.4      | 65.8    |
| GE 2500               | 17.4                        | 52.8    | 54.3    | 54.3    | 57.1    | 57.2        | 59.8    | 60.0        | 60.0        | 62.4    | 63.0      | 63.1      | 66.0      | 66.5      | 67.7      | 69.0    |
| GE 2000               | 17.7                        | 54.9    | 56.7    | 56.7    | 59.8    | 59.8        | 62.4    | 62.8        | 62.8        | 65.2    | 66.0      | 66.1      | 69.2      | 69.9      | 71.1      | 72.4    |
| GE 1800               | 17.7                        | 54.9    | 56.7    | 56.7    | 59.8    | 59.8        | 62.4    | 62.8        | 62.8        | 65.2    | 66.0      | 66.1      | 69.2      | 69.9      | 71.1      | 72.4    |
| GE 1500               | 17.7                        | 56.0    | 58.1    | 58.1    | 61.3    | 61.4        | 64.0    | 64.4        | 64.4        | 66.8    | 67.6      | 67.7      | 70.9      | 71.5      | 72.7      | 74.1    |
| GE 1200               | 19.2                        | 60.8    | 63.9    | 63.9    | 68.5    | 68.6        | 72.0    | 72.4        | 72.4        | 75.4    | 76.2      | 76.3      | 79.7      | 80.4      | 81.8      | 83.1    |
| GE 1000               | 20.0                        | 64.6    | 68.3    | 68.3    | 73.9    | 74.0        | 77.9    | 78.5        | 78.5        | 82.3    | 83.2      | 83.4      | 86.9      | 87.6      | 89.9      | 91.5    |
| GE 900                | 20.0                        | 64.6    | 68.3    | 68.3    | 73.9    | 74.0        | 77.9    | 78.5        | 78.5        | 82.3    | 83.2      | 83.4      | 86.9      | 87.6      | 89.9      | 91.5    |
| GE 800                | 20.0                        | 64.7    | 68.5    | 68.5    | 74.1    | 74.2        | 78.2    | 78.8        | 78.8        | 82.7    | 83.6      | 83.7      | 87.3      | 88.0      | 90.3      | 91.9    |
| GE 700                | 20.0                        | 64.7    | 68.5    | 68.5    | 74.3    | 74.4        | 78.8    | 79.3        | 79.3        | 83.3    | 84.2      | 84.4      | 88.0      | 88.6      | 90.9      | 92.5    |
| GE 600                | 20.0                        | 64.7    | 68.5    | 68.5    | 74.3    | 74.4        | 78.8    | 79.3        | 79.3        | 83.3    | 84.2      | 84.4      | 88.0      | 88.7      | 91.0      | 92.8    |
| GE 500                | 20.0                        | 64.7    | 68.5    | 68.5    | 74.3    | 74.4        | 78.8    | 79.3        | 79.3        | 83.4    | 84.3      | 84.5      | 88.1      | 88.7      | 91.1      | 93.0    |
| GE 400                | 20.2                        | 65.1    | 68.9    | 68.9    | 74.7    | 74.8        | 79.1    | 79.8        | 79.9        | 84.1    | 85.0      | 85.2      | 88.9      | 89.5      | 91.9      | 93.9    |
| GE 300                | 20.2                        | 65.1    | 68.9    | 68.9    | 74.7    | 74.8        | 79.1    | 79.8        | 79.9        | 84.1    | 85.0      | 85.2      | 89.0      | 89.6      | 92.0      | 94.0    |
| GE 200                | 20.2                        | 65.1    | 68.9    | 68.9    | 74.7    | 74.8        | 79.1    | 79.8        | 79.9        | 84.1    | 85.0      | 85.2      | 89.8      | 90.5      | 93.0      | 95.6    |
| GE 100                | 20.2                        | 65.1    | 68.9    | 68.9    | 74.7    | 74.8        | 79.1    | 79.8        | 79.9        | 84.1    | 85.0      | 85.2      | 89.9      | 90.6      | 94.0      | 99.3    |
| GE 000                | 20.2                        | 65.1    | 68.9    | 68.9    | 74.7    | 74.8        | 79.1    | 79.8        | 79.9        | 84.1    | 85.0      | 85.2      | 89.9      | 90.6      | 94.0      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 1563

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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               | 15.4                        | 52.1    | 53.3    | 53.3    | 54.2    | 54.2        | 55.4    | 55.4        | 55.4        | 56.3    | 56.6      | 56.9      | 58.1      | 58.4      | 59.3      | 60.5    |
| GE 20000              | 15.4                        | 52.7    | 53.9    | 53.9    | 54.8    | 54.8        | 56.0    | 56.0        | 56.0        | 56.9    | 57.2      | 57.5      | 58.7      | 59.0      | 59.9      | 61.1    |
| GE 18000              | 15.4                        | 52.7    | 53.9    | 53.9    | 54.8    | 54.8        | 56.0    | 56.0        | 56.0        | 56.9    | 57.2      | 57.5      | 58.7      | 59.0      | 59.9      | 61.1    |
| GE 16000              | 15.4                        | 52.7    | 53.9    | 53.9    | 54.8    | 54.8        | 56.0    | 56.0        | 56.0        | 56.9    | 57.2      | 57.5      | 58.7      | 59.0      | 59.9      | 61.1    |
| GE 14000              | 15.4                        | 53.0    | 54.2    | 54.2    | 55.1    | 55.1        | 56.3    | 56.3        | 56.3        | 57.2    | 57.5      | 57.8      | 59.0      | 59.3      | 60.2      | 61.4    |
| GE 12000              | 15.4                        | 53.0    | 54.2    | 54.2    | 55.1    | 55.1        | 56.3    | 56.3        | 56.3        | 57.2    | 57.5      | 57.8      | 59.0      | 59.3      | 60.2      | 61.4    |
| GE 10000              | 15.4                        | 54.5    | 56.0    | 56.0    | 56.9    | 56.9        | 58.1    | 58.1        | 58.1        | 59.0    | 59.3      | 59.6      | 60.8      | 61.1      | 62.0      | 63.3    |
| GE 9000               | 15.4                        | 54.5    | 56.0    | 56.0    | 56.9    | 56.9        | 58.1    | 58.1        | 58.1        | 59.0    | 59.3      | 59.6      | 60.8      | 61.1      | 62.0      | 63.3    |
| GE 8000               | 15.4                        | 54.8    | 56.3    | 56.3    | 57.2    | 57.2        | 58.4    | 58.4        | 58.4        | 59.3    | 59.6      | 59.9      | 61.1      | 61.4      | 62.3      | 63.6    |
| GE 7000               | 15.4                        | 55.4    | 56.9    | 56.9    | 58.1    | 58.1        | 59.3    | 59.3        | 59.3        | 60.2    | 60.5      | 60.8      | 62.0      | 62.3      | 63.3      | 64.5    |
| GE 6000               | 15.4                        | 55.4    | 57.2    | 57.2    | 58.4    | 58.4        | 59.6    | 59.6        | 59.6        | 60.5    | 60.8      | 61.1      | 62.3      | 62.7      | 63.6      | 64.8    |
| GE 5000               | 16.3                        | 56.9    | 58.7    | 58.7    | 59.9    | 59.9        | 61.1    | 61.1        | 61.1        | 62.3    | 62.7      | 63.0      | 64.2      | 64.5      | 65.4      | 66.6    |
| GE 4500               | 16.3                        | 56.9    | 58.7    | 58.7    | 59.9    | 59.9        | 61.1    | 61.1        | 61.1        | 62.3    | 62.7      | 63.0      | 64.2      | 64.5      | 65.4      | 66.6    |
| GE 4000               | 16.6                        | 57.8    | 59.6    | 59.6    | 60.8    | 60.8        | 62.0    | 62.0        | 62.0        | 63.3    | 63.6      | 63.9      | 65.1      | 65.4      | 66.3      | 67.5    |
| GE 3500               | 16.6                        | 57.8    | 59.6    | 59.6    | 60.8    | 60.8        | 62.0    | 62.0        | 62.0        | 63.3    | 63.6      | 63.9      | 65.1      | 65.4      | 66.3      | 67.5    |
| GE 3000               | 16.6                        | 59.0    | 60.8    | 60.8    | 62.0    | 62.0        | 63.3    | 63.3        | 63.3        | 64.5    | 64.8      | 65.1      | 66.3      | 66.6      | 67.5      | 68.7    |
| GE 2500               | 17.8                        | 62.0    | 63.9    | 63.9    | 65.4    | 65.4        | 66.9    | 66.9        | 66.9        | 68.1    | 68.4      | 68.7      | 69.9      | 70.2      | 71.1      | 72.3    |
| GE 2000               | 17.8                        | 66.0    | 68.1    | 68.1    | 69.6    | 69.6        | 71.1    | 71.1        | 71.1        | 72.3    | 72.6      | 72.9      | 74.1      | 74.4      | 75.3      | 76.5    |
| GE 1800               | 17.8                        | 66.0    | 68.1    | 68.1    | 69.6    | 69.6        | 71.1    | 71.1        | 71.1        | 72.3    | 72.6      | 72.9      | 74.1      | 74.4      | 75.3      | 76.5    |
| GE 1500               | 18.1                        | 66.6    | 68.7    | 68.7    | 70.2    | 70.2        | 71.7    | 71.7        | 71.7        | 72.9    | 73.2      | 73.5      | 74.7      | 75.3      | 76.2      | 77.4    |
| GE 1200               | 20.2                        | 70.8    | 73.8    | 73.8    | 75.6    | 75.6        | 77.1    | 77.1        | 77.1        | 78.6    | 78.9      | 79.2      | 81.0      | 81.6      | 82.8      | 84.0    |
| GE 1000               | 21.4                        | 77.1    | 80.7    | 80.7    | 83.4    | 83.4        | 84.9    | 84.9        | 84.9        | 86.4    | 86.7      | 87.0      | 89.2      | 89.8      | 91.3      | 92.5    |
| GE 900                | 21.4                        | 77.1    | 80.7    | 80.7    | 83.4    | 83.4        | 84.9    | 84.9        | 84.9        | 86.4    | 86.7      | 87.0      | 89.2      | 89.8      | 91.3      | 92.5    |
| GE 800                | 21.4                        | 77.1    | 80.7    | 80.7    | 83.7    | 83.7        | 85.2    | 85.2        | 85.2        | 86.7    | 87.0      | 87.3      | 89.5      | 90.1      | 91.6      | 92.8    |
| GE 700                | 21.4                        | 77.1    | 80.7    | 80.7    | 83.7    | 83.7        | 85.2    | 85.2        | 85.2        | 86.7    | 87.0      | 87.3      | 89.5      | 90.1      | 91.6      | 92.8    |
| GE 600                | 21.4                        | 77.1    | 80.7    | 80.7    | 83.7    | 83.7        | 85.5    | 85.5        | 85.5        | 87.3    | 87.7      | 88.0      | 90.1      | 90.7      | 92.2      | 93.4    |
| GE 500                | 21.4                        | 77.1    | 80.7    | 80.7    | 83.7    | 83.7        | 85.5    | 85.5        | 85.5        | 87.3    | 87.7      | 88.0      | 90.7      | 91.3      | 93.1      | 94.3    |
| GE 400                | 22.0                        | 78.0    | 81.6    | 81.6    | 84.6    | 84.6        | 86.4    | 86.4        | 86.4        | 88.6    | 88.9      | 89.2      | 92.2      | 92.8      | 94.6      | 95.8    |
| GE 300                | 22.0                        | 78.0    | 81.6    | 81.6    | 84.6    | 84.6        | 86.4    | 86.4        | 86.4        | 88.6    | 88.9      | 89.2      | 92.2      | 92.8      | 94.6      | 95.8    |
| GE 200                | 22.0                        | 78.0    | 81.6    | 81.6    | 84.6    | 84.6        | 86.4    | 86.4        | 86.4        | 88.6    | 88.9      | 89.2      | 93.1      | 93.7      | 95.5      | 96.7    |
| GE 100                | 22.0                        | 78.0    | 81.6    | 81.6    | 84.6    | 84.6        | 86.4    | 86.4        | 86.4        | 88.6    | 88.9      | 89.2      | 93.1      | 93.7      | 97.0      | 99.7    |
| GE 000                | 22.0                        | 78.0    | 81.6    | 81.6    | 84.6    | 84.6        | 86.4    | 86.4        | 86.4        | 88.6    | 88.9      | 89.2      | 93.1      | 93.7      | 97.0      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 332

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
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               | 18.4                        | 48.8    | 50.3    | 50.3    | 52.8    | 52.8        | 54.7    | 55.3        | 55.3        | 57.2    | 57.2      | 57.2      | 58.1      | 58.1      | 59.1      | 59.4    |
| GE 20000              | 18.4                        | 49.4    | 50.9    | 50.9    | 53.4    | 53.4        | 55.3    | 55.9        | 55.9        | 57.8    | 57.8      | 57.8      | 58.8      | 58.8      | 59.7      | 60.0    |
| GE 18000              | 18.4                        | 49.4    | 50.9    | 50.9    | 53.4    | 53.4        | 55.3    | 55.9        | 55.9        | 57.8    | 57.8      | 57.8      | 58.8      | 58.8      | 59.7      | 60.0    |
| GE 16000              | 18.4                        | 49.4    | 50.9    | 50.9    | 53.4    | 53.4        | 55.3    | 55.9        | 55.9        | 57.8    | 57.8      | 57.8      | 58.8      | 58.8      | 59.7      | 60.0    |
| GE 14000              | 18.4                        | 49.4    | 50.9    | 50.9    | 53.4    | 53.4        | 55.3    | 55.9        | 55.9        | 57.8    | 57.8      | 57.8      | 58.8      | 58.8      | 59.7      | 60.0    |
| GE 12000              | 18.4                        | 49.4    | 50.9    | 50.9    | 53.4    | 53.4        | 55.3    | 55.9        | 55.9        | 57.8    | 57.8      | 57.8      | 58.8      | 58.8      | 59.7      | 60.0    |
| GE 10000              | 18.4                        | 50.0    | 51.6    | 51.6    | 54.1    | 54.1        | 55.9    | 56.6        | 56.6        | 58.4    | 58.4      | 58.4      | 59.4      | 59.4      | 60.3      | 60.6    |
| GE 9000               | 18.4                        | 50.0    | 51.6    | 51.6    | 54.1    | 54.1        | 55.9    | 56.6        | 56.6        | 58.4    | 58.4      | 58.4      | 59.4      | 59.4      | 60.3      | 60.6    |
| GE 8000               | 18.4                        | 50.9    | 52.5    | 52.5    | 55.0    | 55.0        | 56.9    | 57.5        | 57.5        | 59.4    | 59.4      | 59.4      | 60.3      | 60.3      | 61.3      | 61.6    |
| GE 7000               | 18.8                        | 52.5    | 54.1    | 54.1    | 56.6    | 56.6        | 58.4    | 59.1        | 59.1        | 61.3    | 61.3      | 61.3      | 62.2      | 62.2      | 63.1      | 63.4    |
| GE 6000               | 18.8                        | 52.8    | 54.4    | 54.4    | 57.2    | 57.2        | 59.1    | 59.7        | 59.7        | 61.9    | 61.9      | 61.9      | 62.8      | 62.8      | 63.8      | 64.1    |
| GE 5000               | 19.1                        | 54.4    | 55.9    | 55.9    | 59.1    | 59.1        | 60.9    | 61.6        | 61.6        | 63.8    | 63.8      | 63.8      | 64.7      | 64.7      | 65.6      | 65.9    |
| GE 4500               | 19.1                        | 54.4    | 55.9    | 55.9    | 59.1    | 59.1        | 60.9    | 61.6        | 61.6        | 63.8    | 63.8      | 63.8      | 64.7      | 64.7      | 65.6      | 65.9    |
| GE 4000               | 19.4                        | 55.9    | 57.5    | 57.5    | 60.6    | 60.6        | 62.5    | 63.1        | 63.1        | 65.3    | 65.3      | 65.3      | 66.3      | 66.3      | 67.2      | 67.5    |
| GE 3500               | 19.4                        | 55.9    | 57.5    | 57.5    | 60.6    | 60.6        | 62.5    | 63.1        | 63.1        | 65.3    | 65.3      | 65.3      | 66.3      | 66.3      | 67.2      | 67.5    |
| GE 3000               | 19.4                        | 57.8    | 59.4    | 59.4    | 62.5    | 62.5        | 64.4    | 65.0        | 65.0        | 67.2    | 67.2      | 67.2      | 68.1      | 68.1      | 69.1      | 69.4    |
| GE 2500               | 20.6                        | 59.4    | 61.3    | 61.3    | 64.4    | 64.4        | 66.3    | 66.9        | 66.9        | 69.1    | 69.1      | 69.1      | 70.0      | 70.0      | 70.9      | 71.3    |
| GE 2000               | 20.6                        | 61.3    | 63.1    | 63.1    | 66.6    | 66.6        | 68.4    | 69.1        | 69.1        | 71.3    | 71.3      | 71.3      | 72.2      | 72.2      | 73.1      | 73.4    |
| GE 1800               | 20.6                        | 61.3    | 63.1    | 63.1    | 66.6    | 66.6        | 68.4    | 69.1        | 69.1        | 71.3    | 71.3      | 71.3      | 72.2      | 72.2      | 73.1      | 73.4    |
| GE 1500               | 21.3                        | 62.8    | 65.6    | 65.6    | 69.4    | 69.4        | 71.3    | 71.9        | 71.9        | 74.1    | 74.1      | 74.1      | 75.0      | 75.0      | 75.9      | 76.3    |
| GE 1200               | 23.1                        | 69.1    | 72.2    | 72.2    | 76.3    | 76.3        | 78.1    | 78.8        | 79.1        | 81.6    | 81.6      | 81.6      | 83.1      | 83.1      | 84.1      | 84.4    |
| GE 1000               | 24.1                        | 72.5    | 78.1    | 78.1    | 83.4    | 83.4        | 85.9    | 86.6        | 86.9        | 89.7    | 90.0      | 90.0      | 92.2      | 92.2      | 93.1      | 93.4    |
| GE 900                | 24.1                        | 72.5    | 78.1    | 78.1    | 83.8    | 83.8        | 86.3    | 86.9        | 87.2        | 90.0    | 90.3      | 90.3      | 92.5      | 92.5      | 93.4      | 93.8    |
| GE 800                | 24.1                        | 72.8    | 78.4    | 78.4    | 84.1    | 84.1        | 86.9    | 87.5        | 87.8        | 90.6    | 90.9      | 90.9      | 93.1      | 93.1      | 94.1      | 94.4    |
| GE 700                | 24.4                        | 73.1    | 78.8    | 78.8    | 84.4    | 84.4        | 87.2    | 87.8        | 88.1        | 90.9    | 91.3      | 91.3      | 93.4      | 93.4      | 94.4      | 94.7    |
| GE 600                | 24.4                        | 73.1    | 78.8    | 78.8    | 84.4    | 84.4        | 87.2    | 87.8        | 88.1        | 90.9    | 91.3      | 91.3      | 93.4      | 93.4      | 94.4      | 94.7    |
| GE 500                | 24.4                        | 73.4    | 79.1    | 79.1    | 84.7    | 84.7        | 87.5    | 88.1        | 88.4        | 91.3    | 91.6      | 91.6      | 94.1      | 94.1      | 95.0      | 95.3    |
| GE 400                | 24.4                        | 73.4    | 79.1    | 79.1    | 84.7    | 84.7        | 87.5    | 88.1        | 88.4        | 91.9    | 92.2      | 92.2      | 94.7      | 94.7      | 95.6      | 95.9    |
| GE 300                | 24.4                        | 73.4    | 79.1    | 79.1    | 84.7    | 84.7        | 87.5    | 88.1        | 88.4        | 91.9    | 92.2      | 92.2      | 94.7      | 94.7      | 95.6      | 95.9    |
| GE 200                | 24.4                        | 73.8    | 79.4    | 79.4    | 85.0    | 85.0        | 87.8    | 88.4        | 88.8        | 92.2    | 92.5      | 92.5      | 95.0      | 95.0      | 95.9      | 96.3    |
| GE 100                | 24.4                        | 74.1    | 79.7    | 79.7    | 85.3    | 85.3        | 88.1    | 88.8        | 89.1        | 92.5    | 92.8      | 92.8      | 95.3      | 95.3      | 97.2      | 99.7    |
| GE 000                | 24.4                        | 74.1    | 79.7    | 79.7    | 85.3    | 85.3        | 88.1    | 88.8        | 89.1        | 92.5    | 92.8      | 92.8      | 95.3      | 95.3      | 97.2      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 320

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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               | 19.6                        | 45.9    | 46.8    | 46.8    | 48.6    | 48.6        | 50.5    | 51.1        | 51.1        | 52.9    | 52.9      | 52.9      | 54.4      | 54.4      | 56.9      | 58.7    |
| GE 20000              | 19.9                        | 47.4    | 48.3    | 48.3    | 50.2    | 50.2        | 52.0    | 52.6        | 52.6        | 54.4    | 54.4      | 54.4      | 56.0      | 56.0      | 58.4      | 60.2    |
| GE 18000              | 19.9                        | 47.4    | 48.3    | 48.3    | 50.2    | 50.2        | 52.0    | 52.6        | 52.6        | 54.4    | 54.4      | 54.4      | 56.0      | 56.0      | 58.4      | 60.2    |
| GE 16000              | 19.9                        | 47.4    | 48.6    | 48.6    | 50.5    | 50.5        | 52.3    | 52.9        | 52.9        | 54.7    | 54.7      | 54.7      | 56.3      | 56.3      | 58.7      | 60.6    |
| GE 14000              | 19.9                        | 47.4    | 48.6    | 48.6    | 50.5    | 50.5        | 52.3    | 52.9        | 52.9        | 54.7    | 54.7      | 54.7      | 56.3      | 56.3      | 58.7      | 60.6    |
| GE 12000              | 19.9                        | 47.4    | 48.6    | 48.6    | 50.5    | 50.5        | 52.3    | 52.9        | 52.9        | 54.7    | 54.7      | 54.7      | 56.3      | 56.3      | 58.7      | 60.6    |
| GE 10000              | 19.9                        | 48.0    | 49.2    | 49.2    | 51.1    | 51.1        | 52.9    | 53.5        | 53.5        | 55.4    | 55.4      | 55.4      | 56.9      | 56.9      | 59.3      | 61.2    |
| GE 9000               | 19.9                        | 48.0    | 49.2    | 49.2    | 51.1    | 51.1        | 52.9    | 53.5        | 53.5        | 55.4    | 55.4      | 55.4      | 56.9      | 56.9      | 59.3      | 61.2    |
| GE 8000               | 19.9                        | 48.9    | 50.2    | 50.2    | 52.0    | 52.0        | 53.8    | 54.4        | 54.4        | 56.3    | 56.3      | 56.3      | 57.8      | 57.8      | 60.2      | 62.1    |
| GE 7000               | 21.1                        | 51.1    | 52.6    | 52.6    | 54.4    | 54.4        | 56.3    | 56.9        | 56.9        | 58.7    | 58.7      | 58.7      | 60.2      | 60.2      | 62.7      | 64.5    |
| GE 6000               | 21.1                        | 52.3    | 53.8    | 53.8    | 55.7    | 55.7        | 57.5    | 58.1        | 58.1        | 59.9    | 59.9      | 59.9      | 61.8      | 61.8      | 64.2      | 66.1    |
| GE 5000               | 21.7                        | 53.8    | 55.4    | 55.4    | 57.5    | 57.5        | 59.3    | 59.9        | 59.9        | 61.8    | 61.8      | 61.8      | 63.6      | 63.6      | 66.1      | 67.9    |
| GE 4500               | 21.7                        | 53.8    | 55.4    | 55.4    | 57.5    | 57.5        | 59.3    | 59.9        | 59.9        | 61.8    | 61.8      | 61.8      | 63.6      | 63.6      | 66.1      | 67.9    |
| GE 4000               | 22.0                        | 54.4    | 56.0    | 56.0    | 58.1    | 58.1        | 59.9    | 60.6        | 60.6        | 62.4    | 62.4      | 62.4      | 64.2      | 64.2      | 66.7      | 68.5    |
| GE 3500               | 22.0                        | 54.4    | 56.0    | 56.0    | 58.1    | 58.1        | 59.9    | 60.6        | 60.6        | 62.4    | 62.4      | 62.4      | 64.2      | 64.2      | 66.7      | 68.5    |
| GE 3000               | 22.3                        | 55.4    | 57.2    | 57.2    | 59.6    | 59.6        | 61.5    | 62.1        | 62.1        | 63.9    | 63.9      | 63.9      | 65.7      | 65.7      | 68.2      | 70.0    |
| GE 2500               | 23.2                        | 58.7    | 60.6    | 60.6    | 63.0    | 63.0        | 64.8    | 65.4        | 65.4        | 67.6    | 67.6      | 67.6      | 69.7      | 69.7      | 72.2      | 74.3    |
| GE 2000               | 24.2                        | 61.2    | 63.3    | 63.3    | 65.7    | 65.7        | 67.9    | 68.8        | 68.8        | 71.6    | 71.6      | 71.6      | 73.7      | 73.7      | 76.1      | 78.3    |
| GE 1800               | 24.2                        | 61.2    | 63.3    | 63.3    | 65.7    | 65.7        | 67.9    | 68.8        | 68.8        | 71.6    | 71.6      | 71.6      | 73.7      | 73.7      | 76.1      | 78.3    |
| GE 1500               | 24.5                        | 62.4    | 65.1    | 65.1    | 68.2    | 68.2        | 70.3    | 71.3        | 71.3        | 74.3    | 74.3      | 74.3      | 76.5      | 76.5      | 78.9      | 81.0    |
| GE 1200               | 25.7                        | 65.1    | 68.2    | 68.2    | 71.6    | 71.6        | 73.7    | 74.6        | 74.6        | 78.6    | 78.6      | 78.6      | 81.0      | 81.0      | 84.1      | 87.2    |
| GE 1000               | 26.0                        | 67.6    | 70.6    | 70.6    | 74.0    | 74.0        | 76.8    | 78.0        | 78.0        | 82.6    | 83.5      | 83.5      | 86.2      | 86.2      | 89.6      | 92.7    |
| GE 900                | 26.0                        | 67.6    | 70.6    | 70.6    | 74.0    | 74.0        | 76.8    | 78.0        | 78.0        | 82.6    | 83.5      | 83.5      | 86.2      | 86.2      | 89.6      | 92.7    |
| GE 800                | 26.0                        | 67.9    | 70.9    | 70.9    | 74.3    | 74.3        | 77.4    | 78.6        | 78.6        | 83.2    | 84.1      | 84.1      | 86.9      | 86.9      | 90.2      | 93.3    |
| GE 700                | 26.0                        | 68.2    | 71.3    | 71.3    | 74.6    | 74.6        | 77.7    | 78.9        | 78.9        | 83.5    | 84.4      | 84.4      | 87.2      | 87.2      | 90.5      | 93.6    |
| GE 600                | 26.0                        | 68.2    | 71.3    | 71.3    | 74.6    | 74.6        | 77.7    | 78.9        | 78.9        | 83.5    | 84.4      | 84.4      | 87.2      | 87.2      | 90.5      | 93.6    |
| GE 500                | 26.0                        | 68.2    | 71.3    | 71.3    | 74.9    | 74.9        | 78.0    | 79.2        | 79.2        | 84.1    | 85.0      | 85.0      | 87.8      | 87.8      | 91.1      | 94.5    |
| GE 400                | 26.0                        | 68.2    | 71.3    | 71.3    | 74.9    | 74.9        | 78.3    | 79.5        | 79.5        | 84.7    | 85.6      | 85.6      | 88.4      | 88.4      | 91.7      | 95.1    |
| GE 300                | 26.0                        | 68.2    | 71.3    | 71.3    | 74.9    | 74.9        | 78.3    | 79.5        | 79.5        | 84.7    | 85.6      | 85.6      | 88.4      | 88.4      | 91.7      | 95.1    |
| GE 200                | 26.3                        | 68.5    | 71.6    | 71.6    | 75.2    | 75.2        | 78.6    | 79.8        | 79.8        | 85.0    | 85.9      | 85.9      | 88.7      | 88.7      | 92.7      | 96.6    |
| GE 100                | 26.3                        | 68.5    | 71.6    | 71.6    | 75.2    | 75.2        | 78.6    | 79.8        | 79.8        | 85.0    | 85.9      | 85.9      | 88.7      | 88.7      | 93.0      | 100.0   |
| GE 000                | 26.3                        | 68.5    | 71.6    | 71.6    | 75.2    | 75.2        | 78.6    | 79.8        | 79.8        | 85.0    | 85.9      | 85.9      | 88.7      | 88.7      | 93.0      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 327

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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               | 20.0                        | 51.0    | 51.9    | 51.9    | 54.2    | 54.2        | 55.1    | 55.1        | 55.1        | 58.8    | 58.8      | 58.8      | 60.9      | 60.9      | 61.7      | 63.8    |
| GE 20000              | 20.0                        | 51.3    | 52.2    | 52.2    | 54.5    | 54.5        | 55.4    | 55.4        | 55.4        | 59.1    | 59.1      | 59.1      | 61.2      | 61.2      | 62.0      | 64.1    |
| GE 18000              | 20.0                        | 51.3    | 52.2    | 52.2    | 54.5    | 54.5        | 55.4    | 55.4        | 55.4        | 59.1    | 59.1      | 59.1      | 61.2      | 61.2      | 62.0      | 64.1    |
| GE 16000              | 20.0                        | 51.3    | 52.2    | 52.2    | 54.5    | 54.5        | 55.4    | 55.4        | 55.4        | 59.1    | 59.1      | 59.1      | 61.2      | 61.2      | 62.0      | 64.1    |
| GE 14000              | 20.0                        | 51.3    | 52.2    | 52.2    | 54.8    | 54.8        | 55.7    | 55.7        | 55.7        | 59.4    | 59.4      | 59.4      | 61.4      | 61.4      | 62.3      | 64.3    |
| GE 12000              | 20.0                        | 51.3    | 52.2    | 52.2    | 54.8    | 54.8        | 55.7    | 55.7        | 55.7        | 59.4    | 59.4      | 59.4      | 61.4      | 61.4      | 62.3      | 64.3    |
| GE 10000              | 20.3                        | 52.8    | 53.6    | 53.6    | 56.2    | 56.2        | 57.1    | 57.1        | 57.1        | 60.9    | 60.9      | 60.9      | 62.9      | 62.9      | 63.8      | 65.8    |
| GE 9000               | 20.3                        | 53.0    | 53.9    | 53.9    | 56.5    | 56.5        | 57.4    | 57.4        | 57.4        | 61.2    | 61.2      | 61.2      | 63.2      | 63.2      | 64.1      | 66.1    |
| GE 8000               | 20.3                        | 53.0    | 53.9    | 53.9    | 56.5    | 56.5        | 57.4    | 57.4        | 57.4        | 61.2    | 61.2      | 61.2      | 63.2      | 63.2      | 64.1      | 66.1    |
| GE 7000               | 20.3                        | 53.9    | 54.8    | 54.8    | 57.7    | 57.7        | 58.6    | 58.6        | 58.6        | 62.3    | 62.3      | 62.3      | 64.3      | 64.3      | 65.5      | 67.5    |
| GE 6000               | 20.3                        | 53.9    | 55.1    | 55.1    | 58.3    | 58.3        | 59.1    | 59.1        | 59.1        | 63.2    | 63.2      | 63.2      | 65.2      | 65.2      | 66.4      | 68.4    |
| GE 5000               | 21.2                        | 55.7    | 57.1    | 57.1    | 60.6    | 60.6        | 61.4    | 61.4        | 61.4        | 65.5    | 65.5      | 65.5      | 67.5      | 67.5      | 68.7      | 70.7    |
| GE 4500               | 21.2                        | 55.7    | 57.1    | 57.1    | 60.6    | 60.6        | 61.4    | 61.4        | 61.4        | 65.5    | 65.5      | 65.5      | 67.5      | 67.5      | 68.7      | 70.7    |
| GE 4000               | 21.2                        | 56.2    | 57.7    | 57.7    | 61.2    | 61.2        | 62.0    | 62.0        | 62.0        | 66.1    | 66.1      | 66.1      | 68.1      | 68.1      | 69.3      | 71.3    |
| GE 3500               | 21.2                        | 56.2    | 57.7    | 57.7    | 61.2    | 61.2        | 62.0    | 62.0        | 62.0        | 66.1    | 66.1      | 66.1      | 68.1      | 68.1      | 69.3      | 71.3    |
| GE 3000               | 21.2                        | 56.8    | 58.3    | 58.3    | 61.7    | 61.7        | 62.6    | 62.6        | 62.6        | 66.7    | 66.7      | 66.7      | 68.7      | 68.7      | 69.9      | 71.9    |
| GE 2500               | 21.4                        | 59.7    | 61.4    | 61.4    | 64.9    | 64.9        | 65.8    | 65.8        | 65.8        | 70.1    | 70.1      | 70.1      | 72.5      | 72.5      | 73.6      | 75.7    |
| GE 2000               | 21.4                        | 62.0    | 63.8    | 63.8    | 67.2    | 67.2        | 68.1    | 68.1        | 68.1        | 72.5    | 72.5      | 72.5      | 74.8      | 74.8      | 75.9      | 78.0    |
| GE 1800               | 21.4                        | 62.0    | 63.8    | 63.8    | 67.2    | 67.2        | 68.1    | 68.1        | 68.1        | 72.5    | 72.5      | 72.5      | 74.8      | 74.8      | 75.9      | 78.0    |
| GE 1500               | 21.4                        | 62.3    | 64.1    | 64.1    | 67.5    | 67.5        | 68.4    | 68.4        | 68.4        | 73.0    | 73.0      | 73.0      | 75.4      | 75.4      | 76.5      | 78.6    |
| GE 1200               | 22.0                        | 65.5    | 67.2    | 67.2    | 71.3    | 71.3        | 72.2    | 72.2        | 72.2        | 77.1    | 77.1      | 77.1      | 80.0      | 80.0      | 81.4      | 83.8    |
| GE 1000               | 23.2                        | 71.6    | 73.9    | 73.9    | 79.4    | 79.4        | 80.9    | 80.9        | 80.9        | 86.1    | 86.1      | 86.1      | 89.3      | 89.3      | 90.7      | 93.0    |
| GE 900                | 23.2                        | 71.6    | 74.2    | 74.2    | 79.7    | 79.7        | 81.2    | 81.2        | 81.2        | 86.4    | 86.4      | 86.4      | 89.6      | 89.6      | 91.3      | 93.6    |
| GE 800                | 23.2                        | 71.9    | 74.5    | 74.5    | 80.0    | 80.3        | 81.7    | 81.7        | 81.7        | 87.0    | 87.0      | 87.0      | 90.1      | 90.1      | 91.9      | 94.2    |
| GE 700                | 23.2                        | 72.2    | 74.8    | 74.8    | 80.3    | 80.6        | 82.0    | 82.0        | 82.0        | 87.2    | 87.2      | 87.2      | 90.4      | 90.4      | 92.2      | 94.5    |
| GE 600                | 23.2                        | 72.2    | 74.8    | 74.8    | 80.3    | 80.6        | 82.0    | 82.0        | 82.0        | 87.2    | 87.2      | 87.2      | 90.4      | 90.4      | 92.2      | 94.5    |
| GE 500                | 23.2                        | 72.2    | 74.8    | 74.8    | 80.3    | 80.6        | 82.0    | 82.0        | 82.0        | 87.2    | 87.2      | 87.2      | 90.4      | 90.4      | 92.5      | 94.8    |
| GE 400                | 23.8                        | 72.8    | 75.4    | 75.4    | 80.9    | 81.2        | 82.9    | 82.9        | 82.9        | 88.1    | 88.1      | 88.1      | 91.6      | 91.6      | 93.6      | 95.9    |
| GE 300                | 23.8                        | 72.8    | 75.4    | 75.4    | 80.9    | 81.2        | 82.9    | 82.9        | 82.9        | 88.1    | 88.1      | 88.1      | 91.6      | 91.6      | 93.6      | 95.9    |
| GE 200                | 23.8                        | 72.8    | 75.4    | 75.4    | 80.9    | 81.2        | 82.9    | 82.9        | 82.9        | 88.1    | 88.1      | 88.1      | 92.2      | 92.2      | 94.2      | 96.5    |
| GE 100                | 23.8                        | 73.0    | 75.7    | 75.7    | 81.2    | 81.4        | 83.2    | 83.2        | 83.2        | 88.4    | 88.4      | 88.4      | 92.5      | 92.5      | 95.7      | 99.7    |
| GE 000                | 23.8                        | 73.3    | 75.9    | 75.9    | 81.4    | 81.7        | 83.5    | 83.5        | 83.5        | 88.7    | 88.7      | 88.7      | 92.8      | 92.8      | 95.9      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 345



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
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               | 18.4                        | 49.5    | 50.6    | 50.6    | 52.5    | 52.5        | 53.9    | 54.2        | 54.2        | 56.3    | 56.4      | 56.5      | 57.9      | 58.0      | 59.3      | 60.6    |
| GE 20000              | 18.4                        | 50.2    | 51.4    | 51.4    | 53.2    | 53.2        | 54.7    | 55.0        | 55.0        | 57.1    | 57.2      | 57.3      | 58.7      | 58.8      | 60.0      | 61.4    |
| GE 18000              | 18.4                        | 50.2    | 51.4    | 51.4    | 53.2    | 53.2        | 54.7    | 55.0        | 55.0        | 57.1    | 57.2      | 57.3      | 58.7      | 58.8      | 60.0      | 61.4    |
| GE 16000              | 18.4                        | 50.2    | 51.4    | 51.4    | 53.3    | 53.3        | 54.8    | 55.1        | 55.1        | 57.2    | 57.3      | 57.3      | 58.8      | 58.8      | 60.1      | 61.5    |
| GE 14000              | 18.4                        | 50.3    | 51.5    | 51.5    | 53.5    | 53.5        | 54.9    | 55.2        | 55.2        | 57.3    | 57.4      | 57.5      | 58.9      | 59.0      | 60.3      | 61.6    |
| GE 12000              | 18.4                        | 50.3    | 51.5    | 51.5    | 53.5    | 53.5        | 54.9    | 55.2        | 55.2        | 57.3    | 57.4      | 57.5      | 58.9      | 59.0      | 60.3      | 61.6    |
| GE 10000              | 18.5                        | 51.4    | 52.6    | 52.6    | 54.6    | 54.6        | 56.0    | 56.3        | 56.3        | 58.5    | 58.5      | 58.6      | 60.0      | 60.1      | 61.4      | 62.8    |
| GE 9000               | 18.5                        | 51.4    | 52.7    | 52.7    | 54.7    | 54.7        | 56.1    | 56.4        | 56.4        | 58.5    | 58.6      | 58.7      | 60.1      | 60.2      | 61.5      | 62.8    |
| GE 8000               | 18.5                        | 52.0    | 53.2    | 53.2    | 55.2    | 55.2        | 56.6    | 56.9        | 56.9        | 59.1    | 59.1      | 59.2      | 60.6      | 60.7      | 62.0      | 63.4    |
| GE 7000               | 18.9                        | 53.2    | 54.6    | 54.6    | 56.7    | 56.7        | 58.2    | 58.5        | 58.5        | 60.6    | 60.7      | 60.8      | 62.2      | 62.3      | 63.7      | 65.0    |
| GE 6000               | 18.9                        | 53.6    | 55.1    | 55.1    | 57.4    | 57.4        | 58.8    | 59.1        | 59.1        | 61.4    | 61.5      | 61.6      | 63.1      | 63.1      | 64.5      | 65.9    |
| GE 5000               | 19.6                        | 55.2    | 56.8    | 56.8    | 59.3    | 59.3        | 60.7    | 61.0        | 61.0        | 63.4    | 63.4      | 63.5      | 65.0      | 65.1      | 66.5      | 67.8    |
| GE 4500               | 19.6                        | 55.2    | 56.8    | 56.8    | 59.3    | 59.3        | 60.7    | 61.0        | 61.0        | 63.4    | 63.4      | 63.5      | 65.0      | 65.1      | 66.5      | 67.8    |
| GE 4000               | 19.8                        | 56.1    | 57.7    | 57.7    | 60.2    | 60.2        | 61.6    | 61.9        | 61.9        | 64.3    | 64.4      | 64.4      | 65.9      | 66.0      | 67.4      | 68.7    |
| GE 3500               | 19.8                        | 56.1    | 57.7    | 57.7    | 60.2    | 60.2        | 61.6    | 61.9        | 61.9        | 64.3    | 64.4      | 64.4      | 65.9      | 66.0      | 67.4      | 68.7    |
| GE 3000               | 19.9                        | 57.3    | 58.9    | 58.9    | 61.5    | 61.5        | 62.9    | 63.2        | 63.2        | 65.6    | 65.6      | 65.7      | 67.2      | 67.3      | 68.7      | 70.0    |
| GE 2500               | 20.8                        | 60.0    | 61.8    | 61.8    | 64.4    | 64.4        | 65.9    | 66.2        | 66.2        | 68.7    | 68.8      | 68.9      | 70.5      | 70.6      | 72.0      | 73.4    |
| GE 2000               | 21.0                        | 62.6    | 64.6    | 64.6    | 67.3    | 67.3        | 68.9    | 69.3        | 69.3        | 71.9    | 72.0      | 72.1      | 73.7      | 73.8      | 75.2      | 76.6    |
| GE 1800               | 21.0                        | 62.6    | 64.6    | 64.6    | 67.3    | 67.3        | 68.9    | 69.3        | 69.3        | 71.9    | 72.0      | 72.1      | 73.7      | 73.8      | 75.2      | 76.6    |
| GE 1500               | 21.3                        | 63.5    | 65.9    | 65.9    | 68.8    | 68.8        | 70.4    | 70.8        | 70.8        | 73.6    | 73.6      | 73.7      | 75.4      | 75.5      | 76.9      | 78.3    |
| GE 1200               | 22.7                        | 67.6    | 70.3    | 70.3    | 73.6    | 73.6        | 75.2    | 75.6        | 75.7        | 78.9    | 79.0      | 79.1      | 81.3      | 81.4      | 83.1      | 84.8    |
| GE 1000               | 23.6                        | 72.2    | 75.8    | 75.8    | 80.1    | 80.1        | 82.1    | 82.6        | 82.6        | 86.2    | 86.6      | 86.6      | 89.2      | 89.4      | 91.2      | 92.9    |
| GE 900                | 23.6                        | 72.2    | 75.9    | 75.9    | 80.2    | 80.2        | 82.3    | 82.7        | 82.8        | 86.3    | 86.7      | 86.8      | 89.4      | 89.5      | 91.4      | 93.1    |
| GE 800                | 23.6                        | 72.4    | 76.1    | 76.1    | 80.5    | 80.6        | 82.8    | 83.2        | 83.3        | 86.9    | 87.2      | 87.3      | 89.9      | 90.0      | 91.9      | 93.7    |
| GE 700                | 23.7                        | 72.7    | 76.4    | 76.4    | 80.7    | 80.8        | 83.0    | 83.5        | 83.5        | 87.1    | 87.5      | 87.5      | 90.1      | 90.3      | 92.1      | 93.9    |
| GE 600                | 23.7                        | 72.7    | 76.4    | 76.4    | 80.7    | 80.8        | 83.1    | 83.5        | 83.6        | 87.2    | 87.6      | 87.7      | 90.3      | 90.4      | 92.3      | 94.0    |
| GE 500                | 23.7                        | 72.7    | 76.4    | 76.4    | 80.9    | 81.0        | 83.2    | 83.7        | 83.8        | 87.5    | 87.8      | 87.9      | 90.7      | 90.9      | 92.9      | 94.7    |
| GE 400                | 24.0                        | 73.1    | 76.8    | 76.8    | 81.3    | 81.3        | 83.8    | 84.2        | 84.3        | 88.3    | 88.7      | 88.7      | 91.7      | 91.8      | 93.9      | 95.7    |
| GE 300                | 24.0                        | 73.1    | 76.8    | 76.8    | 81.3    | 81.3        | 83.8    | 84.2        | 84.3        | 88.3    | 88.7      | 88.7      | 91.7      | 91.8      | 93.9      | 95.7    |
| GE 200                | 24.1                        | 73.3    | 77.0    | 77.0    | 81.4    | 81.5        | 83.9    | 84.4        | 84.4        | 88.4    | 88.8      | 88.9      | 92.2      | 92.4      | 94.6      | 96.5    |
| GE 100                | 24.1                        | 73.4    | 77.1    | 77.1    | 81.6    | 81.6        | 84.1    | 84.5        | 84.6        | 88.6    | 89.0      | 89.0      | 92.4      | 92.6      | 95.7      | 99.8    |
| GE 000                | 24.1                        | 73.5    | 77.2    | 77.2    | 81.6    | 81.7        | 84.1    | 84.6        | 84.7        | 88.7    | 89.0      | 89.1      | 92.4      | 92.7      | 95.8      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 1324

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
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               | 19.5                        | 60.2    | 64.1    | 64.1    | 67.2    | 67.2        | 68.0    | 68.4        | 68.4        | 70.4    | 70.4      | 70.4      | 72.5      | 72.5      | 74.2      | 76.1    |
| GE 20000              | 19.5                        | 60.5    | 64.3    | 64.3    | 67.5    | 67.5        | 68.2    | 68.7        | 68.7        | 70.6    | 70.6      | 70.6      | 72.8      | 72.8      | 74.5      | 76.4    |
| GE 18000              | 19.5                        | 60.5    | 64.3    | 64.3    | 67.5    | 67.5        | 68.2    | 68.7        | 68.7        | 70.6    | 70.6      | 70.6      | 72.8      | 72.8      | 74.5      | 76.4    |
| GE 16000              | 19.5                        | 60.5    | 64.3    | 64.3    | 67.5    | 67.5        | 68.2    | 68.7        | 68.7        | 70.6    | 70.6      | 70.6      | 72.8      | 72.8      | 74.5      | 76.4    |
| GE 14000              | 19.5                        | 60.5    | 64.3    | 64.3    | 67.5    | 67.5        | 68.2    | 68.7        | 68.7        | 70.6    | 70.6      | 70.6      | 72.8      | 72.8      | 74.5      | 76.4    |
| GE 12000              | 19.5                        | 60.7    | 64.6    | 64.6    | 67.7    | 67.7        | 68.4    | 68.9        | 68.9        | 70.8    | 70.8      | 70.8      | 73.0      | 73.0      | 74.7      | 76.6    |
| GE 10000              | 19.5                        | 61.0    | 64.8    | 64.8    | 68.2    | 68.2        | 68.9    | 69.4        | 69.4        | 71.3    | 71.3      | 71.3      | 73.5      | 73.5      | 75.2      | 77.1    |
| GE 9000               | 19.5                        | 61.0    | 64.8    | 64.8    | 68.2    | 68.2        | 68.9    | 69.4        | 69.4        | 71.3    | 71.3      | 71.3      | 73.5      | 73.5      | 75.2      | 77.1    |
| GE 8000               | 19.5                        | 61.0    | 64.8    | 64.8    | 68.2    | 68.2        | 68.9    | 69.4        | 69.4        | 71.3    | 71.3      | 71.3      | 73.5      | 73.5      | 75.2      | 77.1    |
| GE 7000               | 19.5                        | 61.4    | 65.3    | 65.3    | 68.7    | 68.7        | 69.4    | 69.9        | 69.9        | 71.8    | 71.8      | 71.8      | 74.2      | 74.2      | 75.9      | 77.8    |
| GE 6000               | 19.5                        | 61.4    | 65.3    | 65.3    | 68.7    | 68.7        | 69.4    | 69.9        | 69.9        | 71.8    | 71.8      | 71.8      | 74.2      | 74.2      | 75.9      | 77.8    |
| GE 5000               | 20.0                        | 62.4    | 66.3    | 66.3    | 69.6    | 69.6        | 70.4    | 70.8        | 70.8        | 72.8    | 72.8      | 72.8      | 75.2      | 75.2      | 76.9      | 78.8    |
| GE 4500               | 20.0                        | 62.4    | 66.3    | 66.3    | 69.6    | 69.6        | 70.4    | 70.8        | 70.8        | 72.8    | 72.8      | 72.8      | 75.2      | 75.2      | 76.9      | 78.8    |
| GE 4000               | 20.0                        | 62.7    | 66.5    | 66.5    | 69.9    | 69.9        | 70.6    | 71.1        | 71.1        | 73.0    | 73.0      | 73.0      | 75.4      | 75.4      | 77.1      | 79.0    |
| GE 3500               | 20.0                        | 62.7    | 66.5    | 66.5    | 69.9    | 69.9        | 70.6    | 71.1        | 71.1        | 73.0    | 73.0      | 73.0      | 75.4      | 75.4      | 77.1      | 79.0    |
| GE 3000               | 20.0                        | 62.7    | 66.5    | 66.5    | 70.1    | 70.1        | 70.8    | 71.3        | 71.3        | 73.3    | 73.3      | 73.3      | 75.7      | 75.7      | 77.3      | 79.3    |
| GE 2500               | 20.5                        | 64.8    | 68.7    | 68.7    | 72.3    | 72.3        | 73.0    | 73.5        | 73.5        | 75.4    | 75.4      | 75.4      | 77.8      | 77.8      | 79.5      | 81.4    |
| GE 2000               | 21.2                        | 67.0    | 70.8    | 70.8    | 75.2    | 75.2        | 76.1    | 76.9        | 76.9        | 79.0    | 79.0      | 79.0      | 81.4      | 81.4      | 83.1      | 85.1    |
| GE 1800               | 21.2                        | 67.0    | 70.8    | 70.8    | 75.2    | 75.2        | 76.1    | 76.9        | 76.9        | 79.0    | 79.0      | 79.0      | 81.4      | 81.4      | 83.1      | 85.1    |
| GE 1500               | 21.2                        | 67.5    | 71.6    | 71.6    | 75.9    | 75.9        | 76.9    | 77.6        | 77.6        | 79.8    | 79.8      | 79.8      | 82.2      | 82.2      | 83.9      | 85.8    |
| GE 1200               | 22.7                        | 71.6    | 75.9    | 75.9    | 80.5    | 80.5        | 81.7    | 82.4        | 82.4        | 85.1    | 85.1      | 85.1      | 87.7      | 87.7      | 89.4      | 91.3    |
| GE 1000               | 22.7                        | 73.3    | 77.8    | 77.8    | 83.9    | 83.9        | 85.1    | 85.8        | 85.8        | 88.4    | 88.4      | 88.4      | 91.8      | 91.8      | 93.7      | 95.9    |
| GE 900                | 22.7                        | 73.3    | 77.8    | 77.8    | 83.9    | 83.9        | 85.1    | 85.8        | 85.8        | 88.4    | 88.4      | 88.4      | 91.8      | 91.8      | 93.7      | 95.9    |
| GE 800                | 22.7                        | 73.5    | 78.1    | 78.1    | 84.1    | 84.1        | 85.8    | 86.5        | 86.5        | 89.2    | 89.2      | 89.2      | 92.5      | 92.5      | 94.5      | 96.6    |
| GE 700                | 22.7                        | 73.5    | 78.1    | 78.1    | 84.1    | 84.1        | 85.8    | 86.5        | 86.5        | 89.2    | 89.2      | 89.2      | 92.5      | 92.5      | 94.5      | 96.6    |
| GE 600                | 22.7                        | 73.5    | 78.1    | 78.1    | 84.1    | 84.1        | 85.8    | 86.5        | 86.5        | 89.2    | 89.2      | 89.2      | 92.5      | 92.5      | 94.5      | 96.6    |
| GE 500                | 22.7                        | 73.5    | 78.3    | 78.3    | 84.3    | 84.3        | 86.0    | 86.7        | 86.7        | 89.4    | 89.4      | 89.4      | 92.8      | 92.8      | 94.7      | 96.9    |
| GE 400                | 22.7                        | 73.5    | 78.3    | 78.3    | 84.3    | 84.3        | 86.0    | 86.7        | 86.7        | 89.4    | 89.4      | 89.4      | 92.8      | 92.8      | 94.7      | 96.9    |
| GE 300                | 22.7                        | 73.5    | 78.3    | 78.3    | 84.3    | 84.3        | 86.0    | 86.7        | 86.7        | 89.4    | 89.4      | 89.4      | 92.8      | 92.8      | 94.7      | 96.9    |
| GE 200                | 22.7                        | 73.7    | 78.6    | 78.6    | 84.6    | 84.6        | 86.3    | 87.0        | 87.0        | 89.6    | 89.6      | 89.6      | 93.3      | 93.3      | 95.2      | 97.3    |
| GE 100                | 22.7                        | 73.7    | 78.6    | 78.6    | 84.6    | 84.6        | 86.3    | 87.0        | 87.0        | 89.6    | 89.6      | 89.6      | 93.3      | 93.3      | 95.7      | 100.0   |
| GE 000                | 22.7                        | 73.7    | 78.6    | 78.6    | 84.6    | 84.6        | 86.3    | 87.0        | 87.0        | 89.6    | 89.6      | 89.6      | 93.3      | 93.3      | 95.7      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 415

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
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 |
| NO CEIL               | 12.9                        | 40.1    | 43.2    | 43.2    | 47.0    | 47.5        | 49.4    | 50.1        | 50.1        | 54.0    | 54.3      | 54.3      | 57.6      | 57.6      | 61.8      | 64.9    |
| GE 20000              | 12.9                        | 40.8    | 43.9    | 43.9    | 48.1    | 48.6        | 50.4    | 51.2        | 51.2        | 55.0    | 55.3      | 55.3      | 58.7      | 58.7      | 62.8      | 65.9    |
| GE 18000              | 12.9                        | 41.1    | 44.2    | 44.2    | 48.3    | 48.8        | 50.6    | 51.4        | 51.4        | 55.3    | 55.6      | 55.6      | 58.9      | 58.9      | 63.0      | 66.1    |
| GE 16000              | 12.9                        | 41.1    | 44.2    | 44.2    | 48.3    | 48.8        | 50.6    | 51.4        | 51.4        | 55.3    | 55.6      | 55.6      | 58.9      | 58.9      | 63.0      | 66.1    |
| GE 14000              | 12.9                        | 41.9    | 45.0    | 45.0    | 49.1    | 49.6        | 51.4    | 52.2        | 52.2        | 56.1    | 56.3      | 56.3      | 59.7      | 59.7      | 63.8      | 66.9    |
| GE 12000              | 12.9                        | 42.1    | 45.2    | 45.2    | 49.4    | 49.9        | 51.7    | 52.5        | 52.5        | 56.3    | 56.6      | 56.6      | 59.9      | 59.9      | 64.1      | 67.2    |
| GE 10000              | 12.9                        | 43.4    | 46.5    | 46.5    | 50.6    | 51.2        | 53.0    | 53.7        | 53.7        | 57.6    | 57.9      | 57.9      | 61.2      | 61.2      | 65.4      | 68.5    |
| GE 9000               | 12.9                        | 43.4    | 46.5    | 46.5    | 50.6    | 51.2        | 53.0    | 53.7        | 53.7        | 57.6    | 57.9      | 57.9      | 61.2      | 61.5      | 65.6      | 68.7    |
| GE 8000               | 13.2                        | 43.9    | 47.0    | 47.0    | 51.2    | 51.7        | 53.5    | 54.3        | 54.3        | 58.1    | 58.4      | 58.4      | 61.8      | 62.0      | 66.4      | 69.5    |
| GE 7000               | 13.2                        | 44.2    | 47.8    | 47.8    | 51.9    | 52.5        | 54.5    | 55.3        | 55.3        | 59.4    | 59.7      | 59.7      | 63.0      | 63.3      | 68.0      | 71.1    |
| GE 6000               | 13.2                        | 44.7    | 48.3    | 48.3    | 52.5    | 53.0        | 55.0    | 55.8        | 55.8        | 60.2    | 60.5      | 60.7      | 64.1      | 64.3      | 69.0      | 72.1    |
| GE 5000               | 13.4                        | 45.2    | 48.8    | 48.8    | 53.0    | 53.5        | 55.6    | 56.6        | 56.6        | 61.0    | 61.2      | 61.5      | 64.9      | 65.1      | 69.8      | 73.1    |
| GE 4500               | 13.4                        | 45.2    | 48.8    | 48.8    | 53.0    | 53.5        | 55.6    | 56.6        | 56.6        | 61.0    | 61.2      | 61.5      | 64.9      | 65.1      | 69.8      | 73.1    |
| GE 4000               | 13.4                        | 45.5    | 49.1    | 49.1    | 53.2    | 53.7        | 55.8    | 56.8        | 56.8        | 61.2    | 61.5      | 61.8      | 65.1      | 65.4      | 70.0      | 73.4    |
| GE 3500               | 13.4                        | 45.5    | 49.1    | 49.1    | 53.2    | 53.7        | 55.8    | 56.8        | 56.8        | 61.2    | 61.5      | 61.8      | 65.1      | 65.4      | 70.0      | 73.4    |
| GE 3000               | 14.7                        | 47.3    | 50.9    | 50.9    | 55.0    | 55.6        | 57.6    | 58.7        | 58.7        | 63.0    | 63.3      | 63.6      | 66.9      | 67.2      | 71.8      | 75.2    |
| GE 2500               | 15.0                        | 49.1    | 52.7    | 52.7    | 57.1    | 57.6        | 59.7    | 60.7        | 60.7        | 65.4    | 65.9      | 66.1      | 69.5      | 69.8      | 74.4      | 77.8    |
| GE 2000               | 15.0                        | 51.2    | 55.0    | 55.0    | 59.4    | 59.9        | 62.0    | 63.0        | 63.0        | 67.7    | 68.2      | 68.5      | 71.8      | 72.1      | 76.7      | 80.1    |
| GE 1800               | 15.0                        | 51.2    | 55.0    | 55.0    | 59.4    | 59.9        | 62.3    | 63.3        | 63.3        | 68.0    | 68.5      | 68.7      | 72.1      | 72.4      | 77.0      | 80.4    |
| GE 1500               | 16.0                        | 52.7    | 57.1    | 57.1    | 61.8    | 62.3        | 64.9    | 65.9        | 65.9        | 70.8    | 71.6      | 71.8      | 75.2      | 75.5      | 80.1      | 83.5    |
| GE 1200               | 17.1                        | 56.3    | 60.7    | 60.7    | 65.4    | 65.9        | 68.7    | 69.8        | 69.8        | 74.7    | 75.5      | 75.7      | 79.1      | 79.3      | 84.2      | 87.6    |
| GE 1000               | 17.1                        | 58.4    | 63.3    | 63.3    | 68.0    | 68.5        | 71.8    | 72.9        | 72.9        | 78.0    | 78.8      | 79.1      | 82.7      | 82.9      | 87.9      | 91.2    |
| GE 900                | 17.1                        | 58.4    | 63.3    | 63.3    | 68.0    | 68.5        | 72.1    | 73.1        | 73.1        | 78.3    | 79.1      | 79.3      | 82.9      | 83.2      | 88.1      | 91.5    |
| GE 800                | 17.1                        | 58.7    | 63.8    | 63.8    | 68.7    | 69.3        | 72.9    | 73.9        | 73.9        | 79.3    | 80.1      | 80.4      | 84.0      | 84.2      | 89.1      | 92.5    |
| GE 700                | 17.6                        | 59.4    | 64.6    | 64.6    | 69.5    | 70.0        | 73.6    | 74.7        | 74.7        | 80.1    | 80.9      | 81.1      | 84.8      | 85.0      | 89.9      | 93.3    |
| GE 600                | 17.6                        | 59.4    | 64.6    | 64.6    | 69.5    | 70.0        | 73.6    | 74.7        | 74.7        | 80.1    | 80.9      | 81.1      | 84.8      | 85.0      | 89.9      | 93.3    |
| GE 500                | 17.6                        | 59.4    | 64.6    | 64.6    | 69.8    | 70.3        | 73.9    | 74.9        | 74.9        | 80.4    | 81.1      | 81.4      | 85.0      | 85.3      | 90.2      | 93.8    |
| GE 400                | 17.6                        | 59.4    | 64.6    | 64.6    | 69.8    | 70.3        | 73.9    | 74.9        | 74.9        | 80.9    | 81.7      | 81.9      | 86.0      | 86.3      | 91.2      | 95.1    |
| GE 300                | 17.6                        | 59.4    | 64.6    | 64.6    | 69.8    | 70.3        | 73.9    | 74.9        | 74.9        | 80.9    | 81.7      | 81.9      | 86.0      | 86.3      | 91.2      | 95.1    |
| GE 200                | 17.6                        | 59.4    | 64.6    | 64.6    | 69.8    | 70.3        | 73.9    | 74.9        | 74.9        | 80.9    | 81.7      | 81.9      | 86.6      | 86.8      | 91.7      | 95.9    |
| GE 100                | 17.6                        | 59.4    | 64.6    | 64.6    | 69.8    | 70.3        | 73.9    | 74.9        | 74.9        | 80.9    | 81.7      | 81.9      | 86.6      | 86.8      | 91.7      | 98.7    |
| GE 000                | 17.6                        | 59.4    | 64.6    | 64.6    | 69.8    | 70.3        | 73.9    | 74.9        | 74.9        | 80.9    | 81.7      | 81.9      | 86.6      | 86.8      | 91.7      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 387

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
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               | 16.8                        | 47.7    | 49.7    | 49.7    | 53.3    | 53.3        | 55.6    | 56.6        | 56.6        | 60.2    | 60.5      | 60.5      | 62.5      | 62.8      | 66.8      | 69.9    |
| GE 20000              | 17.3                        | 49.7    | 51.8    | 51.8    | 55.4    | 55.4        | 57.7    | 58.7        | 58.7        | 62.5    | 62.8      | 62.8      | 64.8      | 65.1      | 69.1      | 72.2    |
| GE 18000              | 17.3                        | 49.7    | 51.8    | 51.8    | 55.4    | 55.4        | 57.7    | 58.7        | 58.7        | 62.5    | 62.8      | 62.8      | 64.8      | 65.1      | 69.1      | 72.2    |
| GE 16000              | 17.3                        | 49.7    | 51.8    | 51.8    | 55.4    | 55.4        | 57.7    | 58.7        | 58.7        | 62.5    | 62.8      | 62.8      | 64.8      | 65.1      | 69.1      | 72.2    |
| GE 14000              | 17.3                        | 50.0    | 52.0    | 52.0    | 55.6    | 55.6        | 57.9    | 58.9        | 58.9        | 62.8    | 63.0      | 63.0      | 65.1      | 65.3      | 69.4      | 72.4    |
| GE 12000              | 17.3                        | 50.0    | 52.0    | 52.0    | 55.6    | 55.6        | 57.9    | 58.9        | 58.9        | 62.8    | 63.0      | 63.0      | 65.1      | 65.3      | 69.4      | 72.4    |
| GE 10000              | 17.3                        | 50.0    | 52.0    | 52.0    | 55.6    | 55.6        | 57.9    | 58.9        | 58.9        | 62.8    | 63.0      | 63.0      | 65.1      | 65.3      | 69.4      | 72.4    |
| GE 9000               | 17.3                        | 50.3    | 52.3    | 52.3    | 55.9    | 55.9        | 58.2    | 59.2        | 59.2        | 63.0    | 63.3      | 63.3      | 65.3      | 65.6      | 69.6      | 72.7    |
| GE 8000               | 17.3                        | 50.3    | 52.3    | 52.3    | 56.1    | 56.1        | 58.4    | 59.4        | 59.4        | 63.3    | 63.8      | 63.8      | 65.8      | 66.1      | 70.2      | 73.2    |
| GE 7000               | 18.1                        | 51.8    | 53.8    | 53.8    | 57.7    | 57.7        | 59.9    | 61.0        | 61.0        | 64.8    | 65.3      | 65.3      | 67.3      | 67.6      | 71.9      | 75.0    |
| GE 6000               | 18.1                        | 52.3    | 54.3    | 54.3    | 58.2    | 58.2        | 60.5    | 61.5        | 61.5        | 65.3    | 65.8      | 65.8      | 67.9      | 68.1      | 73.0      | 76.0    |
| GE 5000               | 18.1                        | 52.6    | 54.6    | 54.6    | 58.4    | 58.4        | 60.7    | 61.7        | 61.7        | 65.8    | 66.3      | 66.3      | 68.4      | 68.6      | 73.5      | 76.5    |
| GE 4500               | 18.1                        | 52.6    | 54.6    | 54.6    | 58.4    | 58.4        | 60.7    | 61.7        | 61.7        | 66.1    | 66.6      | 66.6      | 68.6      | 68.9      | 73.7      | 76.8    |
| GE 4000               | 18.4                        | 52.8    | 54.8    | 54.8    | 58.9    | 58.9        | 61.2    | 62.2        | 62.2        | 66.6    | 67.1      | 67.1      | 69.1      | 69.4      | 74.2      | 77.3    |
| GE 3500               | 18.4                        | 53.1    | 55.1    | 55.1    | 59.2    | 59.2        | 61.5    | 62.5        | 62.5        | 66.8    | 67.3      | 67.3      | 69.4      | 69.6      | 74.5      | 77.6    |
| GE 3000               | 19.1                        | 54.3    | 56.4    | 56.4    | 60.5    | 60.5        | 62.8    | 63.8        | 63.8        | 68.1    | 68.6      | 68.6      | 70.7      | 70.9      | 75.8      | 78.8    |
| GE 2500               | 20.7                        | 56.6    | 58.7    | 58.7    | 62.8    | 63.0        | 65.3    | 66.3        | 66.3        | 70.7    | 71.2      | 71.2      | 73.2      | 73.5      | 78.3      | 81.4    |
| GE 2000               | 20.7                        | 58.2    | 60.5    | 60.5    | 65.1    | 65.3        | 67.9    | 68.9        | 68.9        | 73.2    | 73.7      | 73.7      | 76.0      | 76.3      | 81.6      | 84.9    |
| GE 1800               | 20.7                        | 58.2    | 60.5    | 60.5    | 65.1    | 65.3        | 67.9    | 68.9        | 68.9        | 73.2    | 73.7      | 73.7      | 76.0      | 76.3      | 81.6      | 84.9    |
| GE 1500               | 21.2                        | 58.9    | 61.2    | 61.2    | 65.8    | 66.1        | 68.6    | 69.6        | 69.6        | 74.0    | 74.5      | 74.5      | 77.0      | 77.3      | 82.7      | 86.2    |
| GE 1200               | 21.9                        | 61.7    | 64.0    | 64.0    | 68.9    | 69.1        | 72.2    | 73.2        | 73.2        | 77.6    | 78.1      | 78.1      | 80.6      | 80.9      | 86.2      | 90.3    |
| GE 1000               | 22.2                        | 63.0    | 65.3    | 65.3    | 71.2    | 71.4        | 75.0    | 76.0        | 76.0        | 80.4    | 81.1      | 81.1      | 83.7      | 83.9      | 89.8      | 93.9    |
| GE 900                | 22.2                        | 63.0    | 65.3    | 65.3    | 71.2    | 71.4        | 75.3    | 76.3        | 76.3        | 80.6    | 81.4      | 81.4      | 83.9      | 84.2      | 90.1      | 94.1    |
| GE 800                | 22.2                        | 63.0    | 65.6    | 65.6    | 71.7    | 71.9        | 75.8    | 76.8        | 76.8        | 81.1    | 82.1      | 82.1      | 84.7      | 84.9      | 90.8      | 95.2    |
| GE 700                | 22.2                        | 63.3    | 65.8    | 65.8    | 71.9    | 72.2        | 76.0    | 77.0        | 77.0        | 81.4    | 82.4      | 82.4      | 84.9      | 85.2      | 91.3      | 95.7    |
| GE 600                | 22.2                        | 63.3    | 65.8    | 65.8    | 71.9    | 72.2        | 76.0    | 77.0        | 77.0        | 81.4    | 82.4      | 82.4      | 84.9      | 85.2      | 91.3      | 95.7    |
| GE 500                | 22.2                        | 63.3    | 65.8    | 65.8    | 71.9    | 72.2        | 76.0    | 77.0        | 77.0        | 81.4    | 82.4      | 82.4      | 84.9      | 85.2      | 91.3      | 95.9    |
| GE 400                | 22.2                        | 63.3    | 65.8    | 65.8    | 71.9    | 72.2        | 76.0    | 77.0        | 77.0        | 81.6    | 82.7      | 82.7      | 85.2      | 85.5      | 91.6      | 96.7    |
| GE 300                | 22.2                        | 63.3    | 65.8    | 65.8    | 71.9    | 72.2        | 76.0    | 77.0        | 77.0        | 81.6    | 82.7      | 82.7      | 85.2      | 85.5      | 91.6      | 96.7    |
| GE 200                | 22.2                        | 63.3    | 65.8    | 65.8    | 71.9    | 72.2        | 76.0    | 77.0        | 77.0        | 81.6    | 82.9      | 82.9      | 85.7      | 86.0      | 92.1      | 97.2    |
| GE 100                | 22.2                        | 63.3    | 65.8    | 65.8    | 71.9    | 72.2        | 76.0    | 77.0        | 77.0        | 81.6    | 82.9      | 82.9      | 85.7      | 86.0      | 92.1      | 99.0    |
| GE 000                | 22.2                        | 63.3    | 65.8    | 65.8    | 71.9    | 72.2        | 76.0    | 77.0        | 77.0        | 81.6    | 82.9      | 82.9      | 85.7      | 86.0      | 92.1      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 192

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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               | 16.5                        | 52.0    | 53.2    | 53.2    | 56.2    | 56.2        | 58.1    | 58.4        | 58.6        | 60.7    | 60.7      | 60.7      | 62.8      | 63.5      | 65.9      | 69.4    |
| GE 20000              | 16.5                        | 52.9    | 54.1    | 54.1    | 57.2    | 57.2        | 59.1    | 59.3        | 59.5        | 61.6    | 61.6      | 61.6      | 63.8      | 64.5      | 66.8      | 70.4    |
| GE 18000              | 16.5                        | 52.9    | 54.1    | 54.1    | 57.2    | 57.2        | 59.1    | 59.3        | 59.5        | 61.6    | 61.6      | 61.6      | 63.8      | 64.5      | 66.8      | 70.4    |
| GE 16000              | 16.5                        | 53.2    | 54.4    | 54.4    | 57.4    | 57.4        | 59.3    | 59.5        | 59.8        | 61.9    | 61.9      | 61.9      | 64.0      | 64.7      | 67.1      | 70.6    |
| GE 14000              | 16.5                        | 53.4    | 54.6    | 54.6    | 57.6    | 57.6        | 59.5    | 59.8        | 60.0        | 62.1    | 62.1      | 62.1      | 64.2      | 64.9      | 67.3      | 70.8    |
| GE 12000              | 16.5                        | 54.1    | 55.3    | 55.3    | 58.4    | 58.4        | 60.2    | 60.5        | 60.7        | 62.8    | 62.8      | 62.8      | 64.9      | 65.6      | 68.0      | 71.5    |
| GE 10000              | 16.5                        | 54.6    | 56.0    | 56.0    | 59.1    | 59.1        | 60.9    | 61.2        | 61.4        | 63.5    | 63.5      | 63.5      | 65.6      | 66.4      | 68.7      | 72.2    |
| GE 9000               | 16.5                        | 54.8    | 56.5    | 56.5    | 59.5    | 59.5        | 61.4    | 61.6        | 61.9        | 64.0    | 64.0      | 64.0      | 66.1      | 66.8      | 69.2      | 72.7    |
| GE 8000               | 16.5                        | 55.1    | 56.7    | 56.7    | 59.8    | 59.8        | 61.9    | 62.1        | 62.4        | 64.5    | 64.5      | 64.5      | 66.6      | 67.3      | 69.6      | 73.2    |
| GE 7000               | 16.7                        | 56.0    | 57.6    | 57.6    | 60.7    | 60.7        | 62.8    | 63.1        | 63.3        | 65.6    | 65.6      | 65.6      | 67.8      | 68.5      | 70.8      | 74.4    |
| GE 6000               | 16.7                        | 56.2    | 57.9    | 57.9    | 60.9    | 60.9        | 63.1    | 63.3        | 63.5        | 65.9    | 65.9      | 65.9      | 68.0      | 68.7      | 71.1      | 74.6    |
| GE 5000               | 16.7                        | 56.5    | 58.1    | 58.1    | 61.2    | 61.2        | 63.3    | 63.5        | 63.8        | 66.4    | 66.4      | 66.4      | 68.5      | 69.2      | 71.5      | 75.1    |
| GE 4500               | 16.7                        | 56.5    | 58.1    | 58.1    | 61.2    | 61.2        | 63.3    | 63.5        | 63.8        | 66.4    | 66.4      | 66.4      | 68.5      | 69.2      | 71.5      | 75.1    |
| GE 4000               | 17.4                        | 57.6    | 59.3    | 59.3    | 62.4    | 62.4        | 64.5    | 64.7        | 64.9        | 67.5    | 67.5      | 67.5      | 69.6      | 70.4      | 72.7      | 76.2    |
| GE 3500               | 17.4                        | 57.6    | 59.3    | 59.3    | 62.4    | 62.4        | 64.5    | 64.7        | 64.9        | 67.5    | 67.5      | 67.5      | 69.6      | 70.4      | 72.7      | 76.2    |
| GE 3000               | 18.1                        | 58.6    | 60.2    | 60.2    | 63.3    | 63.3        | 65.4    | 65.6        | 65.9        | 68.5    | 68.5      | 68.5      | 70.6      | 71.3      | 73.6      | 77.2    |
| GE 2500               | 18.6                        | 60.0    | 61.6    | 61.6    | 64.7    | 64.7        | 66.8    | 67.1        | 67.5        | 70.1    | 70.1      | 70.1      | 72.2      | 72.9      | 75.3      | 78.8    |
| GE 2000               | 18.8                        | 61.9    | 63.5    | 63.5    | 66.8    | 66.8        | 68.9    | 69.2        | 69.6        | 72.2    | 72.2      | 72.2      | 74.4      | 75.1      | 77.4      | 80.9    |
| GE 1800               | 18.8                        | 61.9    | 63.5    | 63.5    | 66.8    | 66.8        | 68.9    | 69.2        | 69.6        | 72.2    | 72.2      | 72.2      | 74.4      | 75.1      | 77.4      | 80.9    |
| GE 1500               | 19.5                        | 63.1    | 64.7    | 64.7    | 68.0    | 68.0        | 70.1    | 70.6        | 71.1        | 73.6    | 73.6      | 73.6      | 75.8      | 76.5      | 79.1      | 82.8    |
| GE 1200               | 20.0                        | 66.4    | 68.0    | 68.0    | 72.2    | 72.2        | 74.6    | 75.1        | 75.5        | 78.6    | 78.6      | 78.6      | 81.2      | 81.9      | 84.7      | 88.7    |
| GE 1000               | 20.5                        | 68.7    | 71.3    | 71.3    | 76.0    | 76.0        | 78.8    | 79.3        | 79.8        | 83.8    | 83.8      | 83.8      | 86.4      | 87.1      | 90.1      | 94.4    |
| GE 900                | 20.5                        | 68.7    | 71.3    | 71.3    | 76.0    | 76.0        | 78.8    | 79.3        | 79.8        | 83.8    | 83.8      | 83.8      | 86.4      | 87.1      | 90.1      | 94.4    |
| GE 800                | 20.5                        | 68.7    | 71.5    | 71.5    | 76.5    | 76.5        | 79.3    | 79.8        | 80.2        | 84.5    | 84.5      | 84.5      | 87.1      | 87.8      | 90.8      | 95.3    |
| GE 700                | 20.5                        | 68.7    | 71.5    | 71.5    | 76.5    | 76.5        | 79.3    | 79.8        | 80.2        | 84.5    | 84.5      | 84.5      | 87.3      | 88.0      | 91.1      | 95.5    |
| GE 600                | 20.5                        | 68.7    | 71.5    | 71.5    | 76.5    | 76.5        | 79.3    | 79.8        | 80.2        | 84.5    | 84.5      | 84.5      | 87.3      | 88.0      | 91.1      | 95.5    |
| GE 500                | 20.5                        | 68.7    | 71.5    | 71.5    | 76.5    | 76.5        | 79.3    | 79.8        | 80.2        | 84.5    | 84.5      | 84.5      | 87.3      | 88.0      | 91.1      | 95.5    |
| GE 400                | 20.5                        | 68.7    | 71.5    | 71.5    | 76.5    | 76.5        | 79.3    | 79.8        | 80.2        | 84.5    | 84.5      | 84.5      | 87.3      | 88.0      | 91.1      | 95.5    |
| GE 300                | 20.5                        | 68.7    | 71.5    | 71.5    | 76.5    | 76.5        | 79.3    | 79.8        | 80.2        | 84.5    | 84.5      | 84.5      | 87.3      | 88.0      | 91.1      | 95.5    |
| GE 200                | 20.5                        | 68.7    | 71.5    | 71.5    | 76.5    | 76.5        | 79.3    | 79.8        | 80.2        | 84.5    | 84.5      | 84.5      | 88.0      | 88.7      | 92.0      | 96.5    |
| GE 100                | 20.5                        | 68.7    | 71.5    | 71.5    | 76.5    | 76.5        | 79.3    | 79.8        | 80.2        | 84.5    | 84.5      | 84.5      | 88.0      | 88.7      | 92.2      | 99.1    |
| GE 000                | 20.5                        | 68.7    | 71.5    | 71.5    | 76.5    | 76.5        | 79.3    | 79.8        | 80.2        | 84.5    | 84.5      | 84.5      | 88.0      | 88.7      | 92.2      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 425

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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               | 16.5                        | 50.2    | 52.7    | 52.7    | 56.1    | 56.3        | 57.9    | 58.6        | 58.6        | 61.5    | 61.6      | 61.6      | 64.0      | 64.2      | 67.3      | 70.2    |
| GE 20000              | 16.6                        | 51.2    | 53.7    | 53.7    | 57.2    | 57.3        | 59.0    | 59.6        | 59.7        | 62.6    | 62.7      | 62.7      | 65.1      | 65.3      | 68.4      | 71.3    |
| GE 18000              | 16.6                        | 51.3    | 53.8    | 53.8    | 57.3    | 57.4        | 59.0    | 59.7        | 59.7        | 62.6    | 62.8      | 62.8      | 65.2      | 65.4      | 68.4      | 71.3    |
| GE 16000              | 16.6                        | 51.3    | 53.9    | 53.9    | 57.3    | 57.4        | 59.1    | 59.7        | 59.8        | 62.7    | 62.8      | 62.8      | 65.2      | 65.5      | 68.5      | 71.4    |
| GE 14000              | 16.6                        | 51.6    | 54.2    | 54.2    | 57.6    | 57.8        | 59.4    | 60.0        | 60.1        | 63.0    | 63.1      | 63.1      | 65.5      | 65.8      | 68.8      | 71.7    |
| GE 12000              | 16.6                        | 51.9    | 54.5    | 54.5    | 57.9    | 58.1        | 59.7    | 60.3        | 60.4        | 63.3    | 63.4      | 63.4      | 65.8      | 66.1      | 69.1      | 72.0    |
| GE 10000              | 16.6                        | 52.4    | 55.0    | 55.0    | 58.6    | 58.7        | 60.3    | 61.0        | 61.0        | 63.9    | 64.1      | 64.1      | 66.5      | 66.7      | 69.7      | 72.6    |
| GE 9000               | 16.6                        | 52.6    | 55.2    | 55.2    | 58.7    | 58.9        | 60.5    | 61.1        | 61.2        | 64.1    | 64.2      | 64.2      | 66.6      | 67.0      | 70.0      | 72.9    |
| GE 8000               | 16.7                        | 52.7    | 55.4    | 55.4    | 59.0    | 59.1        | 60.8    | 61.5        | 61.5        | 64.4    | 64.6      | 64.6      | 67.0      | 67.3      | 70.4      | 73.3    |
| GE 7000               | 16.9                        | 53.6    | 56.3    | 56.3    | 59.9    | 60.0        | 61.8    | 62.4        | 62.5        | 65.5    | 65.7      | 65.7      | 68.2      | 68.5      | 71.7      | 74.6    |
| GE 6000               | 16.9                        | 53.9    | 56.6    | 56.6    | 60.2    | 60.3        | 62.1    | 62.8        | 62.8        | 65.9    | 66.1      | 66.2      | 68.6      | 68.9      | 72.3      | 75.2    |
| GE 5000               | 17.1                        | 54.4    | 57.1    | 57.1    | 60.7    | 60.8        | 62.6    | 63.3        | 63.4        | 66.6    | 66.8      | 66.8      | 69.3      | 69.6      | 72.9      | 75.9    |
| GE 4500               | 17.1                        | 54.4    | 57.1    | 57.1    | 60.7    | 60.8        | 62.6    | 63.3        | 63.4        | 66.6    | 66.8      | 66.9      | 69.4      | 69.7      | 73.0      | 76.0    |
| GE 4000               | 17.4                        | 54.8    | 57.6    | 57.6    | 61.3    | 61.4        | 63.2    | 63.9        | 63.9        | 67.2    | 67.4      | 67.4      | 69.9      | 70.2      | 73.6      | 76.5    |
| GE 3500               | 17.4                        | 54.9    | 57.7    | 57.7    | 61.3    | 61.5        | 63.2    | 63.9        | 64.0        | 67.3    | 67.4      | 67.5      | 70.0      | 70.3      | 73.6      | 76.6    |
| GE 3000               | 18.0                        | 55.9    | 58.7    | 58.7    | 62.4    | 62.5        | 64.3    | 65.0        | 65.0        | 68.3    | 68.5      | 68.6      | 71.0      | 71.3      | 74.7      | 77.6    |
| GE 2500               | 18.7                        | 57.8    | 60.6    | 60.6    | 64.4    | 64.5        | 66.3    | 67.0        | 67.1        | 70.5    | 70.7      | 70.8      | 73.3      | 73.6      | 76.9      | 79.9    |
| GE 2000               | 19.0                        | 59.7    | 62.6    | 62.6    | 66.8    | 67.0        | 68.9    | 69.6        | 69.7        | 73.1    | 73.4      | 73.4      | 76.0      | 76.3      | 79.7      | 82.8    |
| GE 1800               | 19.0                        | 59.7    | 62.6    | 62.6    | 66.8    | 67.0        | 68.9    | 69.7        | 69.8        | 73.2    | 73.4      | 73.5      | 76.0      | 76.3      | 79.8      | 82.8    |
| GE 1500               | 19.5                        | 60.7    | 63.8    | 63.8    | 68.0    | 68.2        | 70.2    | 71.0        | 71.2        | 74.6    | 74.9      | 75.0      | 77.6      | 77.9      | 81.4      | 84.6    |
| GE 1200               | 20.4                        | 64.2    | 67.3    | 67.3    | 71.9    | 72.1        | 74.4    | 75.2        | 75.4        | 79.1    | 79.4      | 79.4      | 82.2      | 82.5      | 86.2      | 89.5    |
| GE 1000               | 20.6                        | 66.0    | 69.6    | 69.6    | 74.9    | 75.1        | 77.8    | 78.6        | 78.8        | 82.8    | 83.1      | 83.2      | 86.2      | 86.5      | 90.4      | 93.9    |
| GE 900                | 20.6                        | 66.0    | 69.6    | 69.6    | 74.9    | 75.1        | 77.9    | 78.8        | 78.9        | 82.9    | 83.3      | 83.3      | 86.3      | 86.7      | 90.5      | 94.0    |
| GE 800                | 20.6                        | 66.2    | 69.9    | 69.9    | 75.4    | 75.6        | 78.6    | 79.4        | 79.5        | 83.6    | 84.1      | 84.1      | 87.2      | 87.5      | 91.4      | 94.9    |
| GE 700                | 20.8                        | 66.4    | 70.2    | 70.2    | 75.7    | 75.8        | 78.8    | 79.6        | 79.7        | 83.9    | 84.3      | 84.4      | 87.5      | 87.8      | 91.7      | 95.3    |
| GE 600                | 20.8                        | 66.4    | 70.2    | 70.2    | 75.7    | 75.8        | 78.8    | 79.6        | 79.7        | 83.9    | 84.3      | 84.4      | 87.5      | 87.8      | 91.7      | 95.3    |
| GE 500                | 20.8                        | 66.4    | 70.2    | 70.2    | 75.8    | 76.0        | 78.9    | 79.7        | 79.9        | 84.0    | 84.4      | 84.5      | 87.6      | 87.9      | 91.8      | 95.6    |
| GE 400                | 20.8                        | 66.4    | 70.2    | 70.2    | 75.8    | 76.0        | 78.9    | 79.7        | 79.9        | 84.2    | 84.6      | 84.7      | 87.9      | 88.2      | 92.2      | 96.0    |
| GE 300                | 20.8                        | 66.4    | 70.2    | 70.2    | 75.8    | 76.0        | 78.9    | 79.7        | 79.9        | 84.2    | 84.6      | 84.7      | 87.9      | 88.2      | 92.2      | 96.0    |
| GE 200                | 20.8                        | 66.5    | 70.3    | 70.3    | 75.8    | 76.0        | 79.0    | 79.8        | 79.9        | 84.2    | 84.7      | 84.8      | 88.4      | 88.8      | 92.8      | 96.7    |
| GE 100                | 20.8                        | 66.5    | 70.3    | 70.3    | 75.8    | 76.0        | 79.0    | 79.8        | 79.9        | 84.2    | 84.7      | 84.8      | 88.4      | 88.8      | 93.0      | 99.2    |
| GE 000                | 20.8                        | 66.5    | 70.3    | 70.3    | 75.8    | 76.0        | 79.0    | 79.8        | 79.9        | 84.2    | 84.7      | 84.8      | 88.4      | 88.8      | 93.0      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 1619

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
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               | 19.0                        | 54.9    | 56.8    | 56.8    | 59.9    | 59.9        | 60.8    | 60.8        | 60.8        | 63.6    | 63.6      | 63.6      | 66.0      | 66.0      | 67.8      | 71.1    |
| GE 20000              | 19.0                        | 55.2    | 57.0    | 57.0    | 60.1    | 60.1        | 61.0    | 61.0        | 61.0        | 63.8    | 63.8      | 63.8      | 66.2      | 66.2      | 68.1      | 71.4    |
| GE 18000              | 19.0                        | 55.2    | 57.0    | 57.0    | 60.1    | 60.1        | 61.0    | 61.0        | 61.0        | 63.8    | 63.8      | 63.8      | 66.2      | 66.2      | 68.1      | 71.4    |
| GE 16000              | 19.0                        | 55.4    | 57.3    | 57.3    | 60.3    | 60.3        | 61.3    | 61.3        | 61.3        | 64.1    | 64.1      | 64.1      | 66.4      | 66.4      | 68.3      | 71.6    |
| GE 14000              | 19.0                        | 55.6    | 57.5    | 57.5    | 60.6    | 60.6        | 61.5    | 61.5        | 61.5        | 64.3    | 64.3      | 64.3      | 66.7      | 66.7      | 68.5      | 71.8    |
| GE 12000              | 19.0                        | 55.9    | 57.7    | 57.7    | 60.8    | 60.8        | 61.7    | 61.7        | 61.7        | 64.6    | 64.6      | 64.6      | 66.9      | 66.9      | 68.8      | 72.1    |
| GE 10000              | 19.0                        | 56.6    | 58.5    | 58.5    | 61.5    | 61.5        | 62.4    | 62.4        | 62.4        | 65.3    | 65.3      | 65.3      | 67.6      | 67.6      | 69.5      | 72.8    |
| GE 9000               | 19.0                        | 56.6    | 58.5    | 58.5    | 61.5    | 61.5        | 62.4    | 62.4        | 62.4        | 65.3    | 65.3      | 65.3      | 67.6      | 67.6      | 69.5      | 72.8    |
| GE 8000               | 19.0                        | 56.8    | 58.7    | 58.7    | 61.7    | 61.7        | 62.7    | 62.7        | 62.7        | 65.5    | 65.5      | 65.5      | 67.8      | 67.8      | 69.7      | 73.0    |
| GE 7000               | 19.5                        | 58.0    | 59.9    | 59.9    | 62.9    | 62.9        | 63.8    | 63.8        | 63.8        | 66.7    | 66.7      | 66.7      | 69.0      | 69.0      | 70.9      | 74.2    |
| GE 6000               | 19.5                        | 58.5    | 60.3    | 60.3    | 63.4    | 63.4        | 64.3    | 64.3        | 64.3        | 67.1    | 67.1      | 67.1      | 69.5      | 69.5      | 71.4      | 74.6    |
| GE 5000               | 19.7                        | 60.1    | 62.0    | 62.0    | 65.0    | 65.0        | 66.0    | 66.0        | 66.0        | 68.8    | 68.8      | 68.8      | 71.1      | 71.1      | 73.0      | 76.3    |
| GE 4500               | 19.7                        | 60.1    | 62.0    | 62.0    | 65.0    | 65.0        | 66.0    | 66.0        | 66.0        | 68.8    | 68.8      | 68.8      | 71.1      | 71.1      | 73.0      | 76.3    |
| GE 4000               | 19.7                        | 60.3    | 62.2    | 62.2    | 65.3    | 65.3        | 66.2    | 66.2        | 66.2        | 69.0    | 69.0      | 69.0      | 71.4      | 71.4      | 73.2      | 76.5    |
| GE 3500               | 19.7                        | 60.3    | 62.2    | 62.2    | 65.3    | 65.3        | 66.2    | 66.2        | 66.2        | 69.0    | 69.0      | 69.0      | 71.4      | 71.4      | 73.2      | 76.5    |
| GE 3000               | 19.7                        | 61.3    | 63.1    | 63.1    | 66.2    | 66.2        | 67.1    | 67.1        | 67.1        | 70.0    | 70.0      | 70.0      | 72.5      | 72.5      | 74.4      | 77.7    |
| GE 2500               | 20.4                        | 63.4    | 65.3    | 65.3    | 68.3    | 68.3        | 69.2    | 69.2        | 69.2        | 72.1    | 72.1      | 72.1      | 74.6      | 74.6      | 76.5      | 79.8    |
| GE 2000               | 20.4                        | 65.5    | 67.4    | 67.4    | 70.7    | 70.7        | 71.6    | 71.6        | 71.6        | 74.4    | 74.4      | 74.4      | 77.0      | 77.0      | 78.9      | 82.2    |
| GE 1800               | 20.4                        | 65.5    | 67.4    | 67.4    | 70.7    | 70.7        | 71.6    | 71.6        | 71.6        | 74.4    | 74.4      | 74.4      | 77.0      | 77.0      | 78.9      | 82.2    |
| GE 1500               | 20.7                        | 66.9    | 68.8    | 68.8    | 72.3    | 72.3        | 73.5    | 73.5        | 73.5        | 76.3    | 76.3      | 76.3      | 78.9      | 78.9      | 80.8      | 84.0    |
| GE 1200               | 22.1                        | 72.1    | 73.9    | 73.9    | 77.5    | 77.5        | 78.9    | 78.9        | 78.9        | 81.9    | 81.9      | 81.9      | 84.7      | 84.7      | 86.9      | 90.4    |
| GE 1000               | 23.0                        | 75.4    | 77.2    | 77.2    | 81.0    | 81.0        | 82.6    | 82.6        | 82.6        | 87.3    | 87.3      | 87.3      | 90.4      | 90.4      | 93.0      | 96.7    |
| GE 900                | 23.0                        | 75.4    | 77.5    | 77.5    | 81.2    | 81.2        | 82.9    | 82.9        | 82.9        | 87.6    | 87.6      | 87.6      | 90.6      | 90.6      | 93.2      | 96.9    |
| GE 800                | 23.0                        | 75.4    | 77.5    | 77.5    | 81.2    | 81.2        | 83.1    | 83.1        | 83.1        | 87.8    | 87.8      | 87.8      | 90.8      | 90.8      | 93.4      | 97.2    |
| GE 700                | 23.5                        | 75.8    | 77.9    | 77.9    | 81.7    | 81.7        | 83.6    | 83.6        | 83.6        | 88.3    | 88.3      | 88.3      | 91.3      | 91.3      | 93.9      | 97.7    |
| GE 600                | 23.5                        | 75.8    | 77.9    | 77.9    | 81.7    | 81.7        | 83.6    | 83.6        | 83.6        | 88.3    | 88.3      | 88.3      | 91.3      | 91.3      | 93.9      | 97.7    |
| GE 500                | 23.5                        | 75.8    | 77.9    | 77.9    | 81.7    | 81.7        | 83.6    | 83.6        | 83.6        | 88.5    | 88.5      | 88.5      | 91.5      | 91.5      | 94.4      | 98.1    |
| GE 400                | 23.5                        | 75.8    | 77.9    | 77.9    | 81.7    | 81.7        | 83.6    | 83.6        | 83.6        | 88.5    | 88.5      | 88.5      | 91.5      | 91.5      | 94.4      | 98.1    |
| GE 300                | 23.5                        | 75.8    | 77.9    | 77.9    | 81.7    | 81.7        | 83.6    | 83.6        | 83.6        | 88.5    | 88.5      | 88.5      | 91.5      | 91.5      | 94.4      | 98.1    |
| GE 200                | 23.5                        | 75.8    | 77.9    | 77.9    | 81.7    | 81.7        | 83.6    | 83.6        | 83.6        | 88.5    | 88.5      | 88.5      | 92.0      | 92.0      | 94.8      | 98.6    |
| GE 100                | 23.5                        | 75.8    | 77.9    | 77.9    | 81.7    | 81.7        | 83.6    | 83.6        | 83.6        | 88.5    | 88.5      | 88.5      | 92.0      | 92.0      | 95.1      | 99.8    |
| GE 000                | 23.5                        | 75.8    | 77.9    | 77.9    | 81.7    | 81.7        | 83.6    | 83.6        | 83.6        | 88.5    | 88.5      | 88.5      | 92.0      | 92.0      | 95.1      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 426

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
LST TO UTC: + 5

PERIOD OF RECORD: JAN 73 - SEP 88  
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               | 18.1                        | 43.2    | 45.3    | 45.3    | 48.0    | 48.3        | 51.7    | 52.3        | 52.3        | 53.9    | 54.1      | 54.1      | 56.8      | 57.9      | 62.1      | 66.7    |
| GE 20000              | 18.1                        | 45.1    | 47.2    | 47.2    | 49.9    | 50.1        | 53.6    | 54.1        | 54.1        | 55.7    | 56.0      | 56.0      | 58.7      | 59.7      | 64.0      | 68.5    |
| GE 18000              | 18.1                        | 45.1    | 47.2    | 47.2    | 49.9    | 50.1        | 53.6    | 54.1        | 54.1        | 55.7    | 56.0      | 56.0      | 58.7      | 59.7      | 64.0      | 68.5    |
| GE 16000              | 18.1                        | 45.1    | 47.2    | 47.2    | 49.9    | 50.1        | 53.6    | 54.1        | 54.1        | 55.7    | 56.0      | 56.0      | 58.7      | 59.7      | 64.0      | 68.5    |
| GE 14000              | 18.1                        | 45.3    | 47.5    | 47.5    | 50.1    | 50.7        | 54.1    | 54.7        | 54.7        | 56.3    | 56.5      | 56.5      | 59.2      | 60.3      | 64.5      | 69.1    |
| GE 12000              | 18.1                        | 45.6    | 48.0    | 48.0    | 50.7    | 51.2        | 54.7    | 55.2        | 55.2        | 56.8    | 57.1      | 57.1      | 59.7      | 60.8      | 65.1      | 69.6    |
| GE 10000              | 18.4                        | 46.9    | 49.6    | 49.6    | 52.3    | 52.8        | 56.3    | 56.8        | 56.8        | 58.4    | 58.7      | 58.7      | 61.3      | 62.4      | 66.7      | 71.2    |
| GE 9000               | 18.4                        | 46.9    | 49.6    | 49.6    | 52.3    | 52.8        | 56.3    | 56.8        | 56.8        | 58.4    | 58.7      | 58.7      | 61.3      | 62.4      | 66.7      | 71.2    |
| GE 8000               | 18.4                        | 47.5    | 50.1    | 50.1    | 53.1    | 53.6        | 57.1    | 57.6        | 57.6        | 59.2    | 59.5      | 59.5      | 62.1      | 63.2      | 67.5      | 72.0    |
| GE 7000               | 18.9                        | 48.8    | 51.5    | 51.5    | 54.9    | 55.5        | 58.9    | 59.5        | 59.5        | 61.1    | 61.3      | 61.3      | 64.0      | 65.1      | 69.3      | 73.9    |
| GE 6000               | 18.9                        | 49.6    | 52.3    | 52.3    | 55.7    | 56.3        | 59.7    | 60.3        | 60.3        | 61.9    | 62.1      | 62.1      | 64.8      | 65.9      | 70.1      | 74.7    |
| GE 5000               | 18.9                        | 50.1    | 52.8    | 52.8    | 56.3    | 56.8        | 60.3    | 60.8        | 60.8        | 62.7    | 62.9      | 62.9      | 65.6      | 66.7      | 70.9      | 75.7    |
| GE 4500               | 18.9                        | 50.1    | 52.8    | 52.8    | 56.3    | 56.8        | 60.3    | 60.8        | 60.8        | 62.7    | 62.9      | 62.9      | 65.6      | 66.7      | 70.9      | 75.7    |
| GE 4000               | 18.9                        | 51.2    | 53.9    | 53.9    | 57.3    | 57.9        | 61.3    | 61.9        | 61.9        | 63.7    | 64.0      | 64.0      | 66.7      | 67.7      | 72.0      | 76.8    |
| GE 3500               | 18.9                        | 51.2    | 53.9    | 53.9    | 57.3    | 57.9        | 61.3    | 61.9        | 61.9        | 63.7    | 64.0      | 64.0      | 66.7      | 67.7      | 72.0      | 76.8    |
| GE 3000               | 19.2                        | 52.0    | 54.7    | 54.7    | 58.4    | 58.9        | 62.4    | 62.9        | 62.9        | 64.8    | 65.1      | 65.1      | 67.7      | 68.8      | 73.1      | 77.9    |
| GE 2500               | 19.7                        | 53.6    | 56.3    | 56.3    | 60.5    | 61.1        | 64.5    | 65.1        | 65.1        | 66.9    | 67.2      | 67.2      | 69.9      | 70.9      | 75.2      | 80.0    |
| GE 2000               | 20.0                        | 55.5    | 58.1    | 58.1    | 62.7    | 63.2        | 66.7    | 67.2        | 67.2        | 69.3    | 69.6      | 69.6      | 72.3      | 73.3      | 77.6      | 82.7    |
| GE 1800               | 20.0                        | 55.5    | 58.1    | 58.1    | 62.7    | 63.2        | 66.7    | 67.2        | 67.2        | 69.3    | 69.6      | 69.6      | 72.3      | 73.3      | 77.6      | 82.7    |
| GE 1500               | 20.0                        | 55.7    | 58.4    | 58.4    | 62.9    | 63.5        | 66.9    | 67.5        | 67.5        | 69.9    | 70.1      | 70.1      | 72.8      | 73.9      | 78.1      | 83.2    |
| GE 1200               | 22.4                        | 58.7    | 61.3    | 61.3    | 66.9    | 67.5        | 71.5    | 72.0        | 72.0        | 75.7    | 76.0      | 76.0      | 78.9      | 80.0      | 85.1      | 90.7    |
| GE 1000               | 23.5                        | 60.5    | 63.7    | 63.7    | 69.6    | 70.1        | 74.9    | 75.5        | 75.5        | 79.7    | 80.3      | 80.3      | 83.5      | 84.5      | 89.9      | 96.0    |
| GE 900                | 23.5                        | 60.5    | 63.7    | 63.7    | 69.6    | 70.1        | 74.9    | 75.5        | 75.5        | 79.7    | 80.3      | 80.3      | 83.5      | 84.5      | 89.9      | 96.0    |
| GE 800                | 23.5                        | 60.5    | 63.7    | 63.7    | 69.6    | 70.1        | 74.9    | 75.5        | 75.5        | 80.0    | 80.5      | 80.5      | 83.7      | 84.8      | 90.1      | 96.3    |
| GE 700                | 23.5                        | 60.8    | 64.0    | 64.0    | 69.9    | 70.4        | 75.2    | 75.7        | 75.7        | 80.3    | 80.8      | 80.8      | 84.0      | 85.1      | 90.4      | 96.5    |
| GE 600                | 23.5                        | 60.8    | 64.0    | 64.0    | 69.9    | 70.4        | 75.5    | 76.0        | 76.0        | 80.5    | 81.1      | 81.1      | 84.3      | 85.3      | 90.7      | 96.8    |
| GE 500                | 23.5                        | 60.8    | 64.0    | 64.0    | 69.9    | 70.4        | 75.7    | 76.3        | 76.3        | 81.1    | 81.6      | 81.6      | 84.8      | 85.9      | 91.5      | 98.1    |
| GE 400                | 23.5                        | 60.8    | 64.0    | 64.0    | 69.9    | 70.4        | 76.0    | 76.5        | 76.5        | 81.3    | 81.9      | 81.9      | 85.1      | 86.1      | 92.0      | 98.7    |
| GE 300                | 23.5                        | 60.8    | 64.0    | 64.0    | 69.9    | 70.4        | 76.0    | 76.5        | 76.5        | 81.3    | 81.9      | 81.9      | 85.1      | 86.1      | 92.0      | 98.7    |
| GE 200                | 23.5                        | 60.8    | 64.0    | 64.0    | 69.9    | 70.4        | 76.3    | 76.8        | 76.8        | 81.6    | 82.1      | 82.1      | 85.3      | 86.4      | 92.5      | 99.5    |
| GE 100                | 23.5                        | 60.8    | 64.0    | 64.0    | 69.9    | 70.4        | 76.3    | 76.8        | 76.8        | 81.6    | 82.1      | 82.1      | 85.3      | 86.4      | 92.5      | 100.0   |
| GE 000                | 23.5                        | 60.8    | 64.0    | 64.0    | 69.9    | 70.4        | 76.3    | 76.8        | 76.8        | 81.6    | 82.1      | 82.1      | 85.3      | 86.4      | 92.5      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 375



OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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               | 20.6                        | 45.9    | 46.6    | 46.6    | 50.1    | 50.1        | 52.6    | 52.9        | 52.9        | 54.4    | 54.9      | 54.9      | 58.1      | 58.6      | 61.4      | 66.4    |
| GE 20000              | 20.6                        | 46.1    | 46.9    | 46.9    | 50.9    | 50.9        | 53.6    | 53.9        | 53.9        | 55.6    | 56.1      | 56.1      | 59.4      | 59.9      | 62.7      | 67.7    |
| GE 18000              | 20.6                        | 46.9    | 47.6    | 47.6    | 51.6    | 51.6        | 54.4    | 54.9        | 54.9        | 56.6    | 57.4      | 57.4      | 60.7      | 61.2      | 63.9      | 68.9    |
| GE 16000              | 20.6                        | 46.9    | 47.6    | 47.6    | 51.6    | 51.6        | 54.4    | 54.9        | 54.9        | 56.6    | 57.4      | 57.4      | 60.7      | 61.2      | 63.9      | 68.9    |
| GE 14000              | 20.6                        | 47.4    | 48.1    | 48.1    | 52.1    | 52.1        | 54.9    | 55.4        | 55.4        | 57.1    | 57.9      | 57.9      | 61.2      | 61.7      | 64.4      | 69.4    |
| GE 12000              | 20.6                        | 47.4    | 48.4    | 48.4    | 52.4    | 52.4        | 55.1    | 55.6        | 55.6        | 57.4    | 58.1      | 58.1      | 61.4      | 61.9      | 64.7      | 69.9    |
| GE 10000              | 21.1                        | 48.9    | 49.9    | 49.9    | 53.9    | 53.9        | 56.6    | 57.1        | 57.1        | 58.9    | 59.6      | 59.6      | 62.9      | 63.4      | 66.2      | 71.4    |
| GE 9000               | 21.1                        | 49.1    | 50.1    | 50.1    | 54.1    | 54.1        | 56.9    | 57.4        | 57.4        | 59.1    | 59.9      | 59.9      | 63.2      | 63.7      | 66.4      | 71.7    |
| GE 8000               | 21.1                        | 50.1    | 51.1    | 51.1    | 55.1    | 55.1        | 57.9    | 58.4        | 58.4        | 60.2    | 60.9      | 60.9      | 64.2      | 64.7      | 67.4      | 72.7    |
| GE 7000               | 21.3                        | 51.1    | 52.1    | 52.1    | 56.1    | 56.1        | 58.9    | 59.4        | 59.4        | 61.2    | 61.9      | 61.9      | 65.2      | 65.7      | 68.4      | 73.7    |
| GE 6000               | 21.3                        | 51.4    | 52.4    | 52.4    | 56.6    | 56.6        | 59.4    | 59.9        | 59.9        | 61.9    | 62.7      | 62.7      | 65.9      | 66.4      | 69.2      | 74.4    |
| GE 5000               | 22.1                        | 52.6    | 53.6    | 53.6    | 57.9    | 57.9        | 60.7    | 61.2        | 61.2        | 63.2    | 63.9      | 63.9      | 67.2      | 67.7      | 70.7      | 75.9    |
| GE 4500               | 22.1                        | 52.6    | 53.6    | 53.6    | 57.9    | 57.9        | 60.7    | 61.2        | 61.2        | 63.2    | 63.9      | 63.9      | 67.2      | 67.7      | 70.7      | 75.9    |
| GE 4000               | 22.6                        | 54.1    | 55.1    | 55.1    | 59.4    | 59.4        | 62.2    | 62.7        | 62.7        | 64.7    | 65.4      | 65.4      | 68.7      | 69.2      | 72.2      | 77.4    |
| GE 3500               | 22.6                        | 54.4    | 55.4    | 55.4    | 59.6    | 59.6        | 62.4    | 62.9        | 62.9        | 64.9    | 65.7      | 65.7      | 68.9      | 69.4      | 72.4      | 77.7    |
| GE 3000               | 22.8                        | 54.9    | 55.9    | 55.9    | 60.4    | 60.4        | 63.4    | 63.9        | 63.9        | 65.9    | 66.7      | 66.7      | 69.9      | 70.4      | 73.4      | 78.7    |
| GE 2500               | 24.1                        | 57.1    | 58.1    | 58.1    | 62.7    | 62.7        | 65.7    | 66.2        | 66.2        | 68.2    | 68.9      | 68.9      | 72.2      | 72.7      | 75.7      | 81.5    |
| GE 2000               | 24.3                        | 59.1    | 60.4    | 60.4    | 64.9    | 64.9        | 67.9    | 68.4        | 68.4        | 70.7    | 71.4      | 71.4      | 74.7      | 75.2      | 78.4      | 84.2    |
| GE 1800               | 24.3                        | 59.1    | 60.4    | 60.4    | 64.9    | 64.9        | 67.9    | 68.4        | 68.4        | 70.7    | 71.4      | 71.4      | 74.7      | 75.2      | 78.4      | 84.2    |
| GE 1500               | 24.6                        | 60.9    | 62.2    | 62.2    | 66.7    | 66.7        | 69.9    | 70.4        | 70.4        | 72.9    | 73.7      | 73.7      | 76.9      | 77.4      | 80.7      | 86.7    |
| GE 1200               | 25.6                        | 63.7    | 64.4    | 64.4    | 69.9    | 70.2        | 73.9    | 74.4        | 74.4        | 77.7    | 78.4      | 78.4      | 82.0      | 82.5      | 86.2      | 92.5    |
| GE 1000               | 26.1                        | 64.4    | 66.2    | 66.2    | 72.2    | 72.7        | 76.4    | 76.9        | 76.9        | 80.7    | 82.0      | 82.0      | 85.7      | 86.2      | 90.2      | 96.5    |
| GE 900                | 26.1                        | 64.7    | 66.4    | 66.4    | 72.4    | 72.9        | 76.7    | 77.2        | 77.2        | 81.0    | 82.2      | 82.2      | 86.0      | 86.5      | 90.5      | 96.7    |
| GE 800                | 26.1                        | 64.7    | 66.4    | 66.4    | 72.4    | 72.9        | 76.7    | 77.2        | 77.2        | 81.0    | 82.2      | 82.2      | 86.0      | 86.5      | 90.5      | 97.0    |
| GE 700                | 26.1                        | 64.9    | 66.7    | 66.7    | 72.7    | 73.2        | 76.9    | 77.4        | 77.4        | 81.2    | 82.5      | 82.5      | 86.2      | 86.7      | 90.7      | 97.5    |
| GE 600                | 26.1                        | 64.9    | 66.7    | 66.7    | 72.7    | 73.2        | 76.9    | 77.4        | 77.4        | 81.2    | 82.5      | 82.5      | 86.5      | 87.0      | 91.0      | 97.7    |
| GE 500                | 26.1                        | 64.9    | 66.7    | 66.7    | 72.7    | 73.2        | 76.9    | 77.4        | 77.4        | 81.2    | 82.5      | 82.5      | 86.7      | 87.2      | 91.5      | 98.2    |
| GE 400                | 26.1                        | 64.9    | 66.7    | 66.7    | 72.7    | 73.2        | 76.9    | 77.4        | 77.4        | 81.2    | 82.5      | 82.5      | 86.7      | 87.2      | 91.5      | 98.2    |
| GE 300                | 26.1                        | 64.9    | 66.7    | 66.7    | 72.7    | 73.2        | 76.9    | 77.4        | 77.4        | 81.2    | 82.5      | 82.5      | 86.7      | 87.2      | 91.5      | 98.5    |
| GE 200                | 26.1                        | 64.9    | 66.7    | 66.7    | 72.7    | 73.2        | 76.9    | 77.4        | 77.4        | 81.2    | 82.5      | 82.5      | 87.0      | 87.5      | 92.0      | 99.2    |
| GE 100                | 26.1                        | 64.9    | 66.7    | 66.7    | 72.7    | 73.2        | 76.9    | 77.4        | 77.4        | 81.2    | 82.5      | 82.5      | 87.0      | 87.5      | 92.0      | 100.0   |
| GE 000                | 26.1                        | 64.9    | 66.7    | 66.7    | 72.7    | 73.2        | 76.9    | 77.4        | 77.4        | 81.2    | 82.5      | 82.5      | 87.0      | 87.5      | 92.0      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 399

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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               | 21.0                        | 53.6    | 55.1    | 55.1    | 57.2    | 57.5        | 59.2    | 59.4        | 59.4        | 61.1    | 61.6      | 61.6      | 63.8      | 64.0      | 65.9      | 69.8    |
| GE 20000              | 21.5                        | 54.6    | 56.0    | 56.0    | 58.5    | 58.7        | 60.4    | 60.6        | 60.6        | 62.3    | 62.8      | 62.8      | 65.0      | 65.2      | 67.1      | 71.0    |
| GE 18000              | 21.5                        | 55.1    | 56.5    | 56.5    | 58.9    | 59.2        | 61.1    | 61.4        | 61.4        | 63.0    | 63.5      | 63.5      | 65.7      | 65.9      | 67.9      | 71.7    |
| GE 16000              | 21.5                        | 55.1    | 56.5    | 56.5    | 58.9    | 59.2        | 61.1    | 61.4        | 61.4        | 63.0    | 63.5      | 63.5      | 65.7      | 65.9      | 67.9      | 71.7    |
| GE 14000              | 21.7                        | 55.3    | 56.8    | 56.8    | 59.2    | 59.4        | 61.4    | 61.6        | 61.6        | 63.3    | 63.8      | 63.8      | 65.9      | 66.2      | 68.1      | 72.0    |
| GE 12000              | 21.7                        | 55.6    | 57.0    | 57.0    | 59.4    | 59.7        | 61.6    | 61.8        | 61.8        | 63.5    | 64.0      | 64.0      | 66.2      | 66.4      | 68.4      | 72.2    |
| GE 10000              | 22.0                        | 56.3    | 57.7    | 57.7    | 60.1    | 60.4        | 62.3    | 62.6        | 62.6        | 64.3    | 64.7      | 64.7      | 66.9      | 67.1      | 69.1      | 72.9    |
| GE 9000               | 22.0                        | 56.3    | 57.7    | 57.7    | 60.1    | 60.4        | 62.3    | 62.6        | 62.6        | 64.3    | 64.7      | 64.7      | 66.9      | 67.1      | 69.1      | 72.9    |
| GE 8000               | 22.0                        | 56.5    | 58.0    | 58.0    | 60.4    | 60.6        | 62.6    | 62.8        | 62.8        | 64.5    | 65.0      | 65.0      | 67.1      | 67.4      | 69.3      | 73.2    |
| GE 7000               | 23.4                        | 59.2    | 60.6    | 60.6    | 63.0    | 63.3        | 65.2    | 65.5        | 65.5        | 67.4    | 67.9      | 67.9      | 70.0      | 70.3      | 72.2      | 76.1    |
| GE 6000               | 23.4                        | 59.7    | 61.1    | 61.1    | 63.5    | 63.8        | 65.7    | 65.9        | 65.9        | 67.9    | 68.4      | 68.4      | 70.5      | 70.8      | 72.7      | 76.6    |
| GE 5000               | 23.7                        | 60.4    | 61.8    | 61.8    | 64.3    | 64.5        | 66.7    | 66.9        | 66.9        | 68.8    | 69.3      | 69.3      | 71.5      | 71.7      | 73.7      | 77.5    |
| GE 4500               | 23.7                        | 60.4    | 61.8    | 61.8    | 64.3    | 64.5        | 66.7    | 66.9        | 66.9        | 68.8    | 69.3      | 69.3      | 71.5      | 71.7      | 73.7      | 77.5    |
| GE 4000               | 23.7                        | 61.1    | 62.6    | 62.6    | 65.0    | 65.2        | 67.4    | 67.6        | 67.6        | 69.6    | 70.0      | 70.0      | 72.2      | 72.5      | 74.4      | 78.3    |
| GE 3500               | 23.7                        | 61.6    | 63.0    | 63.0    | 65.5    | 65.7        | 67.9    | 68.1        | 68.1        | 70.0    | 70.5      | 70.5      | 72.7      | 72.9      | 74.9      | 78.7    |
| GE 3000               | 23.7                        | 61.8    | 63.3    | 63.3    | 65.7    | 65.9        | 68.1    | 68.4        | 68.4        | 70.3    | 70.8      | 70.8      | 72.9      | 73.2      | 75.1      | 79.0    |
| GE 2500               | 24.2                        | 64.0    | 65.5    | 65.5    | 67.9    | 68.1        | 70.5    | 70.8        | 70.8        | 72.7    | 73.2      | 73.2      | 75.6      | 75.8      | 77.8      | 81.6    |
| GE 2000               | 24.2                        | 65.7    | 67.1    | 67.1    | 69.8    | 70.0        | 72.7    | 72.9        | 72.9        | 75.1    | 75.6      | 75.6      | 78.3      | 78.5      | 80.4      | 84.3    |
| GE 1800               | 24.2                        | 65.7    | 67.1    | 67.1    | 69.8    | 70.0        | 72.7    | 72.9        | 72.9        | 75.1    | 75.6      | 75.6      | 78.3      | 78.5      | 80.4      | 84.3    |
| GE 1500               | 24.6                        | 66.4    | 67.9    | 67.9    | 70.5    | 70.8        | 74.2    | 74.4        | 74.4        | 76.6    | 77.1      | 77.1      | 79.7      | 80.0      | 81.9      | 85.7    |
| GE 1200               | 25.6                        | 68.4    | 69.8    | 69.8    | 73.9    | 74.2        | 77.8    | 78.0        | 78.0        | 80.4    | 81.2      | 81.2      | 84.3      | 84.5      | 86.5      | 90.6    |
| GE 1000               | 26.8                        | 72.0    | 73.9    | 73.9    | 78.0    | 78.3        | 82.4    | 82.6        | 82.9        | 85.7    | 86.5      | 86.5      | 89.6      | 89.9      | 91.8      | 96.4    |
| GE 900                | 26.8                        | 72.2    | 74.2    | 74.2    | 78.3    | 78.5        | 82.6    | 82.9        | 83.1        | 86.0    | 86.7      | 86.7      | 89.9      | 90.1      | 92.0      | 96.6    |
| GE 800                | 26.8                        | 72.7    | 74.6    | 74.6    | 78.7    | 79.0        | 83.1    | 83.3        | 83.6        | 86.5    | 87.2      | 87.2      | 90.3      | 90.6      | 92.8      | 97.3    |
| GE 700                | 27.3                        | 73.2    | 75.1    | 75.1    | 79.2    | 79.5        | 83.6    | 83.8        | 84.1        | 87.2    | 87.9      | 87.9      | 91.1      | 91.3      | 93.7      | 98.3    |
| GE 600                | 27.3                        | 73.2    | 75.1    | 75.1    | 79.2    | 79.5        | 83.6    | 83.8        | 84.1        | 87.2    | 87.9      | 87.9      | 91.1      | 91.3      | 93.7      | 98.3    |
| GE 500                | 27.3                        | 73.2    | 75.1    | 75.1    | 79.2    | 79.5        | 83.6    | 83.8        | 84.1        | 87.2    | 87.9      | 87.9      | 91.1      | 91.3      | 93.7      | 98.3    |
| GE 400                | 27.3                        | 73.2    | 75.1    | 75.1    | 79.2    | 79.5        | 83.6    | 83.8        | 84.1        | 87.2    | 87.9      | 87.9      | 91.1      | 91.3      | 93.7      | 98.3    |
| GE 300                | 27.3                        | 73.2    | 75.1    | 75.1    | 79.2    | 79.5        | 83.6    | 83.8        | 84.1        | 87.2    | 87.9      | 87.9      | 91.1      | 91.3      | 93.7      | 98.6    |
| GE 200                | 27.3                        | 73.2    | 75.1    | 75.1    | 79.2    | 79.5        | 83.6    | 83.8        | 84.1        | 87.2    | 87.9      | 87.9      | 91.5      | 91.8      | 94.2      | 99.0    |
| GE 100                | 27.3                        | 73.2    | 75.1    | 75.1    | 79.2    | 79.5        | 83.6    | 83.8        | 84.1        | 87.2    | 87.9      | 87.9      | 91.5      | 91.8      | 94.2      | 99.3    |
| GE 000                | 27.3                        | 73.2    | 75.1    | 75.1    | 79.2    | 79.5        | 83.6    | 83.8        | 84.1        | 87.2    | 87.9      | 87.9      | 91.5      | 91.8      | 94.2      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 414

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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               | 19.7                        | 49.6    | 51.2    | 51.2    | 54.0    | 54.2        | 56.3    | 56.5        | 56.5        | 58.4    | 58.7      | 58.7      | 61.3      | 61.8      | 64.4      | 68.6    |
| GE 20000              | 19.8                        | 50.4    | 52.0    | 52.0    | 55.0    | 55.1        | 57.3    | 57.6        | 57.6        | 59.5    | 59.9      | 59.9      | 62.5      | 62.9      | 65.6      | 69.7    |
| GE 18000              | 19.8                        | 50.7    | 52.3    | 52.3    | 55.3    | 55.5        | 57.7    | 58.0        | 58.0        | 60.0    | 60.3      | 60.3      | 62.9      | 63.4      | 66.0      | 70.2    |
| GE 16000              | 19.8                        | 50.8    | 52.4    | 52.4    | 55.4    | 55.5        | 57.7    | 58.1        | 58.1        | 60.0    | 60.4      | 60.4      | 63.0      | 63.4      | 66.1      | 70.3    |
| GE 14000              | 19.9                        | 51.1    | 52.7    | 52.7    | 55.7    | 55.9        | 58.1    | 58.4        | 58.4        | 60.4    | 60.8      | 60.8      | 63.4      | 63.8      | 66.5      | 70.6    |
| GE 12000              | 19.9                        | 51.3    | 53.0    | 53.0    | 56.0    | 56.2        | 58.4    | 58.7        | 58.7        | 60.7    | 61.1      | 61.1      | 63.7      | 64.1      | 66.8      | 71.0    |
| GE 10000              | 20.1                        | 52.4    | 54.1    | 54.1    | 57.1    | 57.3        | 59.5    | 59.9        | 59.9        | 61.8    | 62.2      | 62.2      | 64.8      | 65.2      | 67.9      | 72.1    |
| GE 9000               | 20.1                        | 52.4    | 54.2    | 54.2    | 57.2    | 57.4        | 59.6    | 59.9        | 59.9        | 61.9    | 62.3      | 62.3      | 64.9      | 65.3      | 68.0      | 72.2    |
| GE 8000               | 20.1                        | 52.9    | 54.6    | 54.6    | 57.7    | 57.9        | 60.2    | 60.5        | 60.5        | 62.5    | 62.8      | 62.8      | 65.4      | 65.9      | 68.5      | 72.7    |
| GE 7000               | 20.8                        | 54.5    | 56.2    | 56.2    | 59.4    | 59.6        | 61.8    | 62.1        | 62.1        | 64.2    | 64.6      | 64.6      | 67.2      | 67.6      | 70.3      | 74.5    |
| GE 6000               | 20.8                        | 55.0    | 56.7    | 56.7    | 60.0    | 60.2        | 62.4    | 62.7        | 62.7        | 64.8    | 65.2      | 65.2      | 67.8      | 68.2      | 70.9      | 75.1    |
| GE 5000               | 21.1                        | 56.0    | 57.7    | 57.7    | 61.0    | 61.2        | 63.5    | 63.8        | 63.8        | 66.0    | 66.4      | 66.4      | 69.0      | 69.4      | 72.1      | 76.4    |
| GE 4500               | 21.1                        | 56.0    | 57.7    | 57.7    | 61.0    | 61.2        | 63.5    | 63.8        | 63.8        | 66.0    | 66.4      | 66.4      | 69.0      | 69.4      | 72.1      | 76.4    |
| GE 4000               | 21.3                        | 56.9    | 58.6    | 58.6    | 61.9    | 62.1        | 64.4    | 64.7        | 64.7        | 66.9    | 67.2      | 67.2      | 69.8      | 70.3      | 73.0      | 77.3    |
| GE 3500               | 21.3                        | 57.1    | 58.8    | 58.8    | 62.1    | 62.3        | 64.6    | 64.9        | 64.9        | 67.0    | 67.4      | 67.4      | 70.0      | 70.4      | 73.2      | 77.4    |
| GE 3000               | 21.4                        | 57.7    | 59.4    | 59.4    | 62.8    | 63.0        | 65.4    | 65.7        | 65.7        | 67.8    | 68.2      | 68.2      | 70.9      | 71.3      | 74.0      | 78.3    |
| GE 2500               | 22.1                        | 59.7    | 61.5    | 61.5    | 65.0    | 65.2        | 67.6    | 67.9        | 67.9        | 70.1    | 70.4      | 70.4      | 73.2      | 73.6      | 76.3      | 80.7    |
| GE 2000               | 22.2                        | 61.6    | 63.4    | 63.4    | 67.2    | 67.3        | 69.8    | 70.1        | 70.1        | 72.5    | 72.9      | 72.9      | 75.7      | 76.1      | 78.9      | 83.3    |
| GE 1800               | 22.2                        | 61.6    | 63.4    | 63.4    | 67.2    | 67.3        | 69.8    | 70.1        | 70.1        | 72.5    | 72.9      | 72.9      | 75.7      | 76.1      | 78.9      | 83.3    |
| GE 1500               | 22.5                        | 62.7    | 64.5    | 64.5    | 68.3    | 68.5        | 71.3    | 71.6        | 71.6        | 74.0    | 74.4      | 74.4      | 77.2      | 77.6      | 80.4      | 84.9    |
| GE 1200               | 23.9                        | 65.8    | 67.6    | 67.6    | 72.2    | 72.5        | 75.7    | 76.0        | 76.0        | 79.1    | 79.5      | 79.5      | 82.6      | 83.0      | 86.2      | 91.0    |
| GE 1000               | 24.8                        | 68.3    | 70.5    | 70.5    | 75.4    | 75.7        | 79.2    | 79.6        | 79.6        | 83.5    | 84.1      | 84.1      | 87.4      | 87.9      | 91.3      | 96.4    |
| GE 900                | 24.8                        | 68.5    | 70.7    | 70.7    | 75.6    | 75.9        | 79.4    | 79.7        | 79.8        | 83.7    | 84.3      | 84.3      | 87.6      | 88.0      | 91.4      | 96.6    |
| GE 800                | 24.8                        | 68.6    | 70.8    | 70.8    | 75.7    | 76.0        | 79.6    | 79.9        | 80.0        | 84.0    | 84.6      | 84.6      | 87.9      | 88.3      | 91.8      | 97.0    |
| GE 700                | 25.1                        | 69.0    | 71.2    | 71.2    | 76.1    | 76.4        | 80.0    | 80.3        | 80.4        | 84.4    | 85.0      | 85.0      | 88.3      | 88.7      | 92.3      | 97.5    |
| GE 600                | 25.1                        | 69.0    | 71.2    | 71.2    | 76.1    | 76.4        | 80.0    | 80.4        | 80.4        | 84.4    | 85.1      | 85.1      | 88.4      | 88.8      | 92.4      | 97.6    |
| GE 500                | 25.1                        | 69.0    | 71.2    | 71.2    | 76.1    | 76.4        | 80.1    | 80.4        | 80.5        | 84.6    | 85.3      | 85.3      | 88.7      | 89.1      | 92.8      | 98.2    |
| GE 400                | 25.1                        | 69.0    | 71.2    | 71.2    | 76.1    | 76.4        | 80.2    | 80.5        | 80.5        | 84.7    | 85.3      | 85.3      | 88.7      | 89.2      | 92.9      | 98.3    |
| GE 300                | 25.1                        | 69.0    | 71.2    | 71.2    | 76.1    | 76.4        | 80.2    | 80.5        | 80.5        | 84.7    | 85.3      | 85.3      | 88.7      | 89.2      | 92.9      | 98.5    |
| GE 200                | 25.1                        | 69.0    | 71.2    | 71.2    | 76.1    | 76.4        | 80.2    | 80.5        | 80.6        | 84.8    | 85.4      | 85.4      | 89.1      | 89.5      | 93.4      | 99.1    |
| GE 100                | 25.1                        | 69.0    | 71.2    | 71.2    | 76.1    | 76.4        | 80.2    | 80.5        | 80.6        | 84.8    | 85.4      | 85.4      | 89.1      | 89.5      | 93.5      | 99.8    |
| GE 000                | 25.1                        | 69.0    | 71.2    | 71.2    | 76.1    | 76.4        | 80.2    | 80.5        | 80.6        | 84.8    | 85.4      | 85.4      | 89.1      | 89.5      | 93.5      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 1614

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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               | 14.2                        | 37.2    | 37.7    | 37.7    | 38.4    | 38.4        | 38.8    | 38.8        | 38.8        | 39.5    | 39.8      | 40.0      | 41.4      | 41.4      | 42.6      | 44.2    |
| GE 20000              | 14.2                        | 37.7    | 38.1    | 38.1    | 38.8    | 38.8        | 39.3    | 39.3        | 39.3        | 40.0    | 40.2      | 40.5      | 41.9      | 41.9      | 43.0      | 44.7    |
| GE 18000              | 14.2                        | 37.7    | 38.1    | 38.1    | 38.8    | 38.8        | 39.3    | 39.3        | 39.3        | 40.0    | 40.2      | 40.5      | 41.9      | 41.9      | 43.0      | 44.7    |
| GE 16000              | 14.2                        | 37.7    | 38.1    | 38.1    | 38.8    | 38.8        | 39.3    | 39.3        | 39.3        | 40.0    | 40.2      | 40.5      | 41.9      | 41.9      | 43.0      | 44.7    |
| GE 14000              | 14.2                        | 37.9    | 38.4    | 38.4    | 39.1    | 39.1        | 39.5    | 39.5        | 39.5        | 40.2    | 40.5      | 40.7      | 42.1      | 42.1      | 43.3      | 44.9    |
| GE 12000              | 14.2                        | 37.9    | 38.4    | 38.4    | 39.1    | 39.1        | 39.5    | 39.5        | 39.5        | 40.2    | 40.5      | 40.7      | 42.1      | 42.1      | 43.3      | 44.9    |
| GE 10000              | 14.2                        | 38.1    | 38.6    | 38.6    | 39.3    | 39.3        | 39.8    | 39.8        | 39.8        | 40.5    | 40.7      | 40.9      | 42.3      | 42.3      | 43.5      | 45.1    |
| GE 9000               | 14.2                        | 38.1    | 38.6    | 38.6    | 39.3    | 39.3        | 39.8    | 39.8        | 39.8        | 40.5    | 40.7      | 40.9      | 42.3      | 42.3      | 43.5      | 45.1    |
| GE 8000               | 14.2                        | 38.4    | 38.8    | 38.8    | 39.5    | 39.5        | 40.0    | 40.0        | 40.0        | 40.7    | 40.9      | 41.2      | 42.6      | 42.6      | 43.7      | 45.3    |
| GE 7000               | 14.9                        | 39.3    | 40.0    | 40.0    | 40.7    | 40.7        | 41.2    | 41.2        | 41.2        | 41.9    | 42.1      | 42.3      | 44.0      | 44.0      | 45.1      | 46.7    |
| GE 6000               | 14.9                        | 40.0    | 40.7    | 40.7    | 41.4    | 41.4        | 41.9    | 41.9        | 41.9        | 42.6    | 42.8      | 43.0      | 44.7      | 44.7      | 45.8      | 47.4    |
| GE 5000               | 15.8                        | 42.1    | 42.8    | 42.8    | 43.5    | 43.5        | 44.0    | 44.0        | 44.0        | 44.7    | 44.9      | 45.1      | 46.7      | 46.7      | 47.9      | 49.5    |
| GE 4500               | 15.8                        | 42.1    | 42.8    | 42.8    | 43.5    | 43.5        | 44.0    | 44.0        | 44.0        | 44.7    | 44.9      | 45.1      | 46.7      | 46.7      | 47.9      | 49.5    |
| GE 4000               | 16.3                        | 42.6    | 43.3    | 43.3    | 44.0    | 44.0        | 44.4    | 44.4        | 44.4        | 45.1    | 45.3      | 45.6      | 47.2      | 47.2      | 48.4      | 50.0    |
| GE 3500               | 16.3                        | 42.6    | 43.3    | 43.3    | 44.0    | 44.0        | 44.4    | 44.4        | 44.4        | 45.1    | 45.3      | 45.6      | 47.2      | 47.2      | 48.4      | 50.0    |
| GE 3000               | 16.3                        | 43.0    | 43.7    | 43.7    | 44.4    | 44.4        | 45.1    | 45.1        | 45.1        | 45.8    | 46.3      | 46.5      | 48.1      | 48.1      | 49.3      | 50.9    |
| GE 2500               | 17.0                        | 45.1    | 46.0    | 46.0    | 47.0    | 47.0        | 47.4    | 47.4        | 47.4        | 48.1    | 48.6      | 48.8      | 50.5      | 50.5      | 51.6      | 53.3    |
| GE 2000               | 17.2                        | 50.7    | 51.6    | 51.6    | 53.0    | 53.0        | 53.5    | 53.5        | 53.5        | 54.2    | 54.7      | 54.9      | 56.5      | 56.5      | 57.7      | 59.3    |
| GE 1800               | 17.2                        | 50.7    | 51.6    | 51.6    | 53.0    | 53.0        | 53.5    | 53.5        | 53.5        | 54.2    | 54.7      | 54.9      | 56.5      | 56.5      | 57.7      | 59.3    |
| GE 1500               | 18.1                        | 53.7    | 54.7    | 54.7    | 56.3    | 56.3        | 56.7    | 56.7        | 56.7        | 57.4    | 57.9      | 58.1      | 59.8      | 59.8      | 60.9      | 62.6    |
| GE 1200               | 23.3                        | 65.1    | 66.0    | 66.0    | 68.6    | 68.6        | 69.3    | 69.3        | 69.3        | 70.9    | 71.4      | 71.6      | 74.0      | 74.0      | 75.6      | 77.4    |
| GE 1000               | 26.0                        | 75.8    | 77.4    | 77.4    | 80.7    | 80.7        | 81.6    | 81.6        | 81.6        | 84.7    | 85.1      | 85.3      | 87.9      | 87.9      | 89.5      | 91.9    |
| GE 900                | 26.0                        | 75.8    | 77.7    | 77.7    | 80.9    | 80.9        | 81.9    | 81.9        | 81.9        | 85.1    | 85.6      | 85.8      | 88.4      | 88.4      | 90.0      | 92.3    |
| GE 800                | 26.0                        | 76.0    | 77.9    | 77.9    | 81.4    | 81.4        | 82.6    | 82.6        | 82.6        | 85.8    | 86.3      | 86.5      | 89.5      | 89.5      | 91.2      | 93.7    |
| GE 700                | 26.5                        | 77.4    | 79.3    | 79.3    | 82.8    | 82.8        | 84.0    | 84.0        | 84.0        | 87.4    | 87.9      | 88.1      | 91.2      | 91.2      | 93.3      | 95.8    |
| GE 600                | 26.5                        | 77.4    | 79.3    | 79.3    | 82.8    | 82.8        | 84.0    | 84.0        | 84.0        | 87.4    | 87.9      | 88.1      | 91.2      | 91.2      | 93.3      | 95.8    |
| GE 500                | 26.5                        | 77.4    | 79.3    | 79.3    | 82.8    | 82.8        | 84.0    | 84.0        | 84.0        | 87.4    | 87.9      | 88.1      | 91.2      | 91.2      | 93.3      | 95.8    |
| GE 400                | 27.0                        | 78.1    | 80.0    | 80.0    | 83.5    | 83.5        | 84.7    | 84.7        | 84.7        | 88.1    | 88.8      | 89.1      | 92.3      | 92.3      | 94.9      | 97.4    |
| GE 300                | 27.0                        | 78.1    | 80.0    | 80.0    | 83.5    | 83.5        | 84.7    | 84.7        | 84.7        | 88.1    | 88.8      | 89.1      | 92.3      | 92.3      | 94.9      | 97.4    |
| GE 200                | 27.0                        | 78.1    | 80.0    | 80.0    | 83.5    | 83.5        | 84.7    | 84.7        | 84.7        | 88.1    | 88.8      | 89.1      | 92.8      | 92.8      | 95.3      | 98.1    |
| GE 100                | 27.0                        | 78.1    | 80.0    | 80.0    | 83.5    | 83.5        | 84.7    | 84.7        | 84.7        | 88.1    | 88.8      | 89.1      | 92.8      | 92.8      | 96.3      | 99.5    |
| GE 000                | 27.0                        | 78.1    | 80.0    | 80.0    | 83.5    | 83.5        | 84.7    | 84.7        | 84.7        | 88.1    | 88.8      | 89.1      | 93.0      | 93.0      | 96.5      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 430

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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               | 12.6                        | 29.0    | 29.5    | 29.5    | 30.2    | 30.2        | 31.4    | 31.7        | 31.7        | 32.9    | 33.2      | 33.2      | 34.4      | 34.9      | 36.1      | 36.9    |
| GE 20000              | 12.9                        | 30.0    | 30.4    | 30.4    | 31.2    | 31.2        | 32.4    | 32.7        | 32.7        | 33.9    | 34.2      | 34.2      | 35.4      | 35.9      | 37.1      | 37.9    |
| GE 18000              | 12.9                        | 30.2    | 30.7    | 30.7    | 31.4    | 31.4        | 32.7    | 32.9        | 32.9        | 34.2    | 34.4      | 34.4      | 35.6      | 36.1      | 37.4      | 38.1    |
| GE 16000              | 12.9                        | 30.2    | 30.7    | 30.7    | 31.4    | 31.4        | 32.7    | 32.9        | 32.9        | 34.2    | 34.4      | 34.4      | 35.6      | 36.1      | 37.4      | 38.1    |
| GE 14000              | 12.9                        | 30.4    | 30.9    | 30.9    | 31.7    | 31.7        | 32.9    | 33.2        | 33.2        | 34.4    | 34.7      | 34.7      | 35.9      | 36.4      | 37.6      | 38.4    |
| GE 12000              | 12.9                        | 30.4    | 30.9    | 30.9    | 31.7    | 31.7        | 32.9    | 33.2        | 33.2        | 34.4    | 34.7      | 34.7      | 35.9      | 36.4      | 37.6      | 38.4    |
| GE 10000              | 13.9                        | 31.9    | 32.4    | 32.4    | 33.2    | 33.2        | 34.4    | 34.7        | 34.7        | 35.9    | 36.1      | 36.1      | 37.4      | 37.9      | 39.1      | 39.9    |
| GE 9000               | 13.9                        | 31.9    | 32.4    | 32.4    | 33.2    | 33.2        | 34.4    | 34.7        | 34.7        | 35.9    | 36.1      | 36.1      | 37.4      | 37.9      | 39.1      | 39.9    |
| GE 8000               | 14.1                        | 32.4    | 32.9    | 32.9    | 33.7    | 33.7        | 34.9    | 35.1        | 35.1        | 36.4    | 36.6      | 36.6      | 37.9      | 38.4      | 39.6      | 40.3    |
| GE 7000               | 14.1                        | 32.9    | 33.4    | 33.4    | 34.2    | 34.2        | 35.4    | 35.6        | 35.6        | 36.9    | 37.1      | 37.1      | 38.4      | 38.9      | 40.3      | 41.1    |
| GE 6000               | 14.1                        | 33.2    | 33.7    | 33.7    | 34.4    | 34.4        | 35.6    | 35.9        | 35.9        | 37.1    | 37.4      | 37.4      | 38.6      | 39.1      | 40.6      | 41.3    |
| GE 5000               | 14.4                        | 35.1    | 35.6    | 35.6    | 36.4    | 36.4        | 37.6    | 37.9        | 37.9        | 39.1    | 39.4      | 39.4      | 40.6      | 41.1      | 42.6      | 43.3    |
| GE 4500               | 14.4                        | 35.1    | 35.6    | 35.6    | 36.4    | 36.4        | 37.6    | 37.9        | 37.9        | 39.1    | 39.4      | 39.4      | 40.6      | 41.1      | 42.6      | 43.3    |
| GE 4000               | 15.1                        | 36.4    | 36.9    | 36.9    | 37.6    | 37.6        | 38.9    | 39.1        | 39.1        | 40.3    | 40.6      | 40.6      | 41.8      | 42.3      | 43.8      | 44.6    |
| GE 3500               | 15.1                        | 36.6    | 37.1    | 37.1    | 37.9    | 37.9        | 39.1    | 39.4        | 39.4        | 40.6    | 40.8      | 40.8      | 42.1      | 42.6      | 44.1      | 44.8    |
| GE 3000               | 15.6                        | 38.6    | 39.1    | 39.1    | 39.9    | 39.9        | 41.1    | 41.3        | 41.3        | 42.6    | 42.8      | 42.8      | 44.1      | 44.6      | 46.0      | 46.8    |
| GE 2500               | 16.8                        | 41.3    | 41.8    | 41.8    | 42.8    | 42.8        | 44.3    | 44.6        | 44.6        | 46.0    | 46.3      | 46.3      | 47.5      | 48.0      | 49.5      | 50.2    |
| GE 2000               | 17.8                        | 47.8    | 48.3    | 48.3    | 49.3    | 49.3        | 51.0    | 51.2        | 51.2        | 52.7    | 53.0      | 53.0      | 54.2      | 54.7      | 56.2      | 56.9    |
| GE 1800               | 17.8                        | 47.8    | 48.3    | 48.3    | 49.3    | 49.3        | 51.0    | 51.2        | 51.2        | 52.7    | 53.0      | 53.0      | 54.2      | 54.7      | 56.2      | 56.9    |
| GE 1500               | 19.3                        | 53.7    | 54.2    | 54.2    | 55.4    | 55.4        | 57.2    | 57.4        | 57.4        | 58.9    | 59.2      | 59.2      | 60.6      | 61.1      | 62.6      | 63.6    |
| GE 1200               | 24.0                        | 63.1    | 64.1    | 64.1    | 67.1    | 67.1        | 69.8    | 70.3        | 70.3        | 72.3    | 72.5      | 72.5      | 74.5      | 75.0      | 77.2      | 78.5    |
| GE 1000               | 26.7                        | 71.8    | 73.0    | 73.0    | 76.5    | 76.5        | 80.4    | 80.9        | 80.9        | 82.9    | 83.2      | 83.2      | 85.9      | 86.4      | 89.1      | 90.3    |
| GE 900                | 26.7                        | 71.8    | 73.3    | 73.3    | 76.7    | 76.7        | 80.7    | 81.2        | 81.2        | 83.2    | 83.4      | 83.4      | 86.1      | 86.6      | 89.4      | 90.6    |
| GE 800                | 27.2                        | 72.8    | 74.3    | 74.3    | 77.7    | 77.7        | 81.7    | 82.4        | 82.4        | 84.4    | 84.7      | 84.7      | 87.6      | 88.1      | 91.3      | 92.6    |
| GE 700                | 28.2                        | 74.8    | 76.5    | 76.5    | 80.0    | 80.0        | 83.9    | 84.7        | 84.7        | 86.6    | 86.9      | 86.9      | 90.1      | 90.6      | 93.8      | 95.0    |
| GE 600                | 28.2                        | 75.0    | 76.7    | 76.7    | 80.4    | 80.4        | 84.4    | 85.1        | 85.1        | 87.1    | 87.4      | 87.4      | 90.6      | 91.1      | 94.3      | 95.5    |
| GE 500                | 28.2                        | 75.0    | 76.7    | 76.7    | 80.4    | 80.4        | 84.4    | 85.1        | 85.1        | 87.1    | 87.4      | 87.4      | 90.6      | 91.1      | 94.6      | 95.8    |
| GE 400                | 28.5                        | 75.7    | 77.5    | 77.5    | 81.4    | 81.4        | 85.4    | 86.1        | 86.1        | 88.4    | 88.6      | 88.6      | 92.1      | 92.6      | 96.3      | 97.5    |
| GE 300                | 28.5                        | 75.7    | 77.5    | 77.5    | 81.4    | 81.4        | 85.4    | 86.1        | 86.1        | 88.4    | 88.6      | 88.6      | 92.1      | 92.6      | 96.5      | 97.8    |
| GE 200                | 28.5                        | 75.7    | 77.5    | 77.5    | 81.4    | 81.4        | 85.6    | 86.4        | 86.4        | 88.6    | 88.9      | 88.9      | 92.3      | 92.8      | 97.0      | 98.5    |
| GE 100                | 28.5                        | 75.7    | 77.5    | 77.5    | 81.4    | 81.4        | 85.6    | 86.4        | 86.4        | 88.6    | 88.9      | 88.9      | 92.3      | 92.8      | 97.8      | 99.8    |
| GE 000                | 28.5                        | 75.7    | 77.5    | 77.5    | 81.4    | 81.4        | 85.6    | 86.4        | 86.4        | 88.6    | 88.9      | 88.9      | 92.3      | 92.8      | 97.8      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 404

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
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               | 14.9                        | 35.2    | 35.9    | 35.9    | 36.9    | 36.9        | 37.6    | 37.6        | 37.6        | 38.8    | 38.8      | 38.8      | 39.3      | 39.3      | 41.0      | 41.7    |
| GE 20000              | 14.9                        | 35.2    | 35.9    | 35.9    | 36.9    | 36.9        | 37.6    | 37.6        | 37.6        | 38.8    | 38.8      | 38.8      | 39.3      | 39.3      | 41.0      | 41.7    |
| GE 18000              | 15.4                        | 35.7    | 36.4    | 36.4    | 37.3    | 37.3        | 38.1    | 38.1        | 38.1        | 39.3    | 39.3      | 39.3      | 39.8      | 39.8      | 41.4      | 42.2    |
| GE 16000              | 15.4                        | 35.7    | 36.4    | 36.4    | 37.3    | 37.3        | 38.1    | 38.1        | 38.1        | 39.3    | 39.3      | 39.3      | 39.8      | 39.8      | 41.4      | 42.2    |
| GE 14000              | 15.4                        | 35.9    | 36.6    | 36.6    | 37.6    | 37.6        | 38.3    | 38.3        | 38.3        | 39.5    | 39.5      | 39.5      | 40.0      | 40.0      | 41.7      | 42.4    |
| GE 12000              | 15.4                        | 35.9    | 36.6    | 36.6    | 37.6    | 37.6        | 38.3    | 38.3        | 38.3        | 39.5    | 39.5      | 39.5      | 40.0      | 40.0      | 41.7      | 42.4    |
| GE 10000              | 15.7                        | 36.9    | 37.6    | 37.6    | 38.6    | 38.6        | 39.3    | 39.3        | 39.3        | 40.5    | 40.5      | 40.5      | 41.0      | 41.0      | 42.7      | 43.4    |
| GE 9000               | 15.7                        | 36.9    | 37.6    | 37.6    | 38.6    | 38.6        | 39.3    | 39.3        | 39.3        | 40.5    | 40.5      | 40.5      | 41.0      | 41.0      | 42.7      | 43.4    |
| GE 8000               | 16.4                        | 38.3    | 39.0    | 39.0    | 40.0    | 40.0        | 40.7    | 40.7        | 40.7        | 41.9    | 41.9      | 41.9      | 42.4      | 42.4      | 44.1      | 44.8    |
| GE 7000               | 17.1                        | 39.8    | 40.5    | 40.5    | 41.4    | 41.4        | 42.2    | 42.2        | 42.2        | 43.4    | 43.4      | 43.4      | 43.9      | 43.9      | 45.5      | 46.3    |
| GE 6000               | 17.1                        | 40.0    | 40.7    | 40.7    | 41.7    | 41.7        | 42.4    | 42.4        | 42.4        | 43.6    | 43.6      | 43.6      | 44.1      | 44.1      | 45.8      | 46.5    |
| GE 5000               | 17.3                        | 41.0    | 41.9    | 41.9    | 42.9    | 42.9        | 43.9    | 43.9        | 43.9        | 45.1    | 45.1      | 45.1      | 45.5      | 45.5      | 47.2      | 48.0    |
| GE 4500               | 17.3                        | 41.0    | 41.9    | 41.9    | 42.9    | 42.9        | 43.9    | 43.9        | 43.9        | 45.1    | 45.1      | 45.1      | 45.5      | 45.5      | 47.2      | 48.0    |
| GE 4000               | 17.6                        | 41.9    | 42.9    | 42.9    | 43.9    | 43.9        | 44.8    | 44.8        | 44.8        | 46.0    | 46.0      | 46.0      | 46.5      | 46.5      | 48.2      | 48.9    |
| GE 3500               | 17.6                        | 42.4    | 43.4    | 43.4    | 44.3    | 44.3        | 45.3    | 45.3        | 45.3        | 46.5    | 46.5      | 46.5      | 47.0      | 47.0      | 48.7      | 49.4    |
| GE 3000               | 17.8                        | 43.6    | 44.6    | 44.6    | 45.5    | 45.5        | 46.5    | 46.5        | 46.5        | 48.0    | 48.0      | 48.0      | 48.4      | 48.4      | 50.1      | 50.8    |
| GE 2500               | 20.7                        | 48.9    | 49.9    | 49.9    | 51.1    | 51.1        | 52.0    | 52.0        | 52.0        | 53.5    | 53.5      | 53.5      | 54.0      | 54.0      | 55.7      | 56.4    |
| GE 2000               | 21.2                        | 55.7    | 56.6    | 56.6    | 58.1    | 58.1        | 59.0    | 59.3        | 59.3        | 60.7    | 60.7      | 60.7      | 61.4      | 61.4      | 63.1      | 63.9    |
| GE 1800               | 21.2                        | 55.7    | 56.6    | 56.6    | 58.1    | 58.1        | 59.0    | 59.3        | 59.3        | 60.7    | 60.7      | 60.7      | 61.4      | 61.4      | 63.1      | 63.9    |
| GE 1500               | 21.9                        | 58.8    | 59.8    | 59.8    | 61.4    | 61.4        | 62.4    | 62.7        | 62.7        | 64.1    | 64.1      | 64.1      | 64.8      | 64.8      | 66.5      | 67.2    |
| GE 1200               | 28.2                        | 69.2    | 70.6    | 70.6    | 72.8    | 72.8        | 74.2    | 74.7        | 74.7        | 76.4    | 76.4      | 76.6      | 77.6      | 77.6      | 79.5      | 80.5    |
| GE 1000               | 31.3                        | 77.8    | 79.8    | 79.8    | 82.7    | 82.7        | 84.8    | 85.3        | 85.3        | 87.5    | 87.5      | 87.7      | 88.9      | 88.9      | 91.1      | 92.8    |
| GE 900                | 31.3                        | 77.8    | 79.8    | 79.8    | 82.7    | 82.7        | 84.8    | 85.3        | 85.3        | 87.5    | 87.5      | 87.7      | 88.9      | 88.9      | 91.1      | 92.8    |
| GE 800                | 31.6                        | 78.3    | 80.5    | 80.5    | 83.4    | 83.4        | 85.8    | 86.3        | 86.3        | 88.4    | 88.4      | 88.7      | 90.1      | 90.1      | 92.5      | 94.2    |
| GE 700                | 32.5                        | 80.0    | 82.2    | 82.2    | 85.1    | 85.1        | 87.7    | 88.2        | 88.2        | 90.4    | 90.4      | 90.6      | 92.3      | 92.3      | 94.7      | 96.4    |
| GE 600                | 32.5                        | 80.2    | 82.4    | 82.4    | 85.3    | 85.3        | 88.0    | 88.4        | 88.4        | 90.6    | 90.6      | 90.8      | 92.5      | 92.5      | 94.9      | 96.6    |
| GE 500                | 32.5                        | 80.5    | 82.7    | 82.7    | 85.5    | 85.5        | 88.2    | 88.7        | 88.7        | 90.8    | 90.8      | 91.1      | 92.8      | 92.8      | 95.2      | 96.9    |
| GE 400                | 33.3                        | 81.7    | 83.9    | 83.9    | 86.7    | 86.7        | 89.4    | 90.1        | 90.1        | 92.3    | 92.3      | 92.5      | 94.2      | 94.2      | 96.6      | 98.3    |
| GE 300                | 33.3                        | 81.7    | 83.9    | 83.9    | 86.7    | 86.7        | 89.4    | 90.1        | 90.1        | 92.5    | 92.5      | 92.8      | 94.7      | 94.7      | 97.1      | 98.8    |
| GE 200                | 33.3                        | 81.7    | 83.9    | 83.9    | 86.7    | 86.7        | 89.4    | 90.1        | 90.1        | 92.5    | 92.5      | 92.8      | 94.7      | 94.7      | 97.1      | 98.8    |
| GE 100                | 33.3                        | 81.7    | 83.9    | 83.9    | 86.7    | 86.7        | 89.4    | 90.1        | 90.1        | 92.5    | 92.5      | 92.8      | 94.7      | 94.7      | 97.8      | 100.0   |
| GE 000                | 33.3                        | 81.7    | 83.9    | 83.9    | 86.7    | 86.7        | 89.4    | 90.1        | 90.1        | 92.5    | 92.5      | 92.8      | 94.7      | 94.7      | 97.8      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 415

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
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               | 16.0                        | 36.9    | 37.6    | 37.6    | 37.9    | 37.9        | 38.6    | 38.6        | 38.6        | 38.6    | 39.1      | 39.1      | 40.0      | 40.0      | 41.2      | 42.4    |
| GE 20000              | 16.7                        | 39.3    | 40.0    | 40.0    | 40.2    | 40.2        | 40.9    | 40.9        | 40.9        | 40.9    | 41.4      | 41.4      | 42.4      | 42.4      | 43.5      | 44.7    |
| GE 18000              | 16.7                        | 39.5    | 40.2    | 40.2    | 40.5    | 40.5        | 41.2    | 41.2        | 41.2        | 41.2    | 41.6      | 41.6      | 42.6      | 42.6      | 43.8      | 44.9    |
| GE 16000              | 16.7                        | 39.5    | 40.2    | 40.2    | 40.5    | 40.5        | 41.2    | 41.2        | 41.2        | 41.2    | 41.6      | 41.6      | 42.6      | 42.6      | 43.8      | 44.9    |
| GE 14000              | 16.7                        | 39.5    | 40.2    | 40.2    | 40.5    | 40.5        | 41.2    | 41.2        | 41.2        | 41.2    | 41.6      | 41.6      | 42.6      | 42.6      | 43.8      | 44.9    |
| GE 12000              | 16.7                        | 39.5    | 40.2    | 40.2    | 40.5    | 40.5        | 41.2    | 41.2        | 41.2        | 41.2    | 41.6      | 41.6      | 42.6      | 42.6      | 43.8      | 44.9    |
| GE 10000              | 17.9                        | 41.2    | 41.9    | 41.9    | 42.1    | 42.1        | 42.8    | 42.8        | 42.8        | 42.8    | 43.3      | 43.3      | 44.2      | 44.2      | 45.4      | 46.6    |
| GE 9000               | 17.9                        | 41.2    | 41.9    | 41.9    | 42.1    | 42.1        | 42.8    | 42.8        | 42.8        | 42.8    | 43.3      | 43.3      | 44.2      | 44.2      | 45.4      | 46.6    |
| GE 8000               | 17.9                        | 41.9    | 42.6    | 42.6    | 42.8    | 42.8        | 43.5    | 43.5        | 43.5        | 43.5    | 44.0      | 44.0      | 44.9      | 44.9      | 46.1      | 47.3    |
| GE 7000               | 18.4                        | 42.4    | 43.1    | 43.1    | 43.3    | 43.3        | 44.0    | 44.0        | 44.0        | 44.0    | 44.5      | 44.5      | 45.4      | 45.4      | 46.6      | 47.8    |
| GE 6000               | 18.4                        | 42.6    | 43.3    | 43.3    | 43.5    | 43.5        | 44.2    | 44.2        | 44.2        | 44.2    | 44.7      | 44.7      | 45.6      | 45.6      | 46.8      | 48.0    |
| GE 5000               | 18.8                        | 44.7    | 45.4    | 45.4    | 45.6    | 45.6        | 46.4    | 46.4        | 46.4        | 46.4    | 46.8      | 46.8      | 47.8      | 47.8      | 48.9      | 50.1    |
| GE 4500               | 18.8                        | 44.9    | 45.6    | 45.6    | 45.9    | 45.9        | 46.6    | 46.6        | 46.6        | 46.6    | 47.1      | 47.1      | 48.0      | 48.0      | 49.2      | 50.4    |
| GE 4000               | 18.8                        | 46.4    | 47.1    | 47.1    | 47.3    | 47.3        | 48.0    | 48.0        | 48.0        | 48.0    | 48.5      | 48.5      | 49.4      | 49.4      | 50.6      | 51.8    |
| GE 3500               | 18.8                        | 46.6    | 47.3    | 47.3    | 47.5    | 47.5        | 48.2    | 48.2        | 48.2        | 48.2    | 48.7      | 48.7      | 49.6      | 49.6      | 50.8      | 52.0    |
| GE 3000               | 19.1                        | 48.0    | 48.7    | 48.7    | 49.2    | 49.2        | 49.9    | 49.9        | 49.9        | 49.9    | 50.4      | 50.4      | 51.3      | 51.3      | 52.5      | 53.6    |
| GE 2500               | 21.4                        | 52.2    | 52.9    | 52.9    | 53.4    | 53.4        | 54.1    | 54.1        | 54.1        | 54.1    | 54.6      | 54.6      | 55.5      | 55.5      | 56.7      | 57.9    |
| GE 2000               | 21.4                        | 57.9    | 58.8    | 58.8    | 59.3    | 59.3        | 60.0    | 60.0        | 60.0        | 60.0    | 60.5      | 60.5      | 61.4      | 61.4      | 62.6      | 63.8    |
| GE 1800               | 21.4                        | 58.1    | 59.1    | 59.1    | 59.5    | 59.5        | 60.2    | 60.2        | 60.2        | 60.5    | 60.9      | 60.9      | 61.9      | 61.9      | 63.1      | 64.2    |
| GE 1500               | 22.8                        | 60.7    | 61.9    | 61.9    | 62.4    | 62.4        | 63.1    | 63.1        | 63.1        | 63.3    | 63.8      | 63.8      | 64.7      | 64.7      | 65.9      | 67.1    |
| GE 1200               | 29.6                        | 72.0    | 73.2    | 73.2    | 74.4    | 74.4        | 75.8    | 75.8        | 75.8        | 76.2    | 76.7      | 76.7      | 77.6      | 77.6      | 78.8      | 80.0    |
| GE 1000               | 32.0                        | 78.8    | 81.2    | 81.2    | 82.8    | 82.8        | 84.7    | 84.7        | 84.7        | 85.9    | 86.4      | 86.4      | 87.3      | 87.3      | 88.5      | 90.1    |
| GE 900                | 32.0                        | 78.8    | 81.2    | 81.2    | 82.8    | 82.8        | 84.7    | 84.7        | 84.7        | 85.9    | 86.4      | 86.4      | 87.3      | 87.3      | 88.5      | 90.1    |
| GE 800                | 32.7                        | 79.3    | 81.9    | 81.9    | 83.5    | 83.5        | 85.4    | 85.4        | 85.4        | 86.8    | 87.3      | 87.3      | 88.5      | 88.5      | 89.9      | 91.5    |
| GE 700                | 33.4                        | 81.2    | 83.5    | 83.5    | 85.2    | 85.2        | 87.1    | 87.1        | 87.1        | 88.5    | 88.9      | 88.9      | 90.1      | 90.1      | 91.5      | 93.2    |
| GE 600                | 33.4                        | 81.4    | 83.8    | 83.8    | 85.4    | 85.4        | 87.3    | 87.3        | 87.3        | 88.7    | 89.2      | 89.2      | 90.4      | 90.4      | 91.8      | 93.4    |
| GE 500                | 33.9                        | 82.6    | 84.9    | 84.9    | 86.6    | 86.6        | 88.7    | 88.7        | 88.7        | 90.1    | 90.6      | 90.6      | 91.8      | 91.8      | 93.4      | 95.1    |
| GE 400                | 34.6                        | 83.5    | 85.9    | 85.9    | 87.8    | 87.8        | 89.9    | 89.9        | 89.9        | 91.3    | 91.8      | 91.8      | 92.9      | 92.9      | 94.8      | 96.5    |
| GE 300                | 34.8                        | 83.8    | 86.1    | 86.1    | 88.0    | 88.0        | 90.1    | 90.1        | 90.1        | 91.5    | 92.0      | 92.0      | 93.2      | 93.2      | 95.1      | 96.7    |
| GE 200                | 35.1                        | 84.2    | 86.6    | 86.6    | 88.5    | 88.5        | 90.6    | 90.6        | 90.6        | 92.0    | 92.5      | 92.5      | 93.6      | 93.6      | 96.0      | 97.9    |
| GE 100                | 35.1                        | 84.2    | 86.6    | 86.6    | 88.5    | 88.5        | 90.6    | 90.6        | 90.6        | 92.0    | 92.5      | 92.5      | 93.6      | 93.6      | 96.9      | 100.0   |
| GE 000                | 35.1                        | 84.2    | 86.6    | 86.6    | 88.5    | 88.5        | 90.6    | 90.6        | 90.6        | 92.0    | 92.5      | 92.5      | 93.6      | 93.6      | 96.9      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 425

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
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               | 14.5                        | 34.6    | 35.2    | 35.2    | 35.9    | 35.9        | 36.7    | 36.7        | 36.7        | 37.5    | 37.8      | 37.8      | 38.8      | 38.9      | 40.3      | 41.3    |
| GE 20000              | 14.7                        | 35.6    | 36.2    | 36.2    | 36.9    | 36.9        | 37.6    | 37.7        | 37.7        | 38.5    | 38.7      | 38.8      | 39.8      | 39.9      | 41.2      | 42.3    |
| GE 18000              | 14.8                        | 35.8    | 36.4    | 36.4    | 37.1    | 37.1        | 37.9    | 37.9        | 37.9        | 38.7    | 38.9      | 39.0      | 40.0      | 40.1      | 41.5      | 42.5    |
| GE 16000              | 14.8                        | 35.8    | 36.4    | 36.4    | 37.1    | 37.1        | 37.9    | 37.9        | 37.9        | 38.7    | 38.9      | 39.0      | 40.0      | 40.1      | 41.5      | 42.5    |
| GE 14000              | 14.8                        | 36.0    | 36.6    | 36.6    | 37.3    | 37.3        | 38.1    | 38.1        | 38.1        | 38.9    | 39.1      | 39.2      | 40.2      | 40.3      | 41.6      | 42.7    |
| GE 12000              | 14.8                        | 36.0    | 36.6    | 36.6    | 37.3    | 37.3        | 38.1    | 38.1        | 38.1        | 38.9    | 39.1      | 39.2      | 40.2      | 40.3      | 41.6      | 42.7    |
| GE 10000              | 15.4                        | 37.1    | 37.7    | 37.7    | 38.4    | 38.4        | 39.1    | 39.2        | 39.2        | 40.0    | 40.2      | 40.3      | 41.3      | 41.4      | 42.7      | 43.8    |
| GE 9000               | 15.4                        | 37.1    | 37.7    | 37.7    | 38.4    | 38.4        | 39.1    | 39.2        | 39.2        | 40.0    | 40.2      | 40.3      | 41.3      | 41.4      | 42.7      | 43.8    |
| GE 8000               | 15.7                        | 37.8    | 38.4    | 38.4    | 39.1    | 39.1        | 39.8    | 39.9        | 39.9        | 40.7    | 40.9      | 41.0      | 42.0      | 42.1      | 43.4      | 44.5    |
| GE 7000               | 16.1                        | 38.6    | 39.3    | 39.3    | 40.0    | 40.0        | 40.7    | 40.8        | 40.8        | 41.6    | 41.8      | 41.9      | 43.0      | 43.1      | 44.4      | 45.5    |
| GE 6000               | 16.1                        | 39.0    | 39.7    | 39.7    | 40.3    | 40.3        | 41.1    | 41.2        | 41.2        | 41.9    | 42.2      | 42.2      | 43.3      | 43.4      | 44.8      | 45.9    |
| GE 5000               | 16.6                        | 40.8    | 41.5    | 41.5    | 42.2    | 42.2        | 43.0    | 43.1        | 43.1        | 43.8    | 44.1      | 44.1      | 45.2      | 45.3      | 46.7      | 47.8    |
| GE 4500               | 16.6                        | 40.9    | 41.6    | 41.6    | 42.2    | 42.2        | 43.1    | 43.1        | 43.1        | 43.9    | 44.1      | 44.2      | 45.3      | 45.4      | 46.8      | 47.8    |
| GE 4000               | 17.0                        | 41.9    | 42.6    | 42.6    | 43.2    | 43.2        | 44.1    | 44.1        | 44.1        | 44.9    | 45.2      | 45.2      | 46.3      | 46.4      | 47.8      | 48.9    |
| GE 3500               | 17.0                        | 42.1    | 42.8    | 42.8    | 43.5    | 43.5        | 44.3    | 44.4        | 44.4        | 45.2    | 45.4      | 45.5      | 46.5      | 46.7      | 48.0      | 49.1    |
| GE 3000               | 17.2                        | 43.4    | 44.1    | 44.1    | 44.9    | 44.9        | 45.7    | 45.8        | 45.8        | 46.6    | 46.9      | 47.0      | 48.0      | 48.1      | 49.5      | 50.6    |
| GE 2500               | 19.0                        | 47.0    | 47.7    | 47.7    | 48.6    | 48.6        | 49.5    | 49.6        | 49.6        | 50.5    | 50.8      | 50.8      | 51.9      | 52.0      | 53.4      | 54.5    |
| GE 2000               | 19.4                        | 53.0    | 53.9    | 53.9    | 55.0    | 55.0        | 55.9    | 56.0        | 56.0        | 56.9    | 57.2      | 57.3      | 58.4      | 58.5      | 59.9      | 61.0    |
| GE 1800               | 19.4                        | 53.1    | 53.9    | 53.9    | 55.0    | 55.0        | 56.0    | 56.1        | 56.1        | 57.0    | 57.3      | 57.4      | 58.5      | 58.7      | 60.0      | 61.1    |
| GE 1500               | 20.5                        | 56.8    | 57.6    | 57.6    | 58.9    | 58.9        | 59.9    | 60.0        | 60.0        | 60.9    | 61.2      | 61.3      | 62.5      | 62.6      | 64.0      | 65.1    |
| GE 1200               | 26.3                        | 67.4    | 68.5    | 68.5    | 70.7    | 70.7        | 72.3    | 72.5        | 72.5        | 74.0    | 74.3      | 74.4      | 75.9      | 76.0      | 77.8      | 79.1    |
| GE 1000               | 29.0                        | 76.1    | 77.9    | 77.9    | 80.7    | 80.7        | 82.9    | 83.2        | 83.2        | 85.2    | 85.5      | 85.7      | 87.5      | 87.6      | 89.5      | 91.3    |
| GE 900                | 29.0                        | 76.1    | 78.0    | 78.0    | 80.8    | 80.8        | 83.0    | 83.3        | 83.3        | 85.4    | 85.7      | 85.8      | 87.7      | 87.8      | 89.7      | 91.5    |
| GE 800                | 29.4                        | 76.7    | 78.7    | 78.7    | 81.5    | 81.5        | 83.9    | 84.2        | 84.2        | 86.4    | 86.7      | 86.8      | 88.9      | 89.1      | 91.2      | 93.0    |
| GE 700                | 30.2                        | 78.4    | 80.4    | 80.4    | 83.3    | 83.3        | 85.7    | 86.0        | 86.0        | 88.2    | 88.5      | 88.6      | 90.9      | 91.0      | 93.3      | 95.1    |
| GE 600                | 30.2                        | 78.6    | 80.6    | 80.6    | 83.5    | 83.5        | 85.9    | 86.2        | 86.2        | 88.5    | 88.8      | 88.9      | 91.2      | 91.3      | 93.5      | 95.3    |
| GE 500                | 30.3                        | 78.9    | 80.9    | 80.9    | 83.9    | 83.9        | 86.3    | 86.6        | 86.6        | 88.9    | 89.2      | 89.3      | 91.6      | 91.7      | 94.1      | 95.9    |
| GE 400                | 30.8                        | 79.8    | 81.8    | 81.8    | 84.9    | 84.9        | 87.3    | 87.7        | 87.7        | 90.0    | 90.4      | 90.5      | 92.9      | 93.0      | 95.6      | 97.4    |
| GE 300                | 30.9                        | 79.9    | 81.9    | 81.9    | 84.9    | 84.9        | 87.4    | 87.8        | 87.8        | 90.1    | 90.5      | 90.6      | 93.1      | 93.2      | 95.9      | 97.7    |
| GE 200                | 30.9                        | 80.0    | 82.0    | 82.0    | 85.1    | 85.1        | 87.6    | 87.9        | 87.9        | 90.3    | 90.7      | 90.8      | 93.4      | 93.5      | 96.4      | 98.3    |
| GE 100                | 30.9                        | 80.0    | 82.0    | 82.0    | 85.1    | 85.1        | 87.6    | 87.9        | 87.9        | 90.3    | 90.7      | 90.8      | 93.4      | 93.5      | 97.2      | 99.8    |
| GE 000                | 30.9                        | 80.0    | 82.0    | 82.0    | 85.1    | 85.1        | 87.6    | 87.9        | 87.9        | 90.3    | 90.7      | 90.8      | 93.4      | 93.5      | 97.3      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 1674



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
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               | 15.2                        | 31.4    | 31.6    | 31.6    | 31.9    | 31.9        | 31.9    | 31.9        | 31.9        | 32.3    | 32.6      | 32.6      | 33.7      | 33.9      | 35.6      | 35.8    |
| GE 20000              | 15.5                        | 31.9    | 32.1    | 32.1    | 32.3    | 32.3        | 32.3    | 32.3        | 32.3        | 33.0    | 33.3      | 33.3      | 34.6      | 34.9      | 36.5      | 36.7    |
| GE 18000              | 15.5                        | 32.1    | 32.3    | 32.3    | 32.6    | 32.6        | 32.6    | 32.6        | 32.6        | 33.3    | 33.5      | 33.5      | 34.9      | 35.1      | 36.7      | 37.0    |
| GE 16000              | 15.7                        | 32.3    | 32.6    | 32.6    | 32.8    | 32.8        | 32.8    | 32.8        | 32.8        | 33.5    | 33.7      | 33.7      | 35.1      | 35.3      | 37.0      | 37.2    |
| GE 14000              | 15.7                        | 32.6    | 32.8    | 32.8    | 33.0    | 33.0        | 33.0    | 33.0        | 33.0        | 33.7    | 33.9      | 33.9      | 35.3      | 35.6      | 37.2      | 37.4    |
| GE 12000              | 15.7                        | 32.8    | 33.0    | 33.0    | 33.3    | 33.3        | 33.3    | 33.3        | 33.3        | 33.9    | 34.2      | 34.2      | 35.6      | 35.8      | 37.4      | 37.6    |
| GE 10000              | 17.3                        | 34.9    | 35.1    | 35.1    | 35.3    | 35.3        | 35.3    | 35.3        | 35.3        | 36.0    | 36.3      | 36.3      | 37.6      | 37.9      | 39.5      | 39.7    |
| GE 9000               | 17.3                        | 35.6    | 35.8    | 35.8    | 36.0    | 36.0        | 36.0    | 36.0        | 36.0        | 36.7    | 37.0      | 37.0      | 38.3      | 38.6      | 40.2      | 40.4    |
| GE 8000               | 17.6                        | 36.7    | 37.0    | 37.0    | 37.2    | 37.2        | 37.2    | 37.2        | 37.2        | 37.9    | 38.1      | 38.1      | 39.5      | 39.7      | 41.3      | 41.6    |
| GE 7000               | 18.7                        | 38.8    | 39.0    | 39.0    | 39.3    | 39.3        | 39.3    | 39.3        | 39.3        | 40.0    | 40.2      | 40.2      | 41.6      | 41.8      | 43.4      | 43.6    |
| GE 6000               | 18.7                        | 39.3    | 39.5    | 39.5    | 39.7    | 39.7        | 39.7    | 39.7        | 39.7        | 40.4    | 40.6      | 40.6      | 42.0      | 42.3      | 43.9      | 44.1    |
| GE 5000               | 19.6                        | 42.3    | 42.5    | 42.5    | 42.7    | 42.7        | 42.7    | 42.7        | 42.7        | 43.4    | 43.6      | 43.6      | 45.0      | 45.3      | 46.9      | 47.1    |
| GE 4500               | 19.6                        | 42.3    | 42.5    | 42.5    | 42.7    | 42.7        | 42.7    | 42.7        | 42.7        | 43.4    | 43.6      | 43.6      | 45.0      | 45.3      | 46.9      | 47.1    |
| GE 4000               | 20.8                        | 43.6    | 43.9    | 43.9    | 44.1    | 44.1        | 44.1    | 44.1        | 44.1        | 45.0    | 45.3      | 45.3      | 46.7      | 46.9      | 48.5      | 48.7    |
| GE 3500               | 20.8                        | 43.6    | 43.9    | 43.9    | 44.1    | 44.1        | 44.1    | 44.1        | 44.1        | 45.0    | 45.3      | 45.3      | 46.7      | 46.9      | 48.5      | 48.7    |
| GE 3000               | 21.2                        | 45.3    | 45.5    | 45.5    | 45.7    | 45.7        | 46.0    | 46.0        | 46.0        | 46.9    | 47.1      | 47.1      | 48.5      | 48.7      | 50.3      | 50.6    |
| GE 2500               | 24.5                        | 49.7    | 49.9    | 49.9    | 50.1    | 50.1        | 50.3    | 50.3        | 50.3        | 51.3    | 51.5      | 51.5      | 52.9      | 53.1      | 54.7      | 55.0    |
| GE 2000               | 25.6                        | 56.1    | 56.6    | 56.6    | 56.8    | 56.8        | 57.0    | 57.0        | 57.0        | 58.0    | 58.2      | 58.2      | 59.6      | 59.8      | 61.4      | 61.7    |
| GE 1800               | 25.6                        | 56.1    | 56.6    | 56.6    | 56.8    | 56.8        | 57.0    | 57.0        | 57.0        | 58.0    | 58.2      | 58.2      | 59.6      | 59.8      | 61.4      | 61.7    |
| GE 1500               | 26.6                        | 58.2    | 58.7    | 58.7    | 59.4    | 59.4        | 59.6    | 59.6        | 59.6        | 60.5    | 60.7      | 60.7      | 62.1      | 62.3      | 64.0      | 64.4    |
| GE 1200               | 32.6                        | 69.7    | 70.4    | 70.4    | 71.6    | 71.6        | 72.1    | 72.1        | 72.1        | 73.2    | 73.7      | 73.7      | 75.1      | 75.3      | 77.1      | 77.6    |
| GE 1000               | 35.6                        | 77.6    | 78.5    | 78.5    | 80.4    | 80.4        | 82.0    | 82.0        | 82.0        | 83.6    | 84.1      | 84.1      | 85.7      | 85.9      | 87.8      | 88.2    |
| GE 900                | 35.6                        | 77.6    | 78.5    | 78.5    | 80.4    | 80.4        | 82.0    | 82.0        | 82.0        | 83.6    | 84.1      | 84.1      | 85.7      | 85.9      | 87.8      | 88.2    |
| GE 800                | 36.3                        | 79.2    | 80.4    | 80.4    | 82.4    | 82.4        | 84.1    | 84.1        | 84.1        | 86.1    | 86.6      | 86.6      | 88.2      | 88.5      | 90.3      | 90.8    |
| GE 700                | 37.0                        | 80.1    | 81.3    | 81.3    | 84.1    | 84.1        | 85.7    | 85.7        | 85.7        | 87.8    | 88.2      | 88.2      | 90.1      | 90.3      | 92.4      | 92.8    |
| GE 600                | 37.0                        | 80.4    | 81.5    | 81.5    | 84.3    | 84.3        | 85.9    | 85.9        | 85.9        | 88.0    | 88.5      | 88.5      | 90.3      | 90.5      | 92.8      | 93.3    |
| GE 500                | 37.0                        | 81.1    | 82.2    | 82.2    | 85.2    | 85.2        | 86.8    | 86.8        | 86.8        | 89.1    | 89.6      | 89.6      | 91.5      | 91.7      | 94.0      | 94.5    |
| GE 400                | 37.0                        | 81.5    | 82.7    | 82.7    | 85.7    | 85.7        | 87.3    | 87.3        | 87.3        | 89.6    | 90.1      | 90.1      | 92.1      | 92.4      | 94.7      | 95.2    |
| GE 300                | 37.0                        | 81.8    | 82.9    | 82.9    | 85.9    | 85.9        | 87.5    | 87.5        | 87.5        | 89.8    | 90.3      | 90.3      | 92.4      | 92.6      | 95.4      | 95.8    |
| GE 200                | 37.0                        | 81.8    | 82.9    | 82.9    | 85.9    | 85.9        | 87.5    | 87.5        | 87.5        | 89.8    | 90.3      | 90.3      | 92.8      | 93.1      | 96.1      | 97.7    |
| GE 100                | 37.0                        | 81.8    | 82.9    | 82.9    | 85.9    | 85.9        | 87.5    | 87.5        | 87.5        | 89.8    | 90.3      | 90.3      | 92.8      | 93.1      | 97.0      | 99.8    |
| GE 000                | 37.0                        | 81.8    | 82.9    | 82.9    | 85.9    | 85.9        | 87.5    | 87.5        | 87.5        | 89.8    | 90.3      | 90.3      | 92.8      | 93.1      | 97.0      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 433

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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               | 13.0                        | 27.2    | 27.2    | 27.2    | 27.4    | 27.4        | 27.9    | 27.9        | 27.9        | 27.9    | 27.9      | 27.9      | 28.4      | 28.4      | 29.4      | 29.9    |
| GE 20000              | 13.2                        | 28.9    | 28.9    | 28.9    | 29.2    | 29.2        | 29.7    | 29.7        | 29.7        | 29.7    | 29.7      | 29.7      | 30.2      | 30.2      | 31.2      | 31.7    |
| GE 18000              | 13.2                        | 28.9    | 28.9    | 28.9    | 29.2    | 29.2        | 29.7    | 29.7        | 29.7        | 29.7    | 29.7      | 29.7      | 30.2      | 30.2      | 31.2      | 31.7    |
| GE 16000              | 13.2                        | 28.9    | 28.9    | 28.9    | 29.2    | 29.2        | 29.7    | 29.7        | 29.7        | 29.7    | 29.7      | 29.7      | 30.2      | 30.2      | 31.2      | 31.7    |
| GE 14000              | 13.2                        | 29.4    | 29.4    | 29.4    | 29.7    | 29.7        | 30.2    | 30.2        | 30.2        | 30.2    | 30.2      | 30.2      | 30.7      | 30.7      | 31.7      | 32.2    |
| GE 12000              | 13.2                        | 29.4    | 29.4    | 29.4    | 29.7    | 29.7        | 30.2    | 30.2        | 30.2        | 30.2    | 30.2      | 30.2      | 30.7      | 30.7      | 31.7      | 32.2    |
| GE 10000              | 14.2                        | 31.7    | 31.7    | 31.7    | 31.9    | 31.9        | 32.4    | 32.4        | 32.4        | 32.4    | 32.4      | 32.4      | 32.9      | 32.9      | 33.9      | 34.7    |
| GE 9000               | 14.2                        | 31.9    | 31.9    | 31.9    | 32.2    | 32.2        | 32.7    | 32.7        | 32.7        | 32.7    | 32.7      | 32.7      | 33.2      | 33.2      | 34.2      | 34.9    |
| GE 8000               | 14.5                        | 32.2    | 32.2    | 32.2    | 32.4    | 32.4        | 32.9    | 32.9        | 32.9        | 32.9    | 32.9      | 32.9      | 33.4      | 33.4      | 34.4      | 35.2    |
| GE 7000               | 15.2                        | 33.4    | 33.7    | 33.7    | 33.9    | 33.9        | 34.4    | 34.4        | 34.4        | 34.4    | 34.4      | 34.4      | 34.9      | 34.9      | 35.9      | 36.7    |
| GE 6000               | 15.5                        | 34.4    | 34.7    | 34.7    | 34.9    | 34.9        | 35.4    | 35.4        | 35.4        | 35.4    | 35.4      | 35.4      | 35.9      | 35.9      | 36.9      | 37.7    |
| GE 5000               | 17.2                        | 37.7    | 37.9    | 37.9    | 38.2    | 38.2        | 38.7    | 38.7        | 38.7        | 38.7    | 38.7      | 38.7      | 39.2      | 39.2      | 40.1      | 40.9    |
| GE 4500               | 17.2                        | 37.7    | 37.9    | 37.9    | 38.2    | 38.2        | 38.7    | 38.7        | 38.7        | 38.7    | 38.7      | 38.7      | 39.2      | 39.2      | 40.1      | 40.9    |
| GE 4000               | 19.2                        | 40.4    | 40.6    | 40.6    | 40.9    | 40.9        | 41.4    | 41.4        | 41.4        | 41.4    | 41.4      | 41.4      | 41.9      | 41.9      | 42.9      | 43.6    |
| GE 3500               | 19.2                        | 40.4    | 40.6    | 40.6    | 40.9    | 40.9        | 41.4    | 41.4        | 41.4        | 41.4    | 41.4      | 41.4      | 41.9      | 41.9      | 42.9      | 43.6    |
| GE 3000               | 19.2                        | 41.1    | 41.4    | 41.4    | 41.6    | 41.6        | 42.1    | 42.1        | 42.1        | 42.1    | 42.1      | 42.1      | 42.6      | 42.6      | 43.6      | 44.4    |
| GE 2500               | 21.4                        | 44.1    | 44.4    | 44.4    | 44.6    | 44.6        | 45.4    | 45.4        | 45.4        | 45.4    | 45.4      | 45.4      | 45.9      | 45.9      | 46.9      | 47.6    |
| GE 2000               | 22.2                        | 50.6    | 50.9    | 50.9    | 51.4    | 51.4        | 52.1    | 52.1        | 52.1        | 52.1    | 52.1      | 52.1      | 52.9      | 52.9      | 53.9      | 54.6    |
| GE 1800               | 22.2                        | 50.6    | 50.9    | 50.9    | 51.4    | 51.4        | 52.1    | 52.1        | 52.1        | 52.1    | 52.1      | 52.1      | 52.9      | 52.9      | 53.9      | 54.6    |
| GE 1500               | 23.9                        | 55.6    | 55.9    | 55.9    | 56.4    | 56.4        | 57.1    | 57.1        | 57.1        | 57.1    | 57.1      | 57.1      | 57.9      | 57.9      | 58.9      | 59.6    |
| GE 1200               | 30.7                        | 67.3    | 67.8    | 67.8    | 69.1    | 69.1        | 70.3    | 70.3        | 70.3        | 70.3    | 70.3      | 70.3      | 71.1      | 71.1      | 72.1      | 72.8    |
| GE 1000               | 35.4                        | 78.3    | 79.1    | 79.1    | 80.3    | 80.3        | 81.8    | 81.8        | 81.8        | 82.0    | 82.0      | 82.0      | 82.8      | 82.8      | 83.8      | 84.5    |
| GE 900                | 35.4                        | 78.3    | 79.1    | 79.1    | 80.3    | 80.3        | 81.8    | 81.8        | 81.8        | 82.0    | 82.0      | 82.0      | 82.8      | 82.8      | 83.8      | 84.5    |
| GE 800                | 35.7                        | 79.3    | 80.3    | 80.3    | 81.5    | 81.5        | 83.3    | 83.3        | 83.3        | 83.8    | 84.0      | 84.0      | 85.0      | 85.0      | 86.0      | 87.0    |
| GE 700                | 35.9                        | 80.5    | 81.5    | 81.5    | 84.0    | 84.0        | 86.3    | 86.3        | 86.3        | 86.8    | 87.0      | 87.0      | 88.3      | 88.3      | 89.3      | 90.3    |
| GE 600                | 35.9                        | 80.8    | 81.8    | 81.8    | 84.5    | 84.5        | 86.8    | 86.8        | 86.8        | 87.3    | 87.5      | 87.5      | 88.8      | 88.8      | 89.8      | 90.8    |
| GE 500                | 36.2                        | 82.5    | 83.8    | 83.8    | 86.5    | 86.5        | 89.0    | 89.0        | 89.0        | 89.5    | 89.8      | 89.8      | 91.3      | 91.3      | 92.3      | 93.3    |
| GE 400                | 36.2                        | 83.5    | 85.0    | 85.0    | 88.3    | 88.3        | 91.3    | 91.3        | 91.3        | 92.3    | 92.5      | 92.5      | 94.0      | 94.0      | 95.0      | 96.0    |
| GE 300                | 36.2                        | 83.5    | 85.0    | 85.0    | 88.5    | 88.5        | 91.5    | 91.5        | 91.5        | 92.8    | 93.0      | 93.0      | 94.8      | 95.0      | 96.0      | 97.5    |
| GE 200                | 36.2                        | 83.5    | 85.0    | 85.0    | 88.5    | 88.5        | 91.5    | 91.5        | 91.5        | 92.8    | 93.0      | 93.0      | 95.5      | 95.8      | 96.8      | 98.8    |
| GE 100                | 36.2                        | 83.5    | 85.0    | 85.0    | 88.5    | 88.5        | 91.5    | 91.5        | 91.5        | 92.8    | 93.0      | 93.0      | 95.5      | 95.8      | 97.3      | 100.0   |
| GE 000                | 36.2                        | 83.5    | 85.0    | 85.0    | 88.5    | 88.5        | 91.5    | 91.5        | 91.5        | 92.8    | 93.0      | 93.0      | 95.5      | 95.8      | 97.3      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 401

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
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               | 15.5                        | 35.9    | 36.2    | 36.2    | 36.4    | 36.4        | 36.7    | 36.7        | 36.7        | 36.9    | 36.9      | 36.9      | 37.2      | 37.2      | 37.2      | 37.2    |
| GE 20000              | 16.0                        | 37.2    | 37.4    | 37.4    | 37.7    | 37.7        | 37.9    | 37.9        | 37.9        | 38.2    | 38.2      | 38.2      | 38.4      | 38.4      | 38.4      | 38.4    |
| GE 18000              | 16.0                        | 37.2    | 37.4    | 37.4    | 37.7    | 37.7        | 37.9    | 37.9        | 37.9        | 38.2    | 38.2      | 38.2      | 38.4      | 38.4      | 38.4      | 38.4    |
| GE 16000              | 16.2                        | 37.4    | 37.7    | 37.7    | 37.9    | 37.9        | 38.2    | 38.2        | 38.2        | 38.4    | 38.4      | 38.4      | 38.7      | 38.7      | 38.7      | 38.7    |
| GE 14000              | 16.2                        | 37.7    | 37.9    | 37.9    | 38.2    | 38.2        | 38.4    | 38.4        | 38.4        | 38.7    | 38.7      | 38.7      | 38.9      | 38.9      | 38.9      | 38.9    |
| GE 12000              | 16.2                        | 37.7    | 37.9    | 37.9    | 38.2    | 38.2        | 38.4    | 38.4        | 38.4        | 38.7    | 38.7      | 38.7      | 38.9      | 38.9      | 38.9      | 38.9    |
| GE 10000              | 17.7                        | 39.7    | 39.9    | 39.9    | 40.1    | 40.1        | 40.4    | 40.4        | 40.4        | 40.6    | 40.6      | 40.6      | 40.9      | 40.9      | 40.9      | 40.9    |
| GE 9000               | 17.7                        | 39.7    | 39.9    | 39.9    | 40.1    | 40.1        | 40.4    | 40.4        | 40.4        | 40.6    | 40.6      | 40.6      | 40.9      | 40.9      | 40.9      | 40.9    |
| GE 8000               | 17.7                        | 39.9    | 40.1    | 40.1    | 40.4    | 40.4        | 40.6    | 40.6        | 40.6        | 40.9    | 40.9      | 40.9      | 41.1      | 41.1      | 41.1      | 41.1    |
| GE 7000               | 19.2                        | 42.4    | 42.6    | 42.6    | 42.9    | 42.9        | 43.1    | 43.1        | 43.1        | 43.4    | 43.4      | 43.4      | 43.6      | 43.6      | 43.6      | 43.6    |
| GE 6000               | 19.5                        | 43.1    | 43.4    | 43.4    | 43.6    | 43.6        | 43.9    | 43.9        | 43.9        | 44.1    | 44.1      | 44.1      | 44.4      | 44.4      | 44.4      | 44.4    |
| GE 5000               | 20.7                        | 45.9    | 46.1    | 46.1    | 46.4    | 46.4        | 46.6    | 46.6        | 46.6        | 46.9    | 47.1      | 47.1      | 47.4      | 47.4      | 47.4      | 47.4    |
| GE 4500               | 20.7                        | 45.9    | 46.1    | 46.1    | 46.4    | 46.4        | 46.6    | 46.6        | 46.6        | 46.9    | 47.1      | 47.1      | 47.4      | 47.4      | 47.4      | 47.4    |
| GE 4000               | 21.2                        | 46.9    | 47.1    | 47.1    | 47.4    | 47.4        | 47.6    | 47.6        | 47.6        | 47.9    | 48.1      | 48.1      | 48.4      | 48.4      | 48.4      | 48.4    |
| GE 3500               | 21.2                        | 46.9    | 47.1    | 47.1    | 47.4    | 47.4        | 47.6    | 47.6        | 47.6        | 47.9    | 48.1      | 48.1      | 48.4      | 48.4      | 48.4      | 48.4    |
| GE 3000               | 22.9                        | 50.9    | 51.1    | 51.1    | 51.4    | 51.4        | 51.6    | 51.6        | 51.6        | 52.1    | 52.4      | 52.4      | 52.6      | 52.6      | 52.6      | 52.6    |
| GE 2500               | 26.4                        | 55.6    | 55.9    | 55.9    | 56.1    | 56.1        | 56.4    | 56.4        | 56.4        | 56.9    | 57.1      | 57.1      | 57.4      | 57.4      | 57.4      | 57.4    |
| GE 2000               | 27.7                        | 61.8    | 62.3    | 62.3    | 62.8    | 62.8        | 63.1    | 63.1        | 63.1        | 63.6    | 63.8      | 63.8      | 64.1      | 64.1      | 64.1      | 64.1    |
| GE 1800               | 27.7                        | 61.8    | 62.3    | 62.3    | 62.8    | 62.8        | 63.1    | 63.1        | 63.1        | 63.6    | 63.8      | 63.8      | 64.1      | 64.1      | 64.1      | 64.1    |
| GE 1500               | 28.9                        | 65.1    | 65.8    | 65.8    | 66.3    | 66.3        | 66.6    | 66.6        | 66.6        | 67.1    | 67.3      | 67.3      | 67.6      | 67.6      | 67.6      | 67.6    |
| GE 1200               | 35.4                        | 77.1    | 78.1    | 78.1    | 79.3    | 79.3        | 79.6    | 79.6        | 79.6        | 80.3    | 80.5      | 80.5      | 80.8      | 80.8      | 80.8      | 80.8    |
| GE 1000               | 41.6                        | 87.0    | 89.0    | 89.0    | 90.5    | 90.5        | 90.8    | 90.8        | 90.8        | 91.8    | 92.0      | 92.0      | 92.3      | 92.3      | 92.3      | 92.3    |
| GE 900                | 41.6                        | 87.3    | 89.3    | 89.3    | 90.8    | 90.8        | 91.0    | 91.0        | 91.0        | 92.0    | 92.3      | 92.3      | 92.5      | 92.5      | 92.5      | 92.5    |
| GE 800                | 41.9                        | 87.5    | 89.8    | 89.8    | 91.3    | 91.3        | 91.5    | 91.5        | 91.5        | 92.8    | 93.0      | 93.0      | 93.3      | 93.3      | 93.3      | 93.3    |
| GE 700                | 42.1                        | 88.3    | 91.0    | 91.0    | 93.3    | 93.3        | 93.8    | 93.8        | 93.8        | 95.0    | 95.3      | 95.3      | 95.5      | 95.5      | 95.5      | 95.5    |
| GE 600                | 42.1                        | 88.8    | 91.5    | 91.5    | 93.8    | 93.8        | 94.3    | 94.3        | 94.3        | 95.5    | 95.8      | 95.8      | 96.0      | 96.0      | 96.0      | 96.0    |
| GE 500                | 42.4                        | 89.3    | 92.3    | 92.3    | 94.5    | 94.5        | 95.3    | 95.3        | 95.3        | 96.5    | 96.8      | 96.8      | 97.0      | 97.0      | 97.0      | 97.0    |
| GE 400                | 42.9                        | 90.3    | 93.3    | 93.3    | 96.3    | 96.3        | 97.0    | 97.0        | 97.0        | 98.5    | 98.8      | 98.8      | 99.0      | 99.0      | 99.0      | 99.0    |
| GE 300                | 42.9                        | 90.3    | 93.3    | 93.3    | 96.3    | 96.3        | 97.0    | 97.0        | 97.0        | 98.5    | 98.8      | 98.8      | 99.0      | 99.0      | 99.0      | 99.0    |
| GE 200                | 42.9                        | 90.3    | 93.3    | 93.3    | 96.3    | 96.3        | 97.0    | 97.0        | 97.0        | 98.5    | 98.8      | 98.8      | 99.0      | 99.0      | 99.0      | 99.0    |
| GE 100                | 42.9                        | 90.5    | 93.5    | 93.5    | 96.5    | 96.5        | 97.3    | 97.3        | 97.3        | 98.8    | 99.0      | 99.0      | 99.5      | 99.5      | 100.0     | 100.0   |
| GE 000                | 42.9                        | 90.5    | 93.5    | 93.5    | 96.5    | 96.5        | 97.3    | 97.3        | 97.3        | 98.8    | 99.0      | 99.0      | 99.5      | 99.5      | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 401

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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               | 20.0                        | 43.4    | 43.4    | 43.4    | 43.4    | 43.4        | 43.7    | 43.7        | 43.7        | 43.7    | 43.7      | 43.7      | 44.1      | 44.1      | 44.1      | 44.1    |
| GE 20000              | 20.2                        | 44.4    | 44.4    | 44.4    | 44.4    | 44.4        | 44.6    | 44.6        | 44.6        | 44.6    | 44.6      | 44.6      | 45.1      | 45.1      | 45.1      | 45.1    |
| GE 18000              | 20.4                        | 44.6    | 44.6    | 44.6    | 44.6    | 44.6        | 44.8    | 44.8        | 44.8        | 44.8    | 44.8      | 44.8      | 45.3      | 45.3      | 45.3      | 45.3    |
| GE 16000              | 20.4                        | 44.6    | 44.6    | 44.6    | 44.6    | 44.6        | 44.8    | 44.8        | 44.8        | 44.8    | 44.8      | 44.8      | 45.3      | 45.3      | 45.3      | 45.3    |
| GE 14000              | 20.4                        | 44.6    | 44.6    | 44.6    | 44.6    | 44.6        | 44.8    | 44.8        | 44.8        | 44.8    | 44.8      | 44.8      | 45.3      | 45.3      | 45.3      | 45.3    |
| GE 12000              | 20.4                        | 44.8    | 44.8    | 44.8    | 44.8    | 44.8        | 45.1    | 45.1        | 45.1        | 45.1    | 45.1      | 45.1      | 45.5      | 45.5      | 45.5      | 45.5    |
| GE 10000              | 21.6                        | 46.7    | 46.7    | 46.7    | 46.7    | 46.7        | 46.9    | 46.9        | 46.9        | 46.9    | 46.9      | 46.9      | 47.4      | 47.4      | 47.4      | 47.4    |
| GE 9000               | 21.6                        | 46.9    | 46.9    | 46.9    | 46.9    | 46.9        | 47.2    | 47.2        | 47.2        | 47.2    | 47.2      | 47.2      | 47.7      | 47.7      | 47.7      | 47.7    |
| GE 8000               | 21.8                        | 47.9    | 47.9    | 47.9    | 47.9    | 47.9        | 48.1    | 48.1        | 48.1        | 48.1    | 48.1      | 48.1      | 48.6      | 48.6      | 48.6      | 48.6    |
| GE 7000               | 23.2                        | 50.0    | 50.0    | 50.0    | 50.0    | 50.0        | 50.2    | 50.2        | 50.2        | 50.2    | 50.2      | 50.2      | 50.7      | 50.7      | 50.7      | 50.7    |
| GE 6000               | 23.5                        | 50.2    | 50.2    | 50.2    | 50.2    | 50.2        | 50.5    | 50.5        | 50.5        | 50.5    | 50.5      | 50.5      | 50.9      | 50.9      | 50.9      | 50.9    |
| GE 5000               | 25.1                        | 53.8    | 53.8    | 53.8    | 53.8    | 53.8        | 54.0    | 54.0        | 54.0        | 54.0    | 54.0      | 54.0      | 54.5      | 54.5      | 54.5      | 54.5    |
| GE 4500               | 25.1                        | 53.8    | 53.8    | 53.8    | 53.8    | 53.8        | 54.0    | 54.0        | 54.0        | 54.0    | 54.0      | 54.0      | 54.5      | 54.5      | 54.5      | 54.5    |
| GE 4000               | 25.6                        | 55.4    | 55.4    | 55.4    | 55.4    | 55.4        | 55.6    | 55.6        | 55.6        | 55.6    | 55.6      | 55.6      | 56.1      | 56.1      | 56.1      | 56.1    |
| GE 3500               | 25.6                        | 55.4    | 55.4    | 55.4    | 55.4    | 55.4        | 55.6    | 55.6        | 55.6        | 55.6    | 55.6      | 55.6      | 56.1      | 56.1      | 56.1      | 56.1    |
| GE 3000               | 26.5                        | 57.7    | 57.7    | 57.7    | 57.7    | 57.7        | 58.0    | 58.0        | 58.0        | 58.0    | 58.0      | 58.0      | 58.5      | 58.5      | 58.5      | 58.5    |
| GE 2500               | 29.6                        | 61.7    | 61.7    | 61.7    | 62.0    | 62.0        | 62.2    | 62.2        | 62.2        | 62.2    | 62.2      | 62.2      | 62.7      | 62.7      | 62.7      | 62.7    |
| GE 2000               | 30.5                        | 67.4    | 67.6    | 67.6    | 67.8    | 67.8        | 68.1    | 68.1        | 68.1        | 68.1    | 68.1      | 68.1      | 68.5      | 68.5      | 68.5      | 68.5    |
| GE 1800               | 30.5                        | 67.4    | 67.6    | 67.6    | 67.8    | 67.8        | 68.1    | 68.1        | 68.1        | 68.1    | 68.1      | 68.1      | 68.5      | 68.5      | 68.5      | 68.5    |
| GE 1500               | 31.7                        | 69.5    | 69.7    | 69.7    | 70.0    | 70.0        | 70.2    | 70.2        | 70.2        | 70.2    | 70.2      | 70.2      | 70.7      | 70.7      | 70.7      | 70.7    |
| GE 1200               | 38.7                        | 80.8    | 81.0    | 81.0    | 81.5    | 81.5        | 81.9    | 81.9        | 81.9        | 81.9    | 81.9      | 81.9      | 82.6      | 82.6      | 82.6      | 82.6    |
| GE 1000               | 43.9                        | 89.4    | 90.6    | 90.6    | 91.3    | 91.3        | 91.8    | 91.8        | 91.8        | 91.8    | 91.8      | 91.8      | 92.5      | 92.5      | 92.7      | 92.7    |
| GE 900                | 43.9                        | 89.4    | 90.6    | 90.6    | 91.3    | 91.3        | 91.8    | 91.8        | 91.8        | 91.8    | 91.8      | 91.8      | 92.5      | 92.5      | 92.7      | 92.7    |
| GE 800                | 44.1                        | 90.4    | 91.8    | 91.8    | 92.5    | 92.5        | 93.2    | 93.2        | 93.2        | 93.2    | 93.2      | 93.2      | 94.1      | 94.1      | 94.4      | 94.4    |
| GE 700                | 44.8                        | 91.3    | 92.7    | 92.7    | 93.9    | 93.9        | 94.6    | 94.6        | 94.6        | 94.6    | 94.6      | 94.6      | 95.5      | 95.5      | 95.8      | 95.8    |
| GE 600                | 44.8                        | 91.3    | 92.7    | 92.7    | 93.9    | 93.9        | 94.6    | 94.6        | 94.6        | 94.6    | 94.6      | 94.6      | 95.5      | 95.5      | 95.8      | 95.8    |
| GE 500                | 44.8                        | 91.3    | 92.7    | 92.7    | 93.9    | 93.9        | 94.6    | 94.6        | 94.6        | 94.6    | 94.6      | 94.6      | 95.5      | 95.5      | 95.8      | 95.8    |
| GE 400                | 44.8                        | 91.8    | 93.2    | 93.2    | 94.8    | 94.8        | 95.5    | 95.5        | 95.5        | 95.5    | 95.5      | 95.5      | 96.5      | 96.5      | 96.7      | 96.7    |
| GE 300                | 45.1                        | 92.0    | 93.4    | 93.4    | 95.1    | 95.1        | 95.8    | 95.8        | 95.8        | 95.8    | 95.8      | 95.8      | 96.9      | 96.9      | 97.4      | 97.4    |
| GE 200                | 45.5                        | 92.5    | 94.1    | 94.1    | 95.8    | 95.8        | 96.5    | 96.5        | 96.5        | 96.5    | 96.5      | 96.5      | 98.4      | 98.4      | 99.3      | 99.3    |
| GE 100                | 45.8                        | 92.7    | 94.4    | 94.4    | 96.0    | 96.0        | 96.7    | 96.7        | 96.7        | 96.7    | 96.7      | 96.7      | 98.6      | 98.6      | 100.0     | 100.0   |
| GE 000                | 45.8                        | 92.7    | 94.4    | 94.4    | 96.0    | 96.0        | 96.7    | 96.7        | 96.7        | 96.7    | 96.7      | 96.7      | 98.6      | 98.6      | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 426

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
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               | 16.0                        | 34.6    | 34.7    | 34.7    | 34.9    | 34.9        | 35.1    | 35.1        | 35.1        | 35.3    | 35.3      | 35.3      | 35.9      | 36.0      | 36.7      | 36.8    |
| GE 20000              | 16.3                        | 35.6    | 35.8    | 35.8    | 35.9    | 35.9        | 36.2    | 36.2        | 36.2        | 36.4    | 36.5      | 36.5      | 37.1      | 37.2      | 37.9      | 38.0    |
| GE 18000              | 16.3                        | 35.8    | 35.9    | 35.9    | 36.1    | 36.1        | 36.3    | 36.3        | 36.3        | 36.5    | 36.6      | 36.6      | 37.3      | 37.3      | 38.0      | 38.2    |
| GE 16000              | 16.4                        | 35.9    | 36.0    | 36.0    | 36.2    | 36.2        | 36.4    | 36.4        | 36.4        | 36.7    | 36.7      | 36.7      | 37.4      | 37.4      | 38.1      | 38.3    |
| GE 14000              | 16.4                        | 36.1    | 36.2    | 36.2    | 36.4    | 36.4        | 36.7    | 36.7        | 36.7        | 36.9    | 37.0      | 37.0      | 37.6      | 37.7      | 38.4      | 38.5    |
| GE 12000              | 16.4                        | 36.2    | 36.4    | 36.4    | 36.5    | 36.5        | 36.8    | 36.8        | 36.8        | 37.0    | 37.1      | 37.1      | 37.7      | 37.8      | 38.5      | 38.7    |
| GE 10000              | 17.8                        | 38.3    | 38.4    | 38.4    | 38.6    | 38.6        | 38.8    | 38.8        | 38.8        | 39.1    | 39.1      | 39.1      | 39.8      | 39.9      | 40.5      | 40.8    |
| GE 9000               | 17.8                        | 38.6    | 38.7    | 38.7    | 38.9    | 38.9        | 39.1    | 39.1        | 39.1        | 39.4    | 39.4      | 39.4      | 40.1      | 40.2      | 40.8      | 41.1    |
| GE 8000               | 17.9                        | 39.3    | 39.4    | 39.4    | 39.6    | 39.6        | 39.8    | 39.8        | 39.8        | 40.0    | 40.1      | 40.1      | 40.8      | 40.8      | 41.5      | 41.7    |
| GE 7000               | 19.1                        | 41.2    | 41.4    | 41.4    | 41.6    | 41.6        | 41.8    | 41.8        | 41.8        | 42.1    | 42.1      | 42.1      | 42.8      | 42.9      | 43.5      | 43.8    |
| GE 6000               | 19.3                        | 41.8    | 42.0    | 42.0    | 42.2    | 42.2        | 42.4    | 42.4        | 42.4        | 42.7    | 42.7      | 42.7      | 43.4      | 43.5      | 44.1      | 44.4    |
| GE 5000               | 20.7                        | 45.0    | 45.2    | 45.2    | 45.3    | 45.3        | 45.6    | 45.6        | 45.6        | 45.8    | 45.9      | 45.9      | 46.6      | 46.7      | 47.3      | 47.6    |
| GE 4500               | 20.7                        | 45.0    | 45.2    | 45.2    | 45.3    | 45.3        | 45.6    | 45.6        | 45.6        | 45.8    | 45.9      | 45.9      | 46.6      | 46.7      | 47.3      | 47.6    |
| GE 4000               | 21.7                        | 46.7    | 46.8    | 46.8    | 47.0    | 47.0        | 47.3    | 47.3        | 47.3        | 47.6    | 47.7      | 47.7      | 48.3      | 48.4      | 49.1      | 49.3    |
| GE 3500               | 21.7                        | 46.7    | 46.8    | 46.8    | 47.0    | 47.0        | 47.3    | 47.3        | 47.3        | 47.6    | 47.7      | 47.7      | 48.3      | 48.4      | 49.1      | 49.3    |
| GE 3000               | 22.5                        | 48.8    | 49.0    | 49.0    | 49.2    | 49.2        | 49.5    | 49.5        | 49.5        | 49.8    | 50.0      | 50.0      | 50.6      | 50.7      | 51.4      | 51.6    |
| GE 2500               | 25.5                        | 52.9    | 53.0    | 53.0    | 53.3    | 53.3        | 53.6    | 53.6        | 53.6        | 54.0    | 54.1      | 54.1      | 54.8      | 54.8      | 55.5      | 55.7    |
| GE 2000               | 26.6                        | 59.1    | 59.4    | 59.4    | 59.8    | 59.8        | 60.1    | 60.1        | 60.1        | 60.5    | 60.6      | 60.6      | 61.3      | 61.4      | 62.1      | 62.3    |
| GE 1800               | 26.6                        | 59.1    | 59.4    | 59.4    | 59.8    | 59.8        | 60.1    | 60.1        | 60.1        | 60.5    | 60.6      | 60.6      | 61.3      | 61.4      | 62.1      | 62.3    |
| GE 1500               | 27.8                        | 62.1    | 62.6    | 62.6    | 63.0    | 63.0        | 63.4    | 63.4        | 63.4        | 63.8    | 63.9      | 63.9      | 64.6      | 64.7      | 65.3      | 65.6    |
| GE 1200               | 34.4                        | 73.8    | 74.4    | 74.4    | 75.4    | 75.4        | 76.0    | 76.0        | 76.0        | 76.5    | 76.6      | 76.6      | 77.4      | 77.5      | 78.2      | 78.5    |
| GE 1000               | 39.1                        | 83.1    | 84.3    | 84.3    | 85.6    | 85.6        | 86.6    | 86.6        | 86.6        | 87.3    | 87.5      | 87.5      | 88.3      | 88.4      | 89.2      | 89.5    |
| GE 900                | 39.1                        | 83.1    | 84.3    | 84.3    | 85.7    | 85.7        | 86.6    | 86.6        | 86.6        | 87.4    | 87.5      | 87.5      | 88.4      | 88.4      | 89.2      | 89.5    |
| GE 800                | 39.5                        | 84.1    | 85.6    | 85.6    | 86.9    | 86.9        | 88.0    | 88.0        | 88.0        | 89.0    | 89.2      | 89.2      | 90.2      | 90.2      | 91.0      | 91.4    |
| GE 700                | 40.0                        | 85.1    | 86.6    | 86.6    | 88.8    | 88.8        | 90.1    | 90.1        | 90.1        | 91.0    | 91.3      | 91.3      | 92.4      | 92.4      | 93.3      | 93.6    |
| GE 600                | 40.0                        | 85.3    | 86.9    | 86.9    | 89.1    | 89.1        | 90.4    | 90.4        | 90.4        | 91.3    | 91.6      | 91.6      | 92.7      | 92.7      | 93.6      | 94.0    |
| GE 500                | 40.1                        | 86.0    | 87.7    | 87.7    | 90.0    | 90.0        | 91.4    | 91.4        | 91.4        | 92.4    | 92.7      | 92.7      | 93.8      | 93.9      | 94.8      | 95.1    |
| GE 400                | 40.2                        | 86.8    | 88.5    | 88.5    | 91.2    | 91.2        | 92.7    | 92.7        | 92.7        | 93.9    | 94.2      | 94.2      | 95.4      | 95.4      | 96.3      | 96.7    |
| GE 300                | 40.3                        | 86.9    | 88.6    | 88.6    | 91.4    | 91.4        | 92.9    | 92.9        | 92.9        | 94.2    | 94.4      | 94.4      | 95.7      | 95.8      | 96.9      | 97.4    |
| GE 200                | 40.4                        | 87.0    | 88.8    | 88.8    | 91.6    | 91.6        | 93.1    | 93.1        | 93.1        | 94.3    | 94.6      | 94.6      | 96.4      | 96.5      | 97.8      | 98.7    |
| GE 100                | 40.5                        | 87.1    | 88.9    | 88.9    | 91.7    | 91.7        | 93.2    | 93.2        | 93.2        | 94.5    | 94.7      | 94.7      | 96.6      | 96.7      | 98.6      | 99.9    |
| GE 000                | 40.5                        | 87.1    | 88.9    | 88.9    | 91.7    | 91.7        | 93.2    | 93.2        | 93.2        | 94.5    | 94.7      | 94.7      | 96.6      | 96.7      | 98.6      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 1661

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
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               | 21.1                        | 34.7    | 34.9    | 34.9    | 35.1    | 35.1        | 35.4    | 35.4        | 35.4        | 35.8    | 35.8      | 35.8      | 36.1      | 36.5      | 36.5      | 37.0    |
| GE 20000              | 21.3                        | 36.3    | 36.5    | 36.5    | 36.8    | 36.8        | 37.0    | 37.0        | 37.0        | 37.5    | 37.5      | 37.5      | 37.7      | 38.2      | 38.2      | 38.6    |
| GE 18000              | 21.3                        | 36.5    | 36.8    | 36.8    | 37.0    | 37.0        | 37.2    | 37.2        | 37.2        | 37.7    | 37.7      | 37.7      | 37.9      | 38.4      | 38.4      | 38.9    |
| GE 16000              | 21.3                        | 36.8    | 37.0    | 37.0    | 37.2    | 37.2        | 37.5    | 37.5        | 37.5        | 37.9    | 37.9      | 37.9      | 38.2      | 38.6      | 38.6      | 39.1    |
| GE 14000              | 21.3                        | 36.8    | 37.0    | 37.0    | 37.2    | 37.2        | 37.5    | 37.5        | 37.5        | 37.9    | 37.9      | 37.9      | 38.2      | 38.6      | 38.6      | 39.1    |
| GE 12000              | 21.3                        | 36.8    | 37.0    | 37.0    | 37.2    | 37.2        | 37.5    | 37.5        | 37.5        | 37.9    | 37.9      | 37.9      | 38.2      | 38.6      | 38.6      | 39.1    |
| GE 10000              | 22.2                        | 40.0    | 40.3    | 40.3    | 40.5    | 40.5        | 40.7    | 40.7        | 40.7        | 41.2    | 41.2      | 41.2      | 41.5      | 41.9      | 41.9      | 42.4    |
| GE 9000               | 22.2                        | 40.0    | 40.3    | 40.3    | 40.5    | 40.5        | 40.7    | 40.7        | 40.7        | 41.2    | 41.2      | 41.2      | 41.5      | 41.9      | 41.9      | 42.4    |
| GE 8000               | 22.5                        | 41.0    | 41.2    | 41.2    | 41.5    | 41.5        | 41.7    | 41.7        | 41.7        | 42.2    | 42.2      | 42.2      | 42.4      | 42.9      | 42.9      | 43.3    |
| GE 7000               | 24.1                        | 43.8    | 44.0    | 44.0    | 44.3    | 44.3        | 44.5    | 44.5        | 44.5        | 45.0    | 45.0      | 45.0      | 45.2      | 45.7      | 45.7      | 46.1    |
| GE 6000               | 24.1                        | 43.8    | 44.0    | 44.0    | 44.3    | 44.3        | 44.5    | 44.5        | 44.5        | 45.0    | 45.0      | 45.0      | 45.2      | 45.7      | 45.7      | 46.1    |
| GE 5000               | 25.5                        | 47.3    | 47.5    | 47.5    | 48.0    | 48.0        | 48.2    | 48.2        | 48.2        | 48.7    | 48.7      | 48.7      | 48.9      | 49.4      | 49.4      | 49.9    |
| GE 4500               | 25.5                        | 47.3    | 47.5    | 47.5    | 48.0    | 48.0        | 48.2    | 48.2        | 48.2        | 48.7    | 48.7      | 48.7      | 48.9      | 49.4      | 49.4      | 49.9    |
| GE 4000               | 25.8                        | 48.7    | 48.9    | 48.9    | 49.4    | 49.4        | 49.6    | 49.6        | 49.6        | 50.1    | 50.1      | 50.1      | 50.4      | 50.8      | 50.8      | 51.3    |
| GE 3500               | 25.8                        | 48.7    | 48.9    | 48.9    | 49.4    | 49.4        | 49.6    | 49.6        | 49.6        | 50.1    | 50.1      | 50.1      | 50.4      | 50.8      | 50.8      | 51.3    |
| GE 3000               | 26.2                        | 51.1    | 51.3    | 51.3    | 51.8    | 51.8        | 52.0    | 52.0        | 52.0        | 52.5    | 52.5      | 52.5      | 52.7      | 53.2      | 53.2      | 53.6    |
| GE 2500               | 29.5                        | 56.2    | 56.4    | 56.4    | 57.1    | 57.1        | 57.4    | 57.4        | 57.4        | 57.8    | 57.8      | 57.8      | 58.1      | 58.5      | 58.5      | 59.0    |
| GE 2000               | 30.0                        | 61.1    | 61.4    | 61.4    | 62.3    | 62.3        | 62.5    | 62.5        | 62.5        | 63.0    | 63.0      | 63.0      | 63.2      | 63.7      | 63.7      | 64.2    |
| GE 1800               | 30.0                        | 61.1    | 61.4    | 61.4    | 62.3    | 62.3        | 62.5    | 62.5        | 62.5        | 63.0    | 63.0      | 63.0      | 63.2      | 63.7      | 63.7      | 64.2    |
| GE 1500               | 31.1                        | 63.9    | 64.2    | 64.2    | 65.1    | 65.1        | 65.3    | 65.3        | 65.3        | 65.8    | 65.8      | 65.8      | 66.0      | 66.5      | 66.5      | 67.0    |
| GE 1200               | 35.8                        | 73.1    | 73.8    | 73.8    | 75.2    | 75.2        | 75.6    | 75.6        | 75.6        | 76.1    | 76.1      | 76.1      | 76.3      | 76.8      | 77.0      | 77.5    |
| GE 1000               | 37.2                        | 80.6    | 81.7    | 81.7    | 83.8    | 83.8        | 84.8    | 84.8        | 84.8        | 86.2    | 86.2      | 86.2      | 86.4      | 86.9      | 87.1      | 87.6    |
| GE 900                | 37.9                        | 81.5    | 82.7    | 82.7    | 84.8    | 84.8        | 85.7    | 85.7        | 85.7        | 87.4    | 87.4      | 87.4      | 87.5      | 88.1      | 88.3      | 88.8    |
| GE 800                | 38.2                        | 82.4    | 83.6    | 83.6    | 86.4    | 86.4        | 87.4    | 87.6        | 87.6        | 89.2    | 89.2      | 89.2      | 89.5      | 89.9      | 90.4      | 90.9    |
| GE 700                | 38.4                        | 82.9    | 84.3    | 84.3    | 87.6    | 87.6        | 88.8    | 89.0        | 89.0        | 90.6    | 90.6      | 90.6      | 90.9      | 91.3      | 91.8      | 92.3    |
| GE 600                | 38.4                        | 83.1    | 84.5    | 84.5    | 88.1    | 88.3        | 89.5    | 89.7        | 89.7        | 91.3    | 91.6      | 91.6      | 91.8      | 92.3      | 92.7      | 93.2    |
| GE 500                | 38.4                        | 83.1    | 84.5    | 84.5    | 88.1    | 88.3        | 89.5    | 89.7        | 89.7        | 91.6    | 91.8      | 91.8      | 92.0      | 92.5      | 93.0      | 93.4    |
| GE 400                | 38.6                        | 83.8    | 85.2    | 85.2    | 89.0    | 89.2        | 90.6    | 90.9        | 90.9        | 93.2    | 93.4      | 93.4      | 94.1      | 94.6      | 95.1      | 95.6    |
| GE 300                | 38.6                        | 84.1    | 85.5    | 85.5    | 89.2    | 89.5        | 90.9    | 91.1        | 91.1        | 93.7    | 93.9      | 93.9      | 94.6      | 95.1      | 96.0      | 96.5    |
| GE 200                | 38.9                        | 84.3    | 85.7    | 85.7    | 89.5    | 89.7        | 91.1    | 91.3        | 91.3        | 93.9    | 94.1      | 94.4      | 95.8      | 96.3      | 97.4      | 98.1    |
| GE 100                | 39.1                        | 84.5    | 85.9    | 85.9    | 89.7    | 89.9        | 91.3    | 91.6        | 91.6        | 94.1    | 94.4      | 94.6      | 96.0      | 96.5      | 97.9      | 99.8    |
| GE 000                | 39.1                        | 84.5    | 85.9    | 85.9    | 89.7    | 89.9        | 91.3    | 91.6        | 91.6        | 94.1    | 94.4      | 94.6      | 96.0      | 96.5      | 97.9      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 427

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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 CELL               | 16.6                        | 29.2    | 29.5    | 29.5    | 29.7    | 29.7        | 30.0    | 30.0        | 30.0        | 30.2    | 30.2      | 30.2      | 30.2      | 30.2      | 30.2      | 30.2    |
| GE 20000              | 16.9                        | 31.2    | 31.5    | 31.5    | 31.7    | 31.7        | 32.2    | 32.2        | 32.2        | 32.7    | 32.7      | 32.7      | 32.7      | 32.7      | 32.7      | 32.7    |
| GE 18000              | 17.1                        | 31.5    | 31.7    | 31.7    | 32.0    | 32.0        | 32.5    | 32.5        | 32.5        | 33.0    | 33.0      | 33.0      | 33.0      | 33.0      | 33.0      | 33.0    |
| GE 16000              | 17.1                        | 31.5    | 31.7    | 31.7    | 32.0    | 32.0        | 32.5    | 32.5        | 32.5        | 33.0    | 33.0      | 33.0      | 33.0      | 33.0      | 33.0      | 33.0    |
| GE 14000              | 17.1                        | 31.7    | 32.0    | 32.0    | 32.2    | 32.2        | 32.7    | 32.7        | 32.7        | 33.2    | 33.2      | 33.2      | 33.2      | 33.2      | 33.2      | 33.2    |
| GE 12000              | 17.1                        | 31.7    | 32.0    | 32.0    | 32.2    | 32.2        | 32.7    | 32.7        | 32.7        | 33.2    | 33.2      | 33.2      | 33.2      | 33.2      | 33.2      | 33.2    |
| GE 10000              | 18.4                        | 34.3    | 34.5    | 34.5    | 34.8    | 34.8        | 35.3    | 35.3        | 35.3        | 35.8    | 35.8      | 35.8      | 35.8      | 35.8      | 35.8      | 35.8    |
| GE 9000               | 18.4                        | 34.3    | 34.5    | 34.5    | 34.8    | 34.8        | 35.3    | 35.3        | 35.3        | 35.8    | 35.8      | 35.8      | 35.8      | 35.8      | 35.8      | 35.8    |
| GE 8000               | 18.4                        | 34.8    | 35.0    | 35.0    | 35.3    | 35.3        | 35.8    | 35.8        | 35.8        | 36.3    | 36.3      | 36.3      | 36.3      | 36.3      | 36.3      | 36.3    |
| GE 7000               | 19.4                        | 36.3    | 36.5    | 36.5    | 36.8    | 36.8        | 37.3    | 37.3        | 37.3        | 37.8    | 37.8      | 37.8      | 37.8      | 37.8      | 37.8      | 37.8    |
| GE 6000               | 19.4                        | 36.8    | 37.0    | 37.0    | 37.3    | 37.3        | 37.8    | 37.8        | 37.8        | 38.3    | 38.3      | 38.3      | 38.3      | 38.3      | 38.3      | 38.3    |
| GE 5000               | 20.4                        | 39.3    | 39.5    | 39.5    | 39.8    | 39.8        | 40.3    | 40.3        | 40.3        | 40.8    | 40.8      | 40.8      | 40.8      | 40.8      | 40.8      | 40.8    |
| GE 4500               | 20.4                        | 39.3    | 39.5    | 39.5    | 39.8    | 39.8        | 40.3    | 40.3        | 40.3        | 40.8    | 40.8      | 40.8      | 40.8      | 40.8      | 40.8      | 40.8    |
| GE 4000               | 21.9                        | 41.6    | 41.8    | 41.8    | 42.1    | 42.1        | 42.6    | 42.6        | 42.6        | 43.1    | 43.1      | 43.1      | 43.1      | 43.1      | 43.1      | 43.1    |
| GE 3500               | 21.9                        | 42.1    | 42.3    | 42.3    | 42.6    | 42.6        | 43.1    | 43.1        | 43.1        | 43.6    | 43.6      | 43.6      | 43.6      | 43.6      | 43.6      | 43.6    |
| GE 3000               | 22.9                        | 45.3    | 45.6    | 45.6    | 45.8    | 45.8        | 46.3    | 46.3        | 46.3        | 46.9    | 46.9      | 46.9      | 46.9      | 46.9      | 46.9      | 46.9    |
| GE 2500               | 25.2                        | 48.4    | 48.6    | 48.6    | 48.9    | 48.9        | 49.4    | 49.4        | 49.4        | 49.9    | 49.9      | 49.9      | 49.9      | 49.9      | 49.9      | 49.9    |
| GE 2000               | 26.4                        | 54.9    | 55.2    | 55.2    | 55.4    | 55.4        | 55.9    | 55.9        | 55.9        | 56.4    | 56.4      | 56.4      | 56.4      | 56.4      | 56.4      | 56.4    |
| GE 1800               | 26.4                        | 54.9    | 55.2    | 55.2    | 55.4    | 55.4        | 55.9    | 55.9        | 55.9        | 56.4    | 56.4      | 56.4      | 56.4      | 56.4      | 56.4      | 56.4    |
| GE 1500               | 28.0                        | 58.2    | 58.7    | 58.7    | 58.9    | 58.9        | 59.4    | 59.4        | 59.4        | 59.9    | 59.9      | 59.9      | 59.9      | 59.9      | 59.9      | 59.9    |
| GE 1200               | 33.0                        | 68.5    | 69.8    | 69.8    | 71.0    | 71.0        | 72.3    | 72.3        | 72.3        | 73.3    | 73.3      | 73.3      | 73.6      | 73.6      | 73.6      | 73.6    |
| GE 1000               | 36.5                        | 76.3    | 78.6    | 78.6    | 80.9    | 80.9        | 82.1    | 82.1        | 82.1        | 83.1    | 83.1      | 83.1      | 83.4      | 83.4      | 83.4      | 83.4    |
| GE 900                | 36.5                        | 76.3    | 78.6    | 78.6    | 80.9    | 80.9        | 82.4    | 82.4        | 82.4        | 83.4    | 83.4      | 83.4      | 83.6      | 83.6      | 83.6      | 83.6    |
| GE 800                | 36.8                        | 77.3    | 79.6    | 79.6    | 82.9    | 82.9        | 84.4    | 84.4        | 84.4        | 85.4    | 85.4      | 85.4      | 85.6      | 85.6      | 85.6      | 85.6    |
| GE 700                | 36.8                        | 79.6    | 82.4    | 82.4    | 86.1    | 86.1        | 87.9    | 87.9        | 87.9        | 88.9    | 88.9      | 88.9      | 89.2      | 89.2      | 89.2      | 89.2    |
| GE 600                | 37.0                        | 80.4    | 83.1    | 83.1    | 87.2    | 87.2        | 89.2    | 89.2        | 89.2        | 90.2    | 90.2      | 90.2      | 90.4      | 90.4      | 90.4      | 90.4    |
| GE 500                | 37.0                        | 80.4    | 83.6    | 83.6    | 88.4    | 88.4        | 90.7    | 90.7        | 90.7        | 91.9    | 91.9      | 91.9      | 92.2      | 92.2      | 92.2      | 92.2    |
| GE 400                | 37.3                        | 81.4    | 84.6    | 84.6    | 89.7    | 89.7        | 92.9    | 92.9        | 92.9        | 95.5    | 95.5      | 95.5      | 95.7      | 95.7      | 95.7      | 95.7    |
| GE 300                | 37.3                        | 81.4    | 84.6    | 84.6    | 89.7    | 89.7        | 92.9    | 92.9        | 92.9        | 95.7    | 95.7      | 95.7      | 96.0      | 96.0      | 96.0      | 96.0    |
| GE 200                | 37.3                        | 81.4    | 84.6    | 84.6    | 89.7    | 89.7        | 92.9    | 92.9        | 92.9        | 95.7    | 95.7      | 95.7      | 96.2      | 96.2      | 97.0      | 97.5    |
| GE 100                | 37.3                        | 81.6    | 84.9    | 84.9    | 89.9    | 89.9        | 93.2    | 93.2        | 93.2        | 96.0    | 96.0      | 96.0      | 97.0      | 97.0      | 98.2      | 100.0   |
| GE 000                | 37.3                        | 81.6    | 84.9    | 84.9    | 89.9    | 89.9        | 93.2    | 93.2        | 93.2        | 96.0    | 96.0      | 96.0      | 97.0      | 97.0      | 98.2      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 397

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
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               | 20.5                        | 39.9    | 39.9    | 39.9    | 39.9    | 39.9        | 39.9    | 39.9        | 39.9        | 39.9    | 39.9      | 39.9      | 39.9      | 39.9      | 40.4      | 40.4    |
| GE 20000              | 20.5                        | 40.7    | 40.7    | 40.7    | 40.7    | 40.7        | 40.7    | 40.7        | 40.7        | 40.7    | 40.7      | 40.7      | 40.7      | 40.7      | 41.2      | 41.2    |
| GE 18000              | 20.5                        | 40.7    | 40.7    | 40.7    | 40.7    | 40.7        | 40.7    | 40.7        | 40.7        | 40.7    | 40.7      | 40.7      | 40.7      | 40.7      | 41.2      | 41.2    |
| GE 16000              | 20.5                        | 40.7    | 40.7    | 40.7    | 40.7    | 40.7        | 40.7    | 40.7        | 40.7        | 40.7    | 40.7      | 40.7      | 40.7      | 40.7      | 41.2      | 41.2    |
| GE 14000              | 20.5                        | 40.9    | 40.9    | 40.9    | 40.9    | 40.9        | 40.9    | 40.9        | 40.9        | 40.9    | 40.9      | 40.9      | 40.9      | 40.9      | 41.4      | 41.4    |
| GE 12000              | 20.5                        | 40.9    | 40.9    | 40.9    | 40.9    | 40.9        | 40.9    | 40.9        | 40.9        | 40.9    | 40.9      | 40.9      | 40.9      | 40.9      | 41.4      | 41.4    |
| GE 10000              | 22.3                        | 44.5    | 44.5    | 44.5    | 44.5    | 44.5        | 44.5    | 44.5        | 44.5        | 44.5    | 44.5      | 44.5      | 44.5      | 44.5      | 45.0      | 45.0    |
| GE 9000               | 22.3                        | 44.8    | 44.8    | 44.8    | 44.8    | 44.8        | 44.8    | 44.8        | 44.8        | 44.8    | 44.8      | 44.8      | 44.8      | 44.8      | 45.3      | 45.3    |
| GE 8000               | 22.5                        | 45.0    | 45.0    | 45.0    | 45.0    | 45.0        | 45.0    | 45.0        | 45.0        | 45.0    | 45.0      | 45.0      | 45.0      | 45.0      | 45.5      | 45.5    |
| GE 7000               | 23.3                        | 46.8    | 46.8    | 46.8    | 46.8    | 46.8        | 46.8    | 46.8        | 46.8        | 46.8    | 46.8      | 46.8      | 46.8      | 46.8      | 47.3      | 47.3    |
| GE 6000               | 23.8                        | 47.6    | 47.6    | 47.6    | 47.6    | 47.6        | 47.6    | 47.6        | 47.6        | 47.6    | 47.6      | 47.6      | 47.6      | 47.6      | 48.1      | 48.1    |
| GE 5000               | 25.1                        | 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      | 50.6      | 50.6    |
| GE 4500               | 25.1                        | 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      | 50.6      | 50.6    |
| GE 4000               | 25.3                        | 50.9    | 50.9    | 50.9    | 50.9    | 50.9        | 50.9    | 50.9        | 50.9        | 50.9    | 50.9      | 50.9      | 50.9      | 50.9      | 51.4      | 51.4    |
| GE 3500               | 25.3                        | 51.2    | 51.2    | 51.2    | 51.2    | 51.2        | 51.2    | 51.2        | 51.2        | 51.2    | 51.2      | 51.2      | 51.2      | 51.2      | 51.7      | 51.7    |
| GE 3000               | 26.9                        | 54.2    | 54.2    | 54.2    | 54.2    | 54.2        | 54.2    | 54.2        | 54.2        | 54.2    | 54.2      | 54.2      | 54.2      | 54.2      | 54.7      | 54.7    |
| GE 2500               | 28.4                        | 57.8    | 58.1    | 58.1    | 58.1    | 58.1        | 58.3    | 58.3        | 58.3        | 58.3    | 58.3      | 58.3      | 58.3      | 58.3      | 58.8      | 58.8    |
| GE 2000               | 29.2                        | 64.2    | 64.7    | 64.7    | 64.7    | 64.7        | 65.0    | 65.0        | 65.0        | 65.0    | 65.0      | 65.0      | 65.0      | 65.0      | 65.5      | 65.5    |
| GE 1800               | 29.2                        | 64.2    | 64.7    | 64.7    | 64.7    | 64.7        | 65.0    | 65.0        | 65.0        | 65.0    | 65.0      | 65.0      | 65.0      | 65.0      | 65.5      | 65.5    |
| GE 1500               | 31.2                        | 67.3    | 67.8    | 67.8    | 67.8    | 67.8        | 68.0    | 68.0        | 68.0        | 68.0    | 68.0      | 68.0      | 68.0      | 68.3      | 68.8      | 68.8    |
| GE 1200               | 35.0                        | 76.7    | 77.2    | 77.2    | 77.7    | 77.7        | 78.5    | 78.5        | 78.5        | 78.5    | 78.5      | 78.5      | 78.8      | 78.8      | 79.3      | 79.3    |
| GE 1000               | 38.9                        | 85.2    | 86.2    | 86.2    | 86.7    | 86.7        | 87.7    | 87.7        | 87.7        | 88.0    | 88.0      | 88.0      | 88.5      | 88.5      | 89.0      | 89.0    |
| GE 900                | 38.9                        | 85.2    | 86.2    | 86.2    | 87.0    | 87.0        | 88.0    | 88.0        | 88.0        | 88.2    | 88.2      | 88.2      | 88.7      | 88.7      | 89.3      | 89.3    |
| GE 800                | 39.4                        | 86.2    | 87.2    | 87.2    | 88.2    | 88.2        | 89.3    | 89.3        | 89.3        | 89.8    | 89.8      | 89.8      | 90.3      | 90.3      | 90.8      | 90.8    |
| GE 700                | 40.7                        | 89.8    | 90.8    | 90.8    | 92.6    | 92.6        | 93.6    | 93.9        | 93.9        | 94.4    | 94.4      | 94.4      | 94.9      | 94.9      | 95.4      | 95.4    |
| GE 600                | 40.7                        | 89.8    | 90.8    | 90.8    | 92.6    | 92.6        | 93.6    | 93.9        | 93.9        | 94.4    | 94.4      | 94.4      | 94.9      | 94.9      | 95.4      | 95.4    |
| GE 500                | 41.2                        | 90.3    | 91.3    | 91.3    | 93.1    | 93.1        | 94.1    | 94.4        | 94.4        | 94.9    | 94.9      | 94.9      | 95.4      | 95.4      | 96.2      | 96.2    |
| GE 400                | 41.4                        | 91.3    | 92.3    | 92.3    | 94.4    | 94.6        | 95.7    | 95.9        | 95.9        | 96.7    | 96.7      | 96.7      | 97.2      | 97.2      | 98.2      | 98.2    |
| GE 300                | 41.4                        | 91.3    | 92.3    | 92.3    | 94.4    | 94.6        | 95.7    | 95.9        | 95.9        | 96.9    | 96.9      | 96.9      | 97.7      | 97.7      | 99.0      | 99.0    |
| GE 200                | 41.4                        | 91.3    | 92.3    | 92.3    | 94.4    | 94.6        | 95.7    | 95.9        | 95.9        | 96.9    | 96.9      | 96.9      | 98.2      | 98.2      | 99.5      | 99.7    |
| GE 100                | 41.4                        | 91.3    | 92.3    | 92.3    | 94.4    | 94.6        | 95.7    | 95.9        | 95.9        | 96.9    | 96.9      | 96.9      | 98.2      | 98.2      | 99.5      | 100.0   |
| GE 000                | 41.4                        | 91.3    | 92.3    | 92.3    | 94.4    | 94.6        | 95.7    | 95.9        | 95.9        | 96.9    | 96.9      | 96.9      | 98.2      | 98.2      | 99.5      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 391



OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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               | 21.2                        | 40.1    | 40.1    | 40.1    | 40.1    | 40.1        | 40.1    | 40.1        | 40.1        | 40.1    | 40.1      | 40.1      | 40.3      | 40.3      | 40.3      | 40.6    |
| GE 20000              | 21.2                        | 40.6    | 40.6    | 40.6    | 40.6    | 40.6        | 40.6    | 40.6        | 40.6        | 40.6    | 40.6      | 40.6      | 40.8      | 40.8      | 40.8      | 41.0    |
| GE 18000              | 21.2                        | 40.8    | 40.8    | 40.8    | 40.8    | 40.8        | 40.8    | 40.8        | 40.8        | 40.8    | 40.8      | 40.8      | 41.0      | 41.0      | 41.0      | 41.3    |
| GE 16000              | 21.2                        | 41.0    | 41.0    | 41.0    | 41.0    | 41.0        | 41.0    | 41.0        | 41.0        | 41.0    | 41.0      | 41.0      | 41.3      | 41.3      | 41.3      | 41.5    |
| GE 14000              | 21.7                        | 41.5    | 41.5    | 41.5    | 41.5    | 41.5        | 41.5    | 41.5        | 41.5        | 41.5    | 41.5      | 41.5      | 41.7      | 41.7      | 41.7      | 42.0    |
| GE 12000              | 21.7                        | 41.5    | 41.5    | 41.5    | 41.5    | 41.5        | 41.5    | 41.5        | 41.5        | 41.5    | 41.5      | 41.5      | 41.7      | 41.7      | 41.7      | 42.0    |
| GE 10000              | 23.8                        | 46.0    | 46.0    | 46.0    | 46.0    | 46.0        | 46.0    | 46.0        | 46.0        | 46.0    | 46.0      | 46.0      | 46.2      | 46.2      | 46.2      | 46.5    |
| GE 9000               | 23.8                        | 46.0    | 46.0    | 46.0    | 46.0    | 46.0        | 46.0    | 46.0        | 46.0        | 46.0    | 46.0      | 46.0      | 46.2      | 46.2      | 46.2      | 46.5    |
| GE 8000               | 24.1                        | 46.7    | 46.7    | 46.7    | 46.7    | 46.7        | 46.7    | 46.7        | 46.7        | 46.7    | 46.7      | 46.7      | 46.9      | 46.9      | 46.9      | 47.2    |
| GE 7000               | 25.2                        | 48.3    | 48.3    | 48.3    | 48.3    | 48.3        | 48.3    | 48.3        | 48.3        | 48.3    | 48.3      | 48.3      | 48.6      | 48.6      | 48.6      | 48.8    |
| GE 6000               | 25.2                        | 49.1    | 49.1    | 49.1    | 49.1    | 49.1        | 49.1    | 49.1        | 49.1        | 49.1    | 49.1      | 49.1      | 49.3      | 49.3      | 49.3      | 49.5    |
| GE 5000               | 26.2                        | 53.1    | 53.1    | 53.1    | 53.1    | 53.1        | 53.1    | 53.1        | 53.1        | 53.1    | 53.1      | 53.1      | 53.3      | 53.3      | 53.3      | 53.5    |
| GE 4500               | 26.2                        | 53.1    | 53.1    | 53.1    | 53.1    | 53.1        | 53.1    | 53.1        | 53.1        | 53.1    | 53.1      | 53.1      | 53.3      | 53.3      | 53.3      | 53.5    |
| GE 4000               | 27.8                        | 55.2    | 55.2    | 55.2    | 55.2    | 55.2        | 55.2    | 55.2        | 55.2        | 55.2    | 55.2      | 55.2      | 55.4      | 55.4      | 55.4      | 55.7    |
| GE 3500               | 27.8                        | 55.4    | 55.4    | 55.4    | 55.4    | 55.4        | 55.4    | 55.4        | 55.4        | 55.4    | 55.4      | 55.4      | 55.7      | 55.7      | 55.7      | 55.9    |
| GE 3000               | 29.2                        | 57.3    | 57.3    | 57.3    | 57.3    | 57.3        | 57.3    | 57.3        | 57.3        | 57.3    | 57.3      | 57.3      | 57.5      | 57.5      | 57.5      | 57.8    |
| GE 2500               | 31.4                        | 60.6    | 60.6    | 60.6    | 60.6    | 60.6        | 60.6    | 60.6        | 60.6        | 60.6    | 60.6      | 60.6      | 60.8      | 60.8      | 60.8      | 61.1    |
| GE 2000               | 33.7                        | 66.7    | 66.7    | 66.7    | 66.7    | 66.7        | 66.7    | 66.7        | 66.7        | 66.7    | 66.7      | 66.7      | 67.0      | 67.0      | 67.0      | 67.2    |
| GE 1800               | 33.7                        | 67.0    | 67.0    | 67.0    | 67.0    | 67.0        | 67.0    | 67.0        | 67.0        | 67.0    | 67.0      | 67.0      | 67.2      | 67.2      | 67.2      | 67.5    |
| GE 1500               | 35.8                        | 70.8    | 70.8    | 70.8    | 70.8    | 70.8        | 70.8    | 71.0        | 71.0        | 71.0    | 71.0      | 71.0      | 71.2      | 71.2      | 71.2      | 71.5    |
| GE 1200               | 38.4                        | 78.1    | 78.5    | 78.5    | 79.0    | 79.0        | 79.2    | 79.2        | 79.2        | 79.2    | 79.2      | 79.2      | 79.5      | 79.5      | 79.5      | 79.7    |
| GE 1000               | 42.0                        | 86.3    | 87.7    | 87.7    | 88.9    | 88.9        | 89.4    | 89.6        | 89.6        | 90.1    | 90.1      | 90.1      | 90.3      | 90.3      | 90.3      | 90.6    |
| GE 900                | 42.0                        | 86.3    | 87.7    | 87.7    | 88.9    | 88.9        | 89.4    | 89.6        | 89.6        | 90.1    | 90.1      | 90.1      | 90.3      | 90.3      | 90.3      | 90.6    |
| GE 800                | 42.2                        | 86.8    | 88.2    | 88.2    | 89.4    | 89.4        | 89.9    | 90.1        | 90.1        | 90.6    | 90.6      | 90.6      | 91.0      | 91.0      | 91.0      | 91.3    |
| GE 700                | 43.4                        | 88.4    | 90.1    | 90.1    | 91.7    | 91.7        | 92.7    | 92.9        | 92.9        | 93.9    | 93.9      | 93.9      | 94.3      | 94.3      | 94.3      | 94.6    |
| GE 600                | 43.4                        | 88.7    | 90.3    | 90.3    | 92.0    | 92.0        | 92.9    | 93.2        | 93.2        | 94.1    | 94.1      | 94.1      | 94.6      | 94.6      | 94.6      | 94.8    |
| GE 500                | 43.4                        | 88.9    | 90.6    | 90.6    | 92.2    | 92.2        | 93.2    | 93.6        | 93.6        | 94.6    | 94.6      | 94.6      | 95.0      | 95.3      | 95.3      | 95.5    |
| GE 400                | 43.9                        | 89.6    | 91.3    | 91.3    | 92.9    | 92.9        | 93.9    | 94.3        | 94.3        | 95.5    | 95.5      | 95.5      | 96.2      | 96.5      | 96.5      | 96.7    |
| GE 300                | 43.9                        | 89.6    | 91.3    | 91.3    | 92.9    | 92.9        | 93.9    | 94.3        | 94.3        | 95.5    | 95.5      | 95.5      | 96.5      | 96.7      | 96.9      | 97.4    |
| GE 200                | 43.9                        | 89.6    | 91.3    | 91.3    | 92.9    | 92.9        | 93.9    | 94.3        | 94.6        | 95.8    | 95.8      | 95.8      | 96.9      | 97.2      | 98.1      | 98.8    |
| GE 100                | 43.9                        | 89.6    | 91.3    | 91.3    | 92.9    | 92.9        | 93.9    | 94.3        | 94.6        | 95.8    | 95.8      | 95.8      | 96.9      | 97.2      | 98.6      | 100.0   |
| GE 000                | 43.9                        | 89.6    | 91.3    | 91.3    | 92.9    | 92.9        | 93.9    | 94.3        | 94.6        | 95.8    | 95.8      | 95.8      | 96.9      | 97.2      | 98.6      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 424

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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               | 19.9                        | 36.0    | 36.1    | 36.1    | 36.2    | 36.2        | 36.4    | 36.4        | 36.4        | 36.5    | 36.5      | 36.5      | 36.7      | 36.8      | 36.9      | 37.1    |
| GE 20000              | 20.0                        | 37.2    | 37.3    | 37.3    | 37.5    | 37.5        | 37.6    | 37.6        | 37.6        | 37.9    | 37.9      | 37.9      | 38.0      | 38.1      | 38.3      | 38.4    |
| GE 18000              | 20.1                        | 37.4    | 37.5    | 37.5    | 37.6    | 37.6        | 37.8    | 37.8        | 37.8        | 38.1    | 38.1      | 38.1      | 38.2      | 38.3      | 38.4      | 38.6    |
| GE 16000              | 20.1                        | 37.5    | 37.6    | 37.6    | 37.8    | 37.8        | 37.9    | 37.9        | 37.9        | 38.2    | 38.2      | 38.2      | 38.3      | 38.4      | 38.6      | 38.7    |
| GE 14000              | 20.2                        | 37.8    | 37.9    | 37.9    | 38.0    | 38.0        | 38.2    | 38.2        | 38.2        | 38.4    | 38.4      | 38.4      | 38.6      | 38.7      | 38.8      | 39.0    |
| GE 12000              | 20.2                        | 37.8    | 37.9    | 37.9    | 38.0    | 38.0        | 38.2    | 38.2        | 38.2        | 38.4    | 38.4      | 38.4      | 38.6      | 38.7      | 38.8      | 39.0    |
| GE 10000              | 21.7                        | 41.2    | 41.4    | 41.4    | 41.5    | 41.5        | 41.7    | 41.7        | 41.7        | 41.9    | 41.9      | 41.9      | 42.0      | 42.2      | 42.3      | 42.5    |
| GE 9000               | 21.7                        | 41.3    | 41.4    | 41.4    | 41.5    | 41.5        | 41.7    | 41.7        | 41.7        | 42.0    | 42.0      | 42.0      | 42.1      | 42.2      | 42.3      | 42.5    |
| GE 8000               | 21.9                        | 41.9    | 42.0    | 42.0    | 42.2    | 42.2        | 42.3    | 42.3        | 42.3        | 42.6    | 42.6      | 42.6      | 42.7      | 42.8      | 43.0      | 43.1    |
| GE 7000               | 23.1                        | 43.9    | 44.0    | 44.0    | 44.1    | 44.1        | 44.3    | 44.3        | 44.3        | 44.5    | 44.5      | 44.5      | 44.7      | 44.8      | 44.9      | 45.1    |
| GE 6000               | 23.2                        | 44.4    | 44.5    | 44.5    | 44.6    | 44.6        | 44.8    | 44.8        | 44.8        | 45.0    | 45.0      | 45.0      | 45.1      | 45.3      | 45.4      | 45.6    |
| GE 5000               | 24.3                        | 47.5    | 47.7    | 47.7    | 47.8    | 47.8        | 48.0    | 48.0        | 48.0        | 48.3    | 48.3      | 48.3      | 48.4      | 48.5      | 48.6      | 48.8    |
| GE 4500               | 24.3                        | 47.5    | 47.7    | 47.7    | 47.8    | 47.8        | 48.0    | 48.0        | 48.0        | 48.3    | 48.3      | 48.3      | 48.4      | 48.5      | 48.6      | 48.8    |
| GE 4000               | 25.3                        | 49.2    | 49.3    | 49.3    | 49.5    | 49.5        | 49.7    | 49.7        | 49.7        | 49.9    | 49.9      | 49.9      | 50.0      | 50.2      | 50.3      | 50.5    |
| GE 3500               | 25.3                        | 49.4    | 49.5    | 49.5    | 49.7    | 49.7        | 49.9    | 49.9        | 49.9        | 50.2    | 50.2      | 50.2      | 50.3      | 50.4      | 50.5      | 50.7    |
| GE 3000               | 26.4                        | 52.0    | 52.2    | 52.2    | 52.3    | 52.3        | 52.5    | 52.5        | 52.5        | 52.8    | 52.8      | 52.8      | 52.9      | 53.0      | 53.1      | 53.3    |
| GE 2500               | 28.7                        | 55.8    | 56.0    | 56.0    | 56.3    | 56.3        | 56.5    | 56.5        | 56.5        | 56.7    | 56.7      | 56.7      | 56.9      | 57.0      | 57.1      | 57.3    |
| GE 2000               | 29.9                        | 61.8    | 62.1    | 62.1    | 62.4    | 62.4        | 62.6    | 62.6        | 62.6        | 62.8    | 62.8      | 62.8      | 63.0      | 63.1      | 63.2      | 63.4    |
| GE 1800               | 29.9                        | 61.9    | 62.1    | 62.1    | 62.4    | 62.4        | 62.7    | 62.7        | 62.7        | 62.9    | 62.9      | 62.9      | 63.0      | 63.1      | 63.3      | 63.5    |
| GE 1500               | 31.6                        | 65.1    | 65.4    | 65.4    | 65.7    | 65.7        | 66.0    | 66.0        | 66.0        | 66.3    | 66.3      | 66.3      | 66.4      | 66.6      | 66.7      | 66.9    |
| GE 1200               | 35.6                        | 74.1    | 74.9    | 74.9    | 75.8    | 75.8        | 76.4    | 76.4        | 76.4        | 76.8    | 76.8      | 76.8      | 77.1      | 77.2      | 77.4      | 77.5    |
| GE 1000               | 38.7                        | 82.1    | 83.6    | 83.6    | 85.1    | 85.1        | 86.0    | 86.1        | 86.1        | 86.9    | 86.9      | 86.9      | 87.2      | 87.3      | 87.5      | 87.7    |
| GE 900                | 38.9                        | 82.4    | 83.8    | 83.8    | 85.4    | 85.4        | 86.4    | 86.5        | 86.5        | 87.3    | 87.3      | 87.3      | 87.6      | 87.7      | 87.9      | 88.1    |
| GE 800                | 39.2                        | 83.2    | 84.7    | 84.7    | 86.8    | 86.8        | 87.7    | 87.9        | 87.9        | 88.8    | 88.8      | 88.8      | 89.1      | 89.3      | 89.5      | 89.7    |
| GE 700                | 39.8                        | 85.2    | 86.9    | 86.9    | 89.5    | 89.5        | 90.7    | 90.9        | 90.9        | 91.9    | 91.9      | 91.9      | 92.3      | 92.4      | 92.7      | 92.9    |
| GE 600                | 39.9                        | 85.5    | 87.2    | 87.2    | 89.9    | 90.0        | 91.3    | 91.5        | 91.5        | 92.5    | 92.6      | 92.6      | 92.9      | 93.0      | 93.3      | 93.5    |
| GE 500                | 40.0                        | 85.7    | 87.5    | 87.5    | 90.4    | 90.5        | 91.8    | 92.1        | 92.1        | 93.2    | 93.3      | 93.3      | 93.7      | 93.8      | 94.1      | 94.3    |
| GE 400                | 40.3                        | 86.5    | 88.3    | 88.3    | 91.5    | 91.6        | 93.2    | 93.5        | 93.5        | 95.2    | 95.2      | 95.2      | 95.8      | 96.0      | 96.3      | 96.5    |
| GE 300                | 40.3                        | 86.6    | 88.4    | 88.4    | 91.5    | 91.6        | 93.3    | 93.5        | 93.5        | 95.4    | 95.5      | 95.5      | 96.2      | 96.3      | 96.9      | 97.2    |
| GE 200                | 40.4                        | 86.6    | 88.5    | 88.5    | 91.6    | 91.7        | 93.3    | 93.6        | 93.7        | 95.5    | 95.6      | 95.7      | 96.8      | 96.9      | 98.0      | 98.5    |
| GE 100                | 40.5                        | 86.8    | 88.6    | 88.6    | 91.7    | 91.8        | 93.5    | 93.7        | 93.8        | 95.7    | 95.7      | 95.8      | 97.0      | 97.2      | 98.5      | 99.9    |
| GE 000                | 40.5                        | 86.8    | 88.6    | 88.6    | 91.7    | 91.8        | 93.5    | 93.7        | 93.8        | 95.7    | 95.7      | 95.8      | 97.0      | 97.2      | 98.5      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 1639

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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               | 11.6                        | 25.7    | 25.7    | 25.7    | 26.0    | 26.0        | 26.0    | 26.0        | 26.0        | 26.0    | 26.0      | 26.0      | 26.9      | 26.9      | 26.9      | 26.9    |
| GE 20000              | 11.6                        | 26.4    | 26.4    | 26.4    | 26.7    | 26.7        | 26.7    | 26.7        | 26.7        | 26.7    | 26.7      | 26.7      | 27.6      | 27.6      | 27.6      | 27.6    |
| GE 18000              | 11.6                        | 26.4    | 26.4    | 26.4    | 26.7    | 26.7        | 26.7    | 26.7        | 26.7        | 26.7    | 26.7      | 26.7      | 27.6      | 27.6      | 27.6      | 27.6    |
| GE 16000              | 11.6                        | 26.4    | 26.4    | 26.4    | 26.7    | 26.7        | 26.7    | 26.7        | 26.7        | 26.7    | 26.7      | 26.7      | 27.6      | 27.6      | 27.6      | 27.6    |
| GE 14000              | 11.6                        | 26.7    | 26.7    | 26.7    | 26.9    | 26.9        | 26.9    | 26.9        | 26.9        | 26.9    | 26.9      | 26.9      | 27.8      | 27.8      | 27.8      | 27.8    |
| GE 12000              | 11.6                        | 26.7    | 26.7    | 26.7    | 26.9    | 26.9        | 26.9    | 26.9        | 26.9        | 26.9    | 26.9      | 26.9      | 27.8      | 27.8      | 27.8      | 27.8    |
| GE 10000              | 12.5                        | 28.2    | 28.2    | 28.2    | 28.5    | 28.5        | 28.5    | 28.5        | 28.5        | 28.5    | 28.5      | 28.5      | 29.4      | 29.4      | 29.4      | 29.4    |
| GE 9000               | 12.5                        | 28.2    | 28.2    | 28.2    | 28.5    | 28.5        | 28.5    | 28.5        | 28.5        | 28.5    | 28.5      | 28.5      | 29.4      | 29.4      | 29.4      | 29.4    |
| GE 8000               | 12.5                        | 28.7    | 28.7    | 28.7    | 28.9    | 28.9        | 28.9    | 28.9        | 28.9        | 28.9    | 28.9      | 28.9      | 29.8      | 29.8      | 29.8      | 29.8    |
| GE 7000               | 12.5                        | 29.2    | 29.2    | 29.2    | 29.4    | 29.4        | 29.4    | 29.4        | 29.4        | 29.4    | 29.4      | 29.4      | 30.3      | 30.3      | 30.3      | 30.3    |
| GE 6000               | 12.5                        | 30.3    | 30.3    | 30.3    | 30.5    | 30.5        | 30.5    | 30.5        | 30.5        | 30.5    | 30.5      | 30.5      | 31.4      | 31.4      | 31.4      | 31.4    |
| GE 5000               | 13.2                        | 32.1    | 32.1    | 32.1    | 32.3    | 32.3        | 32.3    | 32.3        | 32.3        | 32.3    | 32.3      | 32.3      | 33.3      | 33.3      | 33.3      | 33.3    |
| GE 4500               | 13.2                        | 32.1    | 32.1    | 32.1    | 32.3    | 32.3        | 32.3    | 32.3        | 32.3        | 32.3    | 32.3      | 32.3      | 33.3      | 33.3      | 33.3      | 33.3    |
| GE 4000               | 13.2                        | 32.3    | 32.3    | 32.3    | 32.6    | 32.6        | 32.6    | 32.6        | 32.6        | 32.6    | 32.6      | 32.6      | 33.5      | 33.5      | 33.5      | 33.5    |
| GE 3500               | 13.2                        | 32.3    | 32.3    | 32.3    | 32.6    | 32.6        | 32.6    | 32.6        | 32.6        | 32.6    | 32.6      | 32.8      | 33.7      | 33.7      | 33.7      | 33.7    |
| GE 3000               | 13.2                        | 33.5    | 33.5    | 33.5    | 33.7    | 33.7        | 33.7    | 33.7        | 33.7        | 33.7    | 33.7      | 33.9      | 34.9      | 34.9      | 34.9      | 34.9    |
| GE 2500               | 14.8                        | 37.1    | 37.4    | 37.4    | 37.6    | 37.6        | 37.6    | 37.6        | 37.6        | 37.6    | 37.6      | 37.8      | 38.7      | 38.7      | 38.7      | 38.7    |
| GE 2000               | 15.5                        | 40.7    | 49.2    | 49.2    | 49.4    | 49.4        | 49.4    | 49.4        | 49.4        | 49.4    | 49.4      | 49.7      | 50.6      | 50.6      | 50.6      | 50.6    |
| GE 1800               | 15.5                        | 49.0    | 49.4    | 49.4    | 49.7    | 49.7        | 49.7    | 49.7        | 49.7        | 49.7    | 49.7      | 49.9      | 50.8      | 50.8      | 50.8      | 50.8    |
| GE 1500               | 16.2                        | 53.8    | 54.2    | 54.2    | 54.4    | 54.4        | 54.4    | 54.4        | 54.4        | 54.4    | 54.4      | 54.7      | 55.6      | 55.6      | 55.6      | 55.6    |
| GE 1200               | 25.3                        | 68.3    | 69.7    | 69.7    | 70.6    | 70.6        | 71.1    | 71.1        | 71.1        | 71.1    | 71.3      | 71.3      | 71.5      | 72.4      | 72.4      | 72.4    |
| GE 1000               | 27.6                        | 82.0    | 83.6    | 83.6    | 85.4    | 85.4        | 85.9    | 85.9        | 85.9        | 86.8    | 86.8      | 87.0      | 88.2      | 88.2      | 88.2      | 88.2    |
| GE 900                | 27.6                        | 82.2    | 83.8    | 83.8    | 85.9    | 85.9        | 86.3    | 86.3        | 86.3        | 87.2    | 87.2      | 87.5      | 88.6      | 88.6      | 88.6      | 88.6    |
| GE 800                | 27.8                        | 83.1    | 84.7    | 84.7    | 87.2    | 87.2        | 87.9    | 87.9        | 87.9        | 89.1    | 89.1      | 89.3      | 90.4      | 90.4      | 90.7      | 90.7    |
| GE 700                | 28.7                        | 85.0    | 87.2    | 87.2    | 90.2    | 90.2        | 90.9    | 90.9        | 90.9        | 92.0    | 92.0      | 92.3      | 93.6      | 93.6      | 93.8      | 93.8    |
| GE 600                | 28.7                        | 85.0    | 87.2    | 87.2    | 90.2    | 90.2        | 90.9    | 90.9        | 90.9        | 92.0    | 92.0      | 92.3      | 93.6      | 93.6      | 93.8      | 93.8    |
| GE 500                | 28.7                        | 85.2    | 87.5    | 87.5    | 90.9    | 90.9        | 92.0    | 92.0        | 92.0        | 93.2    | 93.2      | 93.4      | 94.8      | 94.8      | 95.0      | 95.0    |
| GE 400                | 28.7                        | 85.2    | 87.5    | 87.5    | 90.9    | 90.9        | 92.0    | 92.0        | 92.0        | 94.5    | 94.5      | 94.8      | 96.1      | 96.1      | 96.4      | 96.4    |
| GE 300                | 28.7                        | 85.2    | 87.7    | 87.7    | 91.3    | 91.3        | 92.7    | 92.7        | 92.7        | 95.2    | 95.2      | 95.4      | 96.8      | 96.8      | 97.5      | 97.5    |
| GE 200                | 28.7                        | 85.2    | 87.9    | 87.9    | 91.6    | 91.6        | 92.9    | 92.9        | 92.9        | 95.4    | 95.4      | 95.7      | 97.9      | 97.9      | 98.9      | 98.9    |
| GE 100                | 28.7                        | 85.2    | 87.9    | 87.9    | 91.6    | 91.6        | 92.9    | 92.9        | 92.9        | 95.4    | 95.4      | 95.7      | 97.9      | 97.9      | 99.8      | 100.0   |
| GE 000                | 28.7                        | 85.2    | 87.9    | 87.9    | 91.6    | 91.6        | 92.9    | 92.9        | 92.9        | 95.4    | 95.4      | 95.7      | 97.9      | 97.9      | 99.8      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 439

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
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<br>0 |
| NO CEIL               | 9.3                         | 17.7    | 18.5    | 18.0    | 18.3    | 18.5        | 18.5    | 18.5        | 18.5        | 19.0    | 19.0      | 19.0      | 19.5      | 19.5      | 19.8      | 20.1    |
| GE 20000              | 10.0                        | 18.5    | 18.8    | 18.8    | 19.0    | 19.3        | 19.3    | 19.3        | 19.3        | 19.8    | 19.8      | 19.8      | 20.3      | 20.3      | 20.6      | 20.8    |
| GE 18000              | 10.0                        | 18.8    | 19.0    | 19.0    | 19.3    | 19.5        | 19.5    | 19.5        | 19.5        | 20.1    | 20.1      | 20.1      | 20.6      | 20.6      | 20.8      | 21.1    |
| GE 16000              | 10.0                        | 18.8    | 19.0    | 19.0    | 19.3    | 19.5        | 19.5    | 19.5        | 19.5        | 20.1    | 20.1      | 20.1      | 20.6      | 20.6      | 20.8      | 21.1    |
| GE 14000              | 10.0                        | 19.0    | 19.3    | 19.3    | 19.5    | 19.8        | 19.8    | 19.8        | 19.8        | 20.3    | 20.3      | 20.3      | 20.8      | 20.8      | 21.1      | 21.3    |
| GE 12000              | 10.0                        | 19.0    | 19.3    | 19.3    | 19.5    | 19.8        | 19.8    | 19.8        | 19.8        | 20.3    | 20.3      | 20.3      | 20.8      | 20.8      | 21.1      | 21.3    |
| GE 10000              | 10.5                        | 20.8    | 21.1    | 21.1    | 21.3    | 21.6        | 21.6    | 21.6        | 21.6        | 22.1    | 22.1      | 22.1      | 22.6      | 22.6      | 22.9      | 23.1    |
| GE 9000               | 10.5                        | 20.8    | 21.1    | 21.1    | 21.3    | 21.6        | 21.6    | 21.6        | 21.6        | 22.1    | 22.1      | 22.1      | 22.6      | 22.6      | 22.9      | 23.1    |
| GE 8000               | 10.5                        | 21.1    | 21.3    | 21.3    | 21.6    | 21.9        | 21.9    | 21.9        | 21.9        | 22.4    | 22.4      | 22.4      | 22.9      | 22.9      | 23.1      | 23.4    |
| GE 7000               | 11.1                        | 21.6    | 21.9    | 21.9    | 22.1    | 22.4        | 22.4    | 22.4        | 22.4        | 22.9    | 22.9      | 22.9      | 23.4      | 23.4      | 23.7      | 23.9    |
| GE 6000               | 11.1                        | 22.9    | 23.1    | 23.1    | 23.4    | 23.7        | 23.7    | 23.7        | 23.7        | 24.2    | 24.2      | 24.2      | 24.7      | 24.7      | 24.9      | 25.2    |
| GE 5000               | 12.1                        | 24.4    | 24.7    | 24.7    | 24.9    | 25.2        | 25.2    | 25.2        | 25.2        | 25.7    | 25.7      | 25.7      | 26.2      | 26.2      | 26.5      | 26.7    |
| GE 4500               | 12.1                        | 24.4    | 24.7    | 24.7    | 24.9    | 25.2        | 25.2    | 25.2        | 25.2        | 25.7    | 25.7      | 25.7      | 26.2      | 26.2      | 26.5      | 26.7    |
| GE 4000               | 13.9                        | 27.0    | 27.2    | 27.2    | 27.5    | 27.8        | 27.8    | 27.8        | 27.8        | 28.3    | 28.3      | 28.3      | 28.8      | 28.8      | 29.0      | 29.3    |
| GE 3500               | 13.9                        | 27.0    | 27.2    | 27.2    | 27.5    | 27.8        | 27.8    | 27.8        | 27.8        | 28.3    | 28.3      | 28.3      | 28.8      | 28.8      | 29.0      | 29.3    |
| GE 3000               | 14.1                        | 27.8    | 28.0    | 28.0    | 28.3    | 28.5        | 28.5    | 28.5        | 28.5        | 29.0    | 29.0      | 29.0      | 29.6      | 29.6      | 29.8      | 30.1    |
| GE 2500               | 16.2                        | 32.1    | 32.4    | 32.4    | 32.6    | 32.9        | 32.9    | 32.9        | 32.9        | 33.4    | 33.4      | 33.4      | 33.9      | 33.9      | 34.2      | 34.4    |
| GE 2000               | 17.0                        | 41.6    | 42.2    | 42.2    | 42.4    | 42.7        | 42.7    | 42.7        | 42.7        | 43.2    | 43.2      | 43.2      | 43.7      | 43.7      | 44.0      | 44.2    |
| GE 1800               | 17.0                        | 41.9    | 42.4    | 42.4    | 42.7    | 42.9        | 42.9    | 42.9        | 42.9        | 43.4    | 43.4      | 43.4      | 44.0      | 44.0      | 44.2      | 44.5    |
| GE 1500               | 17.5                        | 46.0    | 46.8    | 46.8    | 47.3    | 47.6        | 47.6    | 47.6        | 47.6        | 48.1    | 48.1      | 48.1      | 48.6      | 48.6      | 48.8      | 49.1    |
| GE 1200               | 23.1                        | 58.6    | 59.4    | 59.4    | 60.7    | 60.9        | 61.4    | 61.4        | 61.4        | 62.2    | 62.2      | 62.2      | 62.7      | 62.7      | 63.0      | 63.2    |
| GE 1000               | 27.0                        | 68.1    | 70.4    | 70.4    | 72.0    | 72.2        | 73.0    | 73.0        | 73.0        | 74.6    | 74.6      | 74.6      | 75.1      | 75.1      | 75.6      | 75.8    |
| GE 900                | 27.2                        | 68.6    | 71.0    | 71.0    | 72.5    | 72.8        | 73.8    | 73.8        | 73.8        | 75.3    | 75.3      | 75.3      | 75.8      | 75.8      | 76.3      | 76.6    |
| GE 800                | 27.8                        | 70.4    | 73.3    | 73.3    | 74.8    | 75.1        | 77.1    | 77.1        | 77.1        | 78.7    | 78.7      | 78.7      | 79.2      | 79.2      | 79.7      | 79.9    |
| GE 700                | 30.1                        | 74.3    | 77.6    | 77.6    | 79.9    | 80.2        | 82.5    | 82.5        | 82.5        | 84.3    | 84.3      | 84.3      | 84.8      | 84.8      | 85.3      | 85.6    |
| GE 600                | 30.3                        | 75.8    | 79.2    | 79.2    | 81.5    | 81.7        | 84.1    | 84.3        | 84.3        | 86.1    | 86.1      | 86.1      | 86.6      | 86.6      | 87.1      | 87.4    |
| GE 500                | 30.8                        | 76.6    | 81.2    | 81.2    | 83.8    | 84.1        | 86.9    | 87.1        | 87.1        | 89.2    | 89.2      | 89.2      | 89.7      | 89.7      | 90.2      | 90.5    |
| GE 400                | 32.1                        | 78.9    | 83.8    | 83.8    | 86.9    | 87.1        | 90.5    | 90.7        | 90.7        | 93.8    | 93.8      | 93.8      | 94.3      | 94.3      | 94.9      | 95.1    |
| GE 300                | 32.1                        | 79.2    | 84.1    | 84.1    | 87.1    | 87.4        | 91.0    | 91.3        | 91.3        | 94.6    | 94.6      | 94.6      | 95.1      | 95.1      | 95.6      | 95.9    |
| GE 200                | 32.1                        | 79.4    | 84.3    | 84.3    | 87.4    | 87.7        | 91.5    | 92.0        | 92.0        | 95.6    | 95.6      | 95.6      | 96.7      | 96.7      | 97.9      | 98.2    |
| GE 100                | 32.1                        | 79.4    | 84.3    | 84.3    | 87.4    | 87.7        | 91.5    | 92.0        | 92.0        | 95.6    | 95.6      | 95.6      | 96.7      | 96.7      | 97.9      | 100.0   |
| GE 000                | 32.1                        | 79.4    | 84.3    | 84.3    | 87.4    | 87.7        | 91.5    | 92.0        | 92.0        | 95.6    | 95.6      | 95.6      | 96.7      | 96.7      | 97.9      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 389

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VFR VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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 | GE<br>0 |
| NO CEIL               | 15.4                        | 25.4    | 25.7    | 25.7    | 25.9    | 25.9        | 25.9    | 25.9        | 25.9        | 25.9    | 25.9      | 25.9      | 26.2      | 26.2      | 26.2      | 26.2    |
| GE 20000              | 15.9                        | 26.9    | 27.1    | 27.1    | 27.4    | 27.4        | 27.4    | 27.4        | 27.4        | 27.4    | 27.4      | 27.4      | 27.6      | 27.6      | 27.6      | 27.6    |
| GE 18000              | 15.9                        | 26.9    | 27.1    | 27.1    | 27.4    | 27.4        | 27.4    | 27.4        | 27.4        | 27.4    | 27.4      | 27.4      | 27.6      | 27.6      | 27.6      | 27.6    |
| GE 16000              | 15.9                        | 26.9    | 27.1    | 27.1    | 27.4    | 27.4        | 27.4    | 27.4        | 27.4        | 27.4    | 27.4      | 27.4      | 27.6      | 27.6      | 27.6      | 27.6    |
| GE 14000              | 15.9                        | 27.6    | 27.9    | 27.9    | 28.1    | 28.1        | 28.1    | 28.1        | 28.1        | 28.1    | 28.1      | 28.1      | 28.4      | 28.4      | 28.4      | 28.4    |
| GE 12000              | 16.1                        | 28.1    | 28.4    | 28.4    | 28.6    | 28.6        | 28.6    | 28.6        | 28.6        | 28.6    | 28.6      | 28.6      | 28.9      | 28.9      | 28.9      | 28.9    |
| GE 10000              | 18.6                        | 31.8    | 32.0    | 32.0    | 32.3    | 32.3        | 32.3    | 32.3        | 32.3        | 32.3    | 32.3      | 32.3      | 32.5      | 32.5      | 32.5      | 32.5    |
| GE 9000               | 18.6                        | 31.8    | 32.0    | 32.0    | 32.3    | 32.3        | 32.3    | 32.3        | 32.3        | 32.3    | 32.3      | 32.3      | 32.5      | 32.5      | 32.5      | 32.5    |
| GE 8000               | 18.8                        | 32.3    | 32.5    | 32.5    | 32.8    | 32.8        | 32.8    | 32.8        | 32.8        | 32.8    | 32.8      | 32.8      | 33.0      | 33.0      | 33.0      | 33.0    |
| GE 7000               | 19.8                        | 34.0    | 34.2    | 34.2    | 34.5    | 34.5        | 34.5    | 34.5        | 34.5        | 34.5    | 34.5      | 34.5      | 34.7      | 34.7      | 34.7      | 34.7    |
| GE 6000               | 19.8                        | 34.2    | 34.5    | 34.5    | 34.7    | 34.7        | 34.7    | 34.7        | 34.7        | 34.7    | 34.7      | 34.7      | 35.0      | 35.0      | 35.0      | 35.0    |
| GE 5000               | 21.8                        | 38.4    | 38.6    | 38.6    | 38.9    | 38.9        | 38.9    | 38.9        | 38.9        | 38.9    | 38.9      | 38.9      | 39.1      | 39.1      | 39.1      | 39.1    |
| GE 4500               | 21.8                        | 38.4    | 38.6    | 38.6    | 38.9    | 38.9        | 38.9    | 38.9        | 38.9        | 38.9    | 38.9      | 38.9      | 39.1      | 39.1      | 39.1      | 39.1    |
| GE 4000               | 22.5                        | 41.1    | 41.3    | 41.3    | 41.8    | 41.8        | 41.8    | 41.8        | 41.8        | 41.8    | 41.8      | 41.8      | 42.1      | 42.1      | 42.1      | 42.1    |
| GE 3500               | 22.5                        | 41.3    | 41.6    | 41.6    | 42.1    | 42.1        | 42.1    | 42.1        | 42.1        | 42.1    | 42.1      | 42.1      | 42.3      | 42.3      | 42.3      | 42.3    |
| GE 3000               | 23.5                        | 42.8    | 43.0    | 43.0    | 43.5    | 43.5        | 43.5    | 43.5        | 43.5        | 43.5    | 43.5      | 43.5      | 43.8      | 43.8      | 43.8      | 43.8    |
| GE 2500               | 25.2                        | 47.2    | 47.9    | 47.9    | 48.7    | 48.9        | 48.9    | 48.9        | 48.9        | 48.9    | 48.9      | 48.9      | 49.1      | 49.1      | 49.1      | 49.1    |
| GE 2000               | 26.2                        | 56.5    | 57.2    | 57.2    | 57.9    | 58.2        | 58.2    | 58.2        | 58.2        | 58.2    | 58.2      | 58.2      | 58.4      | 58.4      | 58.4      | 58.4    |
| GE 1800               | 26.2                        | 56.7    | 57.5    | 57.5    | 58.2    | 58.4        | 58.4    | 58.4        | 58.4        | 58.4    | 58.4      | 58.4      | 58.7      | 58.7      | 58.7      | 58.7    |
| GE 1500               | 26.7                        | 58.9    | 59.7    | 59.7    | 60.4    | 60.6        | 60.6    | 60.6        | 60.6        | 60.6    | 60.6      | 60.6      | 60.9      | 60.9      | 60.9      | 60.9    |
| GE 1200               | 33.7                        | 71.9    | 72.9    | 72.9    | 73.8    | 74.1        | 74.1    | 74.1        | 74.1        | 74.1    | 74.1      | 74.1      | 74.6      | 74.6      | 74.6      | 74.6    |
| GE 1000               | 39.4                        | 83.4    | 86.1    | 86.1    | 87.0    | 87.3        | 87.3    | 87.3        | 87.3        | 87.3    | 87.3      | 87.3      | 87.8      | 87.8      | 87.8      | 87.8    |
| GE 900                | 39.4                        | 83.6    | 86.3    | 86.3    | 87.3    | 87.5        | 87.5    | 87.5        | 87.5        | 87.5    | 87.5      | 87.5      | 88.0      | 88.0      | 88.0      | 88.0    |
| GE 800                | 39.6                        | 85.1    | 88.3    | 88.3    | 89.7    | 90.0        | 90.7    | 91.0        | 91.0        | 91.0    | 91.0      | 91.0      | 91.4      | 91.4      | 91.4      | 91.4    |
| GE 700                | 40.3                        | 87.0    | 90.7    | 90.7    | 92.2    | 92.4        | 93.2    | 93.4        | 93.4        | 93.4    | 93.4      | 93.4      | 93.9      | 93.9      | 93.9      | 93.9    |
| GE 600                | 40.3                        | 87.8    | 91.4    | 91.4    | 93.4    | 93.6        | 94.4    | 94.6        | 94.6        | 94.6    | 94.6      | 94.6      | 95.1      | 95.1      | 95.1      | 95.1    |
| GE 500                | 40.8                        | 88.8    | 92.4    | 92.4    | 94.6    | 94.9        | 95.6    | 95.8        | 95.8        | 95.8    | 95.8      | 95.8      | 96.3      | 96.3      | 96.3      | 96.3    |
| GE 400                | 41.6                        | 90.5    | 94.1    | 94.1    | 96.8    | 97.1        | 98.0    | 98.3        | 98.3        | 98.3    | 98.3      | 98.3      | 98.8      | 98.8      | 98.8      | 98.8    |
| GE 300                | 41.6                        | 90.5    | 94.1    | 94.1    | 96.8    | 97.1        | 98.0    | 98.3        | 98.3        | 98.3    | 98.3      | 98.3      | 98.8      | 98.8      | 98.8      | 98.8    |
| GE 200                | 41.6                        | 90.5    | 94.1    | 94.1    | 96.8    | 97.1        | 98.3    | 98.5        | 98.5        | 98.5    | 98.5      | 98.5      | 99.3      | 99.3      | 99.5      | 99.5    |
| GE 100                | 41.6                        | 90.5    | 94.1    | 94.1    | 96.8    | 97.1        | 98.3    | 98.5        | 98.5        | 98.5    | 98.5      | 98.5      | 99.3      | 99.3      | 100.0     | 100.0   |
| GE 000                | 41.6                        | 90.5    | 94.1    | 94.1    | 96.8    | 97.1        | 98.3    | 98.5        | 98.5        | 98.5    | 98.5      | 98.5      | 99.3      | 99.3      | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 409

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
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               | 13.9                        | 24.7    | 24.7    | 24.7    | 24.9    | 25.2        | 25.2    | 25.4        | 25.4        | 25.4    | 25.4      | 25.4      | 25.4      | 25.6      | 25.6      | 26.1    | 26.1 |
| GE 20000              | 15.1                        | 27.1    | 27.1    | 27.1    | 27.3    | 27.5        | 27.5    | 27.8        | 27.8        | 27.8    | 27.8      | 27.8      | 28.0      | 28.0      | 28.5      | 28.5    |      |
| GE 18000              | 15.1                        | 27.5    | 27.8    | 27.8    | 28.0    | 28.2        | 28.2    | 28.5        | 28.5        | 28.5    | 28.5      | 28.5      | 28.7      | 28.7      | 29.2      | 29.2    |      |
| GE 16000              | 15.1                        | 27.5    | 27.8    | 27.8    | 28.0    | 28.2        | 28.2    | 28.5        | 28.5        | 28.5    | 28.5      | 28.5      | 28.7      | 28.7      | 29.2      | 29.2    |      |
| GE 14000              | 15.1                        | 27.8    | 28.0    | 28.0    | 28.2    | 28.5        | 28.5    | 28.7        | 28.7        | 28.7    | 28.7      | 28.7      | 28.9      | 28.9      | 29.4      | 29.4    |      |
| GE 12000              | 15.1                        | 27.8    | 28.0    | 28.0    | 28.2    | 28.5        | 28.5    | 28.7        | 28.7        | 28.7    | 28.7      | 28.7      | 28.9      | 28.9      | 29.4      | 29.4    |      |
| GE 10000              | 17.9                        | 31.5    | 32.0    | 32.0    | 32.2    | 32.5        | 32.5    | 32.7        | 32.7        | 32.7    | 32.7      | 32.7      | 32.9      | 32.9      | 33.4      | 33.4    |      |
| GE 9000               | 17.9                        | 31.8    | 32.2    | 32.2    | 32.5    | 32.7        | 32.7    | 32.9        | 32.9        | 32.9    | 32.9      | 32.9      | 33.2      | 33.2      | 33.6      | 33.6    |      |
| GE 8000               | 18.4                        | 33.4    | 33.9    | 33.9    | 34.1    | 34.4        | 34.4    | 34.6        | 34.6        | 34.6    | 34.6      | 34.6      | 34.8      | 34.8      | 35.3      | 35.3    |      |
| GE 7000               | 19.3                        | 34.8    | 35.3    | 35.3    | 35.5    | 35.8        | 35.8    | 36.0        | 36.0        | 36.0    | 36.0      | 36.0      | 36.2      | 36.2      | 36.7      | 36.7    |      |
| GE 6000               | 19.3                        | 34.8    | 35.3    | 35.3    | 35.5    | 35.8        | 35.8    | 36.0        | 36.0        | 36.0    | 36.0      | 36.0      | 36.2      | 36.2      | 36.7      | 36.7    |      |
| GE 5000               | 21.2                        | 38.1    | 38.6    | 38.6    | 38.8    | 39.1        | 39.1    | 39.3        | 39.3        | 39.3    | 39.3      | 39.3      | 39.5      | 39.5      | 40.0      | 40.0    |      |
| GE 4500               | 21.2                        | 38.1    | 38.6    | 38.6    | 38.8    | 39.1        | 39.1    | 39.3        | 39.3        | 39.3    | 39.3      | 39.3      | 39.5      | 39.5      | 40.0      | 40.0    |      |
| GE 4000               | 21.9                        | 39.8    | 40.2    | 40.2    | 40.5    | 40.7        | 40.7    | 40.9        | 40.9        | 40.9    | 40.9      | 40.9      | 41.2      | 41.2      | 41.6      | 41.6    |      |
| GE 3500               | 22.4                        | 40.5    | 40.9    | 40.9    | 41.2    | 41.4        | 41.4    | 41.6        | 41.6        | 41.6    | 41.6      | 41.6      | 41.9      | 41.9      | 42.4      | 42.4    |      |
| GE 3000               | 22.6                        | 40.9    | 41.6    | 41.6    | 41.9    | 42.1        | 42.1    | 42.4        | 42.4        | 42.4    | 42.4      | 42.4      | 42.6      | 42.6      | 43.1      | 43.1    |      |
| GE 2500               | 25.6                        | 46.8    | 47.8    | 47.8    | 48.0    | 48.2        | 48.2    | 48.5        | 48.5        | 48.5    | 48.5      | 48.5      | 48.7      | 48.7      | 49.2      | 49.2    |      |
| GE 2000               | 26.1                        | 57.4    | 58.4    | 58.4    | 58.6    | 58.8        | 58.8    | 59.1        | 59.1        | 59.1    | 59.1      | 59.1      | 59.3      | 59.3      | 59.8      | 59.8    |      |
| GE 1800               | 26.1                        | 57.4    | 58.4    | 58.4    | 58.6    | 58.8        | 58.8    | 59.1        | 59.1        | 59.1    | 59.1      | 59.1      | 59.3      | 59.3      | 59.8      | 59.8    |      |
| GE 1500               | 27.8                        | 61.6    | 62.8    | 62.8    | 63.1    | 63.3        | 63.3    | 63.5        | 63.5        | 63.5    | 63.5      | 63.5      | 63.8      | 63.8      | 64.2      | 64.2    |      |
| GE 1200               | 34.8                        | 73.2    | 75.5    | 75.5    | 76.0    | 76.2        | 76.7    | 76.9        | 76.9        | 76.9    | 76.9      | 76.9      | 77.2      | 77.2      | 77.6      | 77.6    |      |
| GE 1000               | 38.1                        | 82.8    | 85.9    | 85.9    | 87.8    | 88.0        | 88.9    | 89.6        | 89.6        | 89.9    | 89.9      | 89.9      | 90.1      | 90.1      | 90.6      | 90.6    |      |
| GE 900                | 38.1                        | 83.1    | 86.1    | 86.1    | 88.0    | 88.2        | 89.2    | 89.9        | 89.9        | 90.1    | 90.1      | 90.1      | 90.4      | 90.4      | 90.8      | 90.8    |      |
| GE 800                | 38.4                        | 84.5    | 87.8    | 87.8    | 89.9    | 90.1        | 91.1    | 92.0        | 92.0        | 92.2    | 92.2      | 92.2      | 92.5      | 92.5      | 92.9      | 92.9    |      |
| GE 700                | 38.4                        | 84.7    | 88.2    | 88.2    | 90.6    | 90.8        | 92.0    | 92.9        | 92.9        | 93.4    | 93.4      | 93.4      | 93.6      | 93.6      | 94.1      | 94.1    |      |
| GE 600                | 38.4                        | 85.2    | 88.7    | 88.7    | 91.1    | 91.3        | 92.5    | 93.4        | 93.4        | 93.9    | 93.9      | 93.9      | 94.1      | 94.1      | 94.6      | 94.6    |      |
| GE 500                | 38.4                        | 85.2    | 89.2    | 89.2    | 92.0    | 92.2        | 93.4    | 94.6        | 94.6        | 95.5    | 95.5      | 95.5      | 96.0      | 96.0      | 96.5      | 96.5    |      |
| GE 400                | 38.6                        | 85.9    | 89.9    | 89.9    | 93.4    | 93.6        | 94.8    | 96.0        | 96.0        | 96.9    | 96.9      | 96.9      | 97.4      | 97.4      | 97.9      | 97.9    |      |
| GE 300                | 38.6                        | 85.9    | 89.9    | 89.9    | 93.4    | 93.6        | 94.8    | 96.0        | 96.0        | 96.9    | 96.9      | 96.9      | 97.4      | 97.4      | 97.9      | 97.9    |      |
| GE 200                | 38.6                        | 85.1    | 90.1    | 90.1    | 93.6    | 93.9        | 95.1    | 96.2        | 96.2        | 97.2    | 97.2      | 97.4      | 97.4      | 98.4      | 98.4      | 99.1    | 99.1 |
| GE 100                | 38.8                        | 86.4    | 90.4    | 90.4    | 93.9    | 94.1        | 95.3    | 96.5        | 96.5        | 97.4    | 97.6      | 97.6      | 98.6      | 98.6      | 99.3      | 100.0   |      |
| GE 000                | 38.8                        | 86.4    | 90.4    | 90.4    | 93.9    | 94.1        | 95.3    | 96.5        | 96.5        | 97.4    | 97.6      | 97.6      | 98.6      | 98.6      | 99.3      | 100.0   |      |

TOTAL NUMBER OF OBSERVATIONS 425

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
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               | 12.7                        | 23.5    | 23.6    | 23.6    | 23.9    | 24.0        | 24.0    | 24.1        | 24.1        | 24.2    | 24.2      | 24.2      | 24.7      | 24.7      | 24.8      | 24.9    |
| GE 20000              | 13.2                        | 24.8    | 25.0    | 25.0    | 25.2    | 25.3        | 25.3    | 25.4        | 25.4        | 25.5    | 25.5      | 25.5      | 26.0      | 26.0      | 26.2      | 26.2    |
| GE 18000              | 13.2                        | 25.0    | 25.2    | 25.2    | 25.5    | 25.6        | 25.6    | 25.6        | 25.6        | 25.8    | 25.8      | 25.8      | 26.2      | 26.2      | 26.4      | 26.5    |
| GE 16000              | 13.2                        | 25.0    | 25.2    | 25.2    | 25.5    | 25.6        | 25.6    | 25.6        | 25.6        | 25.8    | 25.8      | 25.8      | 26.2      | 26.2      | 26.4      | 26.5    |
| GE 14000              | 13.2                        | 25.4    | 25.6    | 25.6    | 25.8    | 25.9        | 25.9    | 26.0        | 26.0        | 26.1    | 26.1      | 26.1      | 26.6      | 26.6      | 26.8      | 26.8    |
| GE 12000              | 13.2                        | 25.5    | 25.7    | 25.7    | 25.9    | 26.0        | 26.1    | 26.1        | 26.1        | 26.2    | 26.2      | 26.2      | 26.7      | 26.7      | 26.9      | 27.0    |
| GE 10000              | 14.9                        | 28.2    | 28.5    | 28.5    | 28.7    | 28.8        | 28.8    | 28.9        | 28.9        | 29.0    | 29.0      | 29.0      | 29.5      | 29.5      | 29.7      | 29.7    |
| GE 9000               | 14.9                        | 28.3    | 28.5    | 28.5    | 28.8    | 28.9        | 28.9    | 28.9        | 28.9        | 29.1    | 29.1      | 29.1      | 29.5      | 29.5      | 29.7      | 29.8    |
| GE 8000               | 15.1                        | 29.0    | 29.2    | 29.2    | 29.5    | 29.6        | 29.6    | 29.7        | 29.7        | 29.8    | 29.8      | 29.8      | 30.3      | 30.3      | 30.4      | 30.5    |
| GE 7000               | 15.7                        | 30.0    | 30.3    | 30.3    | 30.5    | 30.6        | 30.6    | 30.7        | 30.7        | 30.8    | 30.8      | 30.8      | 31.3      | 31.3      | 31.5      | 31.5    |
| GE 6000               | 15.7                        | 30.7    | 30.9    | 30.9    | 31.2    | 31.3        | 31.3    | 31.3        | 31.3        | 31.5    | 31.5      | 31.5      | 31.9      | 31.9      | 32.1      | 32.2    |
| GE 5000               | 17.1                        | 33.4    | 33.6    | 33.6    | 33.9    | 34.0        | 34.0    | 34.1        | 34.1        | 34.2    | 34.2      | 34.2      | 34.7      | 34.7      | 34.8      | 34.9    |
| GE 4500               | 17.1                        | 33.4    | 33.6    | 33.6    | 33.9    | 34.0        | 34.0    | 34.1        | 34.1        | 34.2    | 34.2      | 34.2      | 34.7      | 34.7      | 34.8      | 34.9    |
| GE 4000               | 17.9                        | 35.1    | 35.4    | 35.4    | 35.7    | 35.8        | 35.8    | 35.9        | 35.9        | 36.0    | 36.0      | 36.0      | 36.5      | 36.5      | 36.6      | 36.7    |
| GE 3500               | 18.0                        | 35.4    | 35.6    | 35.6    | 35.9    | 36.0        | 36.0    | 36.1        | 36.1        | 36.2    | 36.2      | 36.3      | 36.8      | 36.8      | 36.9      | 37.0    |
| GE 3000               | 18.4                        | 36.3    | 36.6    | 36.6    | 36.9    | 37.1        | 37.1    | 37.1        | 37.1        | 37.2    | 37.2      | 37.3      | 37.8      | 37.8      | 38.0      | 38.0    |
| GE 2500               | 20.5                        | 40.9    | 41.5    | 41.5    | 41.8    | 42.0        | 42.0    | 42.1        | 42.1        | 42.2    | 42.2      | 42.2      | 42.7      | 42.7      | 42.9      | 43.0    |
| GE 2000               | 21.2                        | 51.2    | 51.9    | 51.9    | 52.2    | 52.4        | 52.4    | 52.5        | 52.5        | 52.6    | 52.6      | 52.6      | 53.1      | 53.1      | 53.3      | 53.4    |
| GE 1800               | 21.2                        | 51.4    | 52.0    | 52.0    | 52.4    | 52.6        | 52.6    | 52.6        | 52.6        | 52.8    | 52.8      | 52.8      | 53.3      | 53.3      | 53.5      | 53.5    |
| GE 1500               | 22.0                        | 55.2    | 56.0    | 56.0    | 56.4    | 56.6        | 56.6    | 56.7        | 56.7        | 56.8    | 56.8      | 56.9      | 57.3      | 57.3      | 57.5      | 57.6    |
| GE 1200               | 29.3                        | 68.2    | 69.6    | 69.6    | 70.5    | 70.6        | 71.0    | 71.1        | 71.1        | 71.3    | 71.3      | 71.4      | 71.9      | 71.9      | 72.1      | 72.1    |
| GE 1000               | 33.0                        | 79.3    | 81.7    | 81.7    | 83.3    | 83.5        | 84.0    | 84.2        | 84.2        | 84.8    | 84.8      | 84.9      | 85.5      | 85.5      | 85.7      | 85.8    |
| GE 900                | 33.1                        | 79.6    | 82.0    | 82.0    | 83.6    | 83.8        | 84.4    | 84.6        | 84.6        | 85.3    | 85.3      | 85.3      | 85.9      | 85.9      | 86.2      | 86.2    |
| GE 800                | 33.4                        | 81.0    | 83.7    | 83.7    | 85.6    | 85.8        | 86.9    | 87.2        | 87.2        | 87.9    | 87.9      | 88.0      | 88.6      | 88.6      | 88.9      | 88.9    |
| GE 700                | 34.4                        | 82.9    | 86.1    | 86.1    | 88.4    | 88.6        | 89.8    | 90.1        | 90.1        | 90.9    | 90.9      | 91.0      | 91.6      | 91.6      | 91.9      | 92.0    |
| GE 600                | 34.4                        | 83.6    | 86.8    | 86.8    | 89.2    | 89.4        | 90.6    | 90.9        | 90.9        | 91.8    | 91.8      | 91.8      | 92.5      | 92.5      | 92.8      | 92.8    |
| GE 500                | 34.7                        | 84.1    | 87.7    | 87.7    | 90.4    | 90.6        | 92.1    | 92.5        | 92.5        | 93.5    | 93.5      | 93.6      | 94.3      | 94.3      | 94.6      | 94.6    |
| GE 400                | 35.2                        | 85.2    | 88.9    | 88.9    | 92.1    | 92.2        | 93.9    | 94.3        | 94.3        | 95.9    | 95.9      | 96.0      | 96.7      | 96.7      | 97.0      | 97.1    |
| GE 300                | 35.2                        | 85.3    | 89.0    | 89.0    | 92.2    | 92.4        | 94.2    | 94.6        | 94.6        | 96.3    | 96.3      | 96.3      | 97.1      | 97.1      | 97.5      | 97.5    |
| GE 200                | 35.2                        | 85.4    | 89.2    | 89.2    | 92.4    | 92.6        | 94.5    | 94.9        | 94.9        | 96.7    | 96.8      | 96.8      | 98.1      | 98.1      | 98.9      | 98.9    |
| GE 100                | 35.3                        | 85.4    | 89.2    | 89.2    | 92.5    | 92.7        | 94.5    | 95.0        | 95.0        | 96.8    | 96.8      | 96.9      | 98.1      | 98.1      | 99.3      | 100.0   |
| GE 000                | 35.3                        | 85.4    | 89.2    | 89.2    | 92.5    | 92.7        | 94.5    | 95.0        | 95.0        | 96.8    | 96.8      | 96.9      | 98.1      | 98.1      | 99.3      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 1662

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
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               | 12.1                        | 26.2    | 26.7    | 26.7    | 26.9    | 26.9        | 26.9    | 26.9        | 26.9        | 27.2    | 27.2      | 27.2      | 27.4      | 27.4      | 27.7      | 27.7    |
| GE 20000              | 12.4                        | 26.5    | 26.9    | 26.9    | 27.2    | 27.2        | 27.2    | 27.2        | 27.2        | 27.4    | 27.4      | 27.4      | 27.7      | 27.7      | 27.9      | 27.9    |
| GE 18000              | 12.4                        | 26.5    | 26.9    | 26.9    | 27.2    | 27.2        | 27.2    | 27.2        | 27.2        | 27.4    | 27.4      | 27.4      | 27.7      | 27.7      | 27.9      | 27.9    |
| GE 16000              | 12.4                        | 26.5    | 26.9    | 26.9    | 27.2    | 27.2        | 27.2    | 27.2        | 27.2        | 27.4    | 27.4      | 27.4      | 27.7      | 27.7      | 27.9      | 27.9    |
| GE 14000              | 12.4                        | 26.5    | 26.9    | 26.9    | 27.2    | 27.2        | 27.2    | 27.2        | 27.2        | 27.4    | 27.4      | 27.4      | 27.7      | 27.7      | 27.9      | 27.9    |
| GE 12000              | 12.4                        | 26.5    | 26.9    | 26.9    | 27.2    | 27.2        | 27.2    | 27.2        | 27.2        | 27.4    | 27.4      | 27.4      | 27.7      | 27.7      | 27.9      | 27.9    |
| GE 10000              | 12.4                        | 26.7    | 27.2    | 27.2    | 27.4    | 27.4        | 27.4    | 27.4        | 27.4        | 27.7    | 27.7      | 27.7      | 27.9      | 27.9      | 28.2      | 28.2    |
| GE 9000               | 12.4                        | 26.7    | 27.2    | 27.2    | 27.4    | 27.4        | 27.4    | 27.4        | 27.4        | 27.7    | 27.7      | 27.7      | 27.9      | 27.9      | 28.2      | 28.2    |
| GE 8000               | 12.4                        | 26.7    | 27.2    | 27.2    | 27.4    | 27.4        | 27.4    | 27.4        | 27.4        | 27.7    | 27.7      | 27.7      | 27.9      | 27.9      | 28.2      | 28.2    |
| GE 7000               | 12.4                        | 27.9    | 28.4    | 28.4    | 28.6    | 28.6        | 28.6    | 28.6        | 28.6        | 28.9    | 28.9      | 28.9      | 29.1      | 29.1      | 29.4      | 29.4    |
| GE 6000               | 12.4                        | 27.9    | 28.4    | 28.4    | 28.6    | 28.6        | 28.6    | 28.6        | 28.6        | 28.9    | 28.9      | 28.9      | 29.1      | 29.1      | 29.4      | 29.4    |
| GE 5000               | 12.6                        | 29.4    | 29.9    | 29.9    | 30.1    | 30.1        | 30.1    | 30.1        | 30.1        | 30.3    | 30.3      | 30.3      | 30.6      | 30.6      | 30.8      | 30.8    |
| GE 4500               | 12.6                        | 29.4    | 29.9    | 29.9    | 30.1    | 30.1        | 30.1    | 30.1        | 30.1        | 30.3    | 30.3      | 30.3      | 30.6      | 30.6      | 30.8      | 30.8    |
| GE 4000               | 12.9                        | 30.6    | 31.1    | 31.1    | 31.3    | 31.3        | 31.3    | 31.3        | 31.3        | 31.6    | 31.6      | 31.6      | 31.8      | 31.8      | 32.0      | 32.0    |
| GE 3500               | 12.9                        | 30.6    | 31.1    | 31.1    | 31.3    | 31.3        | 31.3    | 31.3        | 31.3        | 31.6    | 31.6      | 31.6      | 31.8      | 31.8      | 32.0      | 32.0    |
| GE 3000               | 12.9                        | 31.8    | 32.3    | 32.3    | 32.5    | 32.5        | 32.5    | 32.5        | 32.5        | 32.8    | 32.8      | 32.8      | 33.0      | 33.0      | 33.3      | 33.3    |
| GE 2500               | 13.6                        | 35.4    | 35.9    | 35.9    | 36.4    | 36.4        | 36.4    | 36.4        | 36.4        | 36.7    | 36.7      | 36.7      | 37.1      | 37.1      | 37.4      | 37.4    |
| GE 2000               | 14.3                        | 42.5    | 43.2    | 43.2    | 43.7    | 43.7        | 43.7    | 43.7        | 43.7        | 43.9    | 43.9      | 43.9      | 44.4      | 44.4      | 44.7      | 44.7    |
| GE 1800               | 14.3                        | 47.5    | 43.2    | 43.2    | 43.7    | 43.7        | 43.7    | 43.7        | 43.7        | 43.9    | 43.9      | 43.9      | 44.4      | 44.4      | 44.7      | 44.7    |
| GE 1500               | 14.8                        | 47.8    | 48.5    | 48.5    | 49.0    | 49.0        | 49.0    | 49.0        | 49.0        | 49.3    | 49.3      | 49.3      | 49.8      | 49.8      | 50.0      | 50.0    |
| GE 1200               | 18.4                        | 64.3    | 66.7    | 66.7    | 68.0    | 68.0        | 68.0    | 68.0        | 68.0        | 68.2    | 68.2      | 68.2      | 68.7      | 68.7      | 68.9      | 68.9    |
| GE 1000               | 22.8                        | 80.8    | 84.0    | 84.0    | 87.1    | 87.1        | 87.4    | 87.4        | 87.4        | 87.6    | 87.6      | 87.6      | 88.1      | 88.1      | 88.6      | 88.6    |
| GE 900                | 22.8                        | 80.8    | 84.0    | 84.0    | 87.1    | 87.1        | 87.6    | 87.6        | 87.6        | 87.9    | 87.9      | 87.9      | 88.3      | 88.3      | 88.8      | 88.8    |
| GE 800                | 23.3                        | 82.0    | 85.4    | 85.4    | 88.8    | 88.8        | 89.6    | 89.8        | 89.8        | 90.0    | 90.0      | 90.0      | 90.5      | 90.5      | 91.0      | 91.0    |
| GE 700                | 23.8                        | 84.2    | 88.1    | 88.1    | 92.0    | 92.0        | 93.0    | 93.4        | 93.4        | 93.7    | 93.7      | 93.7      | 94.2      | 94.2      | 94.7      | 94.7    |
| GE 600                | 23.8                        | 84.5    | 88.3    | 88.3    | 92.2    | 92.2        | 93.2    | 93.7        | 93.7        | 93.9    | 93.9      | 93.9      | 94.4      | 94.4      | 94.9      | 94.9    |
| GE 500                | 23.8                        | 84.7    | 88.6    | 88.6    | 92.5    | 92.5        | 93.4    | 93.9        | 93.9        | 94.2    | 94.2      | 94.2      | 94.7      | 94.7      | 95.1      | 95.1    |
| GE 400                | 23.8                        | 85.4    | 89.6    | 89.6    | 93.7    | 93.7        | 94.7    | 95.1        | 95.1        | 95.6    | 95.6      | 95.6      | 96.4      | 96.4      | 96.8      | 96.8    |
| GE 300                | 23.8                        | 85.4    | 89.6    | 89.6    | 93.9    | 93.9        | 94.9    | 95.4        | 95.4        | 95.9    | 95.9      | 95.9      | 96.6      | 96.6      | 97.1      | 97.1    |
| GE 200                | 23.8                        | 85.7    | 89.8    | 89.8    | 94.2    | 94.2        | 95.1    | 95.6        | 95.6        | 96.1    | 96.1      | 96.1      | 97.6      | 97.6      | 98.1      | 98.1    |
| GE 100                | 23.8                        | 85.7    | 89.8    | 89.8    | 94.2    | 94.2        | 95.1    | 95.6        | 95.6        | 96.1    | 96.1      | 96.4      | 97.8      | 97.8      | 99.0      | 100.0   |
| GE 000                | 23.8                        | 85.7    | 89.8    | 89.8    | 94.2    | 94.2        | 95.1    | 95.6        | 95.6        | 96.1    | 96.1      | 96.4      | 97.8      | 97.8      | 99.0      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 412



OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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               | 10.1                        | 19.7    | 19.7    | 19.7    | 19.7    | 19.7        | 20.0    | 20.0        | 20.0        | 20.7    | 20.9      | 20.9      | 20.9      | 20.9      | 21.4      | 21.7    |
| GE 20000              | 10.1                        | 20.0    | 20.0    | 20.0    | 20.0    | 20.0        | 20.2    | 20.2        | 20.2        | 20.9    | 21.2      | 21.2      | 21.2      | 21.2      | 21.7      | 21.9    |
| GE 18000              | 10.1                        | 20.2    | 20.2    | 20.2    | 20.2    | 20.2        | 20.4    | 20.4        | 20.4        | 21.2    | 21.4      | 21.4      | 21.4      | 21.4      | 21.9      | 22.2    |
| GE 16000              | 10.1                        | 20.2    | 20.2    | 20.2    | 20.2    | 20.2        | 20.4    | 20.4        | 20.4        | 21.2    | 21.4      | 21.4      | 21.4      | 21.4      | 21.9      | 22.2    |
| GE 14000              | 10.1                        | 20.4    | 20.4    | 20.4    | 20.4    | 20.4        | 20.7    | 20.7        | 20.7        | 21.4    | 21.7      | 21.7      | 21.7      | 21.7      | 22.2      | 22.4    |
| GE 12000              | 10.1                        | 20.4    | 20.4    | 20.4    | 20.4    | 20.4        | 20.7    | 20.7        | 20.7        | 21.4    | 21.7      | 21.7      | 21.7      | 21.7      | 22.2      | 22.4    |
| GE 10000              | 10.6                        | 21.4    | 21.4    | 21.4    | 21.4    | 21.4        | 21.7    | 21.7        | 21.7        | 22.4    | 22.7      | 22.7      | 22.7      | 22.7      | 23.2      | 23.4    |
| GE 9000               | 10.6                        | 21.4    | 21.4    | 21.4    | 21.4    | 21.4        | 21.7    | 21.7        | 21.7        | 22.4    | 22.7      | 22.7      | 22.7      | 22.7      | 23.2      | 23.4    |
| GE 8000               | 10.6                        | 21.7    | 21.7    | 21.7    | 21.7    | 21.7        | 21.9    | 21.9        | 21.9        | 22.7    | 22.9      | 22.9      | 22.9      | 22.9      | 23.4      | 23.6    |
| GE 7000               | 10.6                        | 22.2    | 22.2    | 22.2    | 22.2    | 22.2        | 22.4    | 22.4        | 22.4        | 23.2    | 23.4      | 23.4      | 23.4      | 23.4      | 23.9      | 24.1    |
| GE 6000               | 10.6                        | 22.4    | 22.4    | 22.4    | 22.4    | 22.4        | 22.7    | 22.7        | 22.7        | 23.4    | 23.6      | 23.6      | 23.6      | 23.6      | 24.1      | 24.4    |
| GE 5000               | 10.8                        | 23.4    | 23.6    | 23.6    | 23.6    | 23.6        | 24.1    | 24.1        | 24.1        | 24.9    | 25.1      | 25.1      | 25.1      | 25.1      | 25.6      | 25.9    |
| GE 4500               | 10.8                        | 23.4    | 23.6    | 23.6    | 23.6    | 23.6        | 24.1    | 24.1        | 24.1        | 24.9    | 25.1      | 25.1      | 25.1      | 25.1      | 25.6      | 25.9    |
| GE 4000               | 10.8                        | 25.1    | 25.4    | 25.4    | 25.4    | 25.4        | 25.9    | 25.9        | 25.9        | 26.6    | 26.8      | 26.8      | 26.8      | 26.8      | 27.3      | 27.6    |
| GE 3500               | 10.8                        | 25.1    | 25.4    | 25.4    | 25.4    | 25.4        | 25.9    | 25.9        | 25.9        | 26.6    | 26.8      | 26.8      | 26.8      | 26.8      | 27.3      | 27.6    |
| GE 3000               | 11.3                        | 26.1    | 26.4    | 26.4    | 26.4    | 26.4        | 26.8    | 26.8        | 26.8        | 27.6    | 27.8      | 27.8      | 27.8      | 27.8      | 28.3      | 28.6    |
| GE 2500               | 12.8                        | 31.0    | 31.3    | 31.3    | 31.3    | 31.3        | 31.8    | 31.8        | 31.8        | 32.5    | 32.8      | 32.8      | 33.0      | 33.0      | 33.5      | 33.7    |
| GE 2000               | 13.3                        | 37.4    | 37.9    | 37.9    | 37.9    | 37.9        | 38.4    | 38.4        | 38.4        | 39.2    | 39.7      | 39.7      | 39.9      | 39.9      | 40.4      | 40.6    |
| GE 1800               | 13.3                        | 37.4    | 37.9    | 37.9    | 37.9    | 37.9        | 38.4    | 38.4        | 38.4        | 39.2    | 39.7      | 39.7      | 39.9      | 39.9      | 40.4      | 40.6    |
| GE 1500               | 14.3                        | 44.3    | 45.3    | 45.3    | 45.3    | 45.6        | 46.1    | 46.1        | 46.1        | 46.8    | 47.3      | 47.3      | 47.5      | 47.5      | 48.0      | 48.3    |
| GE 1200               | 19.5                        | 56.7    | 58.1    | 58.1    | 58.9    | 59.4        | 60.6    | 60.6        | 60.6        | 61.3    | 61.8      | 61.8      | 62.1      | 62.1      | 62.6      | 62.8    |
| GE 1000               | 23.4                        | 69.0    | 71.7    | 71.7    | 75.4    | 75.9        | 77.1    | 77.1        | 77.1        | 78.1    | 78.8      | 78.8      | 79.3      | 79.3      | 80.0      | 80.3    |
| GE 900                | 23.6                        | 69.2    | 71.9    | 71.9    | 75.6    | 76.1        | 77.3    | 77.3        | 77.3        | 78.6    | 79.3      | 79.3      | 79.8      | 79.8      | 80.5      | 80.8    |
| GE 800                | 24.1                        | 71.2    | 74.1    | 74.1    | 78.3    | 78.8        | 80.3    | 80.3        | 80.3        | 81.8    | 82.8      | 82.8      | 83.5      | 83.5      | 84.5      | 84.7    |
| GE 700                | 24.1                        | 73.4    | 76.6    | 76.6    | 81.0    | 81.8        | 83.3    | 83.5        | 83.5        | 85.7    | 86.7      | 86.7      | 87.4      | 87.4      | 88.4      | 88.7    |
| GE 600                | 24.1                        | 73.4    | 76.6    | 76.6    | 81.0    | 81.8        | 83.3    | 83.5        | 83.5        | 85.7    | 86.7      | 86.7      | 87.4      | 87.4      | 88.4      | 88.7    |
| GE 500                | 24.1                        | 74.1    | 77.3    | 77.3    | 82.0    | 82.8        | 84.7    | 85.5        | 85.5        | 87.9    | 88.9      | 88.9      | 89.9      | 89.9      | 91.1      | 91.4    |
| GE 400                | 25.1                        | 76.4    | 79.8    | 79.8    | 85.0    | 85.7        | 88.7    | 89.4        | 89.4        | 92.9    | 94.1      | 94.1      | 95.1      | 95.1      | 96.3      | 96.6    |
| GE 300                | 25.1                        | 76.4    | 79.8    | 79.8    | 85.0    | 85.7        | 88.7    | 89.4        | 89.4        | 93.1    | 94.3      | 94.3      | 95.6      | 95.6      | 96.8      | 97.0    |
| GE 200                | 25.1                        | 76.4    | 79.8    | 79.8    | 85.0    | 85.7        | 88.7    | 89.4        | 89.4        | 93.1    | 94.3      | 94.3      | 96.3      | 96.3      | 97.5      | 97.8    |
| GE 100                | 25.1                        | 76.4    | 79.8    | 79.8    | 85.0    | 85.7        | 88.7    | 89.4        | 89.4        | 93.1    | 94.3      | 94.3      | 96.3      | 96.3      | 97.8      | 99.8    |
| GE 000                | 25.1                        | 76.4    | 79.8    | 79.8    | 85.0    | 85.7        | 88.7    | 89.4        | 89.4        | 93.1    | 94.3      | 94.3      | 96.3      | 96.3      | 97.8      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 406

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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               | 13.1                        | 20.7    | 20.9    | 20.9    | 21.2    | 21.2        | 21.2    | 21.2        | 21.2        | 21.2    | 21.2      | 21.2      | 21.2      | 21.4      | 21.4      | 21.4    | 21.4  |
| GE 20000              | 13.8                        | 22.2    | 22.4    | 22.4    | 22.9    | 22.9        | 22.9    | 22.9        | 22.9        | 22.9    | 22.9      | 22.9      | 23.2      | 23.2      | 23.2      | 23.2    | 23.2  |
| GE 18000              | 13.8                        | 22.4    | 22.7    | 22.7    | 23.2    | 23.2        | 23.2    | 23.2        | 23.2        | 23.2    | 23.2      | 23.2      | 23.4      | 23.4      | 23.4      | 23.4    | 23.4  |
| GE 16000              | 13.8                        | 22.4    | 22.7    | 22.7    | 23.2    | 23.2        | 23.2    | 23.2        | 23.2        | 23.2    | 23.2      | 23.2      | 23.4      | 23.4      | 23.4      | 23.4    | 23.4  |
| GE 14000              | 13.8                        | 22.4    | 22.7    | 22.7    | 23.2    | 23.2        | 23.2    | 23.2        | 23.2        | 23.2    | 23.2      | 23.2      | 23.4      | 23.4      | 23.4      | 23.4    | 23.4  |
| GE 12000              | 13.8                        | 22.4    | 22.7    | 22.7    | 23.2    | 23.2        | 23.2    | 23.2        | 23.2        | 23.2    | 23.2      | 23.2      | 23.4      | 23.4      | 23.4      | 23.4    | 23.4  |
| GE 10000              | 14.8                        | 23.9    | 24.1    | 24.1    | 24.6    | 24.6        | 24.6    | 24.6        | 24.6        | 24.6    | 24.6      | 24.6      | 24.9      | 24.9      | 24.9      | 24.9    | 24.9  |
| GE 9000               | 14.8                        | 23.9    | 24.1    | 24.1    | 24.6    | 24.6        | 24.6    | 24.6        | 24.6        | 24.6    | 24.6      | 24.6      | 24.9      | 24.9      | 24.9      | 24.9    | 24.9  |
| GE 8000               | 14.8                        | 23.9    | 24.1    | 24.1    | 24.6    | 24.6        | 24.6    | 24.6        | 24.6        | 24.6    | 24.6      | 24.6      | 24.9      | 24.9      | 24.9      | 24.9    | 24.9  |
| GE 7000               | 15.3                        | 24.9    | 25.1    | 25.1    | 25.6    | 25.6        | 25.6    | 25.6        | 25.6        | 25.6    | 25.6      | 25.6      | 25.9      | 25.9      | 25.9      | 25.9    | 25.9  |
| GE 6000               | 15.3                        | 25.4    | 25.6    | 25.6    | 26.1    | 26.1        | 26.1    | 26.1        | 26.1        | 26.1    | 26.1      | 26.1      | 26.4      | 26.4      | 26.4      | 26.4    | 26.4  |
| GE 5000               | 16.5                        | 27.3    | 27.6    | 27.6    | 28.1    | 28.1        | 28.1    | 28.1        | 28.1        | 28.1    | 28.1      | 28.1      | 28.3      | 28.3      | 28.3      | 28.3    | 28.3  |
| GE 4500               | 16.5                        | 27.3    | 27.6    | 27.6    | 28.1    | 28.1        | 28.1    | 28.1        | 28.1        | 28.1    | 28.1      | 28.1      | 28.3      | 28.3      | 28.3      | 28.3    | 28.3  |
| GE 4000               | 17.0                        | 28.8    | 29.1    | 29.1    | 29.6    | 29.6        | 29.6    | 29.6        | 29.6        | 29.6    | 29.6      | 29.6      | 29.8      | 29.8      | 29.8      | 29.8    | 29.8  |
| GE 3500               | 17.0                        | 28.8    | 29.1    | 29.1    | 29.6    | 29.6        | 29.6    | 29.6        | 29.6        | 29.6    | 29.6      | 29.6      | 29.8      | 29.8      | 29.8      | 29.8    | 29.8  |
| GE 3000               | 17.5                        | 31.3    | 31.5    | 31.5    | 32.0    | 32.0        | 32.0    | 32.0        | 32.0        | 32.0    | 32.0      | 32.0      | 32.3      | 32.3      | 32.3      | 32.3    | 32.3  |
| GE 2500               | 20.0                        | 37.2    | 37.4    | 37.4    | 37.9    | 37.9        | 37.9    | 37.9        | 37.9        | 37.9    | 37.9      | 37.9      | 38.2      | 38.2      | 38.2      | 38.2    | 38.2  |
| GE 2000               | 20.4                        | 44.6    | 45.3    | 45.3    | 45.8    | 45.8        | 45.8    | 45.8        | 45.8        | 45.8    | 45.8      | 45.8      | 46.1      | 46.1      | 46.1      | 46.1    | 46.1  |
| GE 1800               | 20.4                        | 44.6    | 45.3    | 45.3    | 45.8    | 45.8        | 45.8    | 45.8        | 45.8        | 45.8    | 45.8      | 45.8      | 46.1      | 46.1      | 46.1      | 46.1    | 46.1  |
| GE 1500               | 21.4                        | 52.0    | 53.0    | 53.0    | 53.4    | 53.4        | 53.4    | 53.4        | 53.4        | 53.4    | 53.4      | 53.4      | 53.7      | 53.7      | 53.7      | 53.7    | 53.7  |
| GE 1200               | 27.3                        | 66.7    | 68.7    | 68.7    | 69.7    | 69.7        | 70.4    | 70.4        | 70.7        | 70.7    | 70.7      | 70.7      | 70.9      | 70.9      | 70.9      | 70.9    | 70.9  |
| GE 1000               | 30.5                        | 78.3    | 81.3    | 81.3    | 82.8    | 82.8        | 84.0    | 84.0        | 84.2        | 84.2    | 84.5      | 84.5      | 84.7      | 84.7      | 84.7      | 84.7    | 85.0  |
| GE 900                | 30.8                        | 78.6    | 81.5    | 81.5    | 83.0    | 83.0        | 84.2    | 84.2        | 84.5        | 84.5    | 84.7      | 84.7      | 85.0      | 85.0      | 85.0      | 85.0    | 85.2  |
| GE 800                | 32.0                        | 81.3    | 84.7    | 84.7    | 86.5    | 86.5        | 87.9    | 88.4        | 88.7        | 88.7    | 88.9      | 88.9      | 89.2      | 89.2      | 89.2      | 89.2    | 89.4  |
| GE 700                | 32.8                        | 83.5    | 87.2    | 87.2    | 89.2    | 89.4        | 90.9    | 91.4        | 91.6        | 91.9    | 92.1      | 92.1      | 92.4      | 92.4      | 92.4      | 92.4    | 92.6  |
| GE 600                | 33.0                        | 84.5    | 88.4    | 88.4    | 90.6    | 90.9        | 92.6    | 93.1        | 93.3        | 93.6    | 93.8      | 93.8      | 94.1      | 94.1      | 94.1      | 94.1    | 94.3  |
| GE 500                | 33.3                        | 84.7    | 88.9    | 88.9    | 91.4    | 91.6        | 93.6    | 94.1        | 94.3        | 95.1    | 95.3      | 95.3      | 95.6      | 95.6      | 95.6      | 95.6    | 95.8  |
| GE 400                | 33.7                        | 86.5    | 90.9    | 90.9    | 93.6    | 93.8        | 96.3    | 96.8        | 97.0        | 98.0    | 98.5      | 98.5      | 99.0      | 99.0      | 99.0      | 99.0    | 99.3  |
| GE 300                | 33.7                        | 86.5    | 90.9    | 90.9    | 93.6    | 93.8        | 96.3    | 96.8        | 97.0        | 98.0    | 98.5      | 98.5      | 99.0      | 99.3      | 99.3      | 99.3    | 99.5  |
| GE 200                | 33.7                        | 86.5    | 90.9    | 90.9    | 93.6    | 93.8        | 96.3    | 96.8        | 97.0        | 98.0    | 98.5      | 98.5      | 99.3      | 99.5      | 99.5      | 99.5    | 99.8  |
| GE 100                | 33.7                        | 86.5    | 90.9    | 90.9    | 93.6    | 93.8        | 96.3    | 96.8        | 97.0        | 98.0    | 98.5      | 98.5      | 99.3      | 99.5      | 99.5      | 99.8    | 100.0 |
| GE 000                | 33.7                        | 86.5    | 90.9    | 90.9    | 93.6    | 93.8        | 96.3    | 96.8        | 97.0        | 98.0    | 98.5      | 98.5      | 99.3      | 99.5      | 99.5      | 99.8    | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 406

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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               | 12.3                        | 20.5    | 20.5    | 20.5    | 20.8    | 20.8        | 20.8    | 20.8        | 20.8        | 20.8    | 20.8      | 20.8      | 20.8      | 20.8      | 21.0      | 21.2    |
| GE 20000              | 13.0                        | 21.5    | 21.5    | 21.5    | 21.7    | 21.7        | 21.7    | 21.7        | 21.7        | 21.7    | 21.7      | 21.7      | 21.7      | 21.7      | 21.9      | 22.2    |
| GE 18000              | 13.0                        | 21.5    | 21.5    | 21.5    | 21.7    | 21.7        | 21.7    | 21.7        | 21.7        | 21.7    | 21.7      | 21.7      | 21.7      | 21.7      | 21.9      | 22.2    |
| GE 16000              | 13.0                        | 21.5    | 21.5    | 21.5    | 21.7    | 21.7        | 21.7    | 21.7        | 21.7        | 21.7    | 21.7      | 21.7      | 21.7      | 21.7      | 21.9      | 22.2    |
| GE 14000              | 13.0                        | 21.7    | 21.7    | 21.7    | 21.9    | 21.9        | 21.9    | 21.9        | 21.9        | 21.9    | 21.9      | 21.9      | 21.9      | 21.9      | 22.2      | 22.4    |
| GE 12000              | 13.0                        | 21.7    | 21.7    | 21.7    | 21.9    | 21.9        | 21.9    | 21.9        | 21.9        | 21.9    | 21.9      | 21.9      | 21.9      | 21.9      | 22.2      | 22.4    |
| GE 10000              | 14.4                        | 23.8    | 23.8    | 23.8    | 24.1    | 24.1        | 24.1    | 24.1        | 24.1        | 24.1    | 24.1      | 24.1      | 24.1      | 24.1      | 24.3      | 24.5    |
| GE 9000               | 14.4                        | 23.8    | 23.8    | 23.8    | 24.1    | 24.1        | 24.1    | 24.1        | 24.1        | 24.1    | 24.1      | 24.1      | 24.1      | 24.1      | 24.3      | 24.5    |
| GE 8000               | 14.4                        | 24.1    | 24.1    | 24.1    | 24.3    | 24.3        | 24.3    | 24.3        | 24.3        | 24.3    | 24.3      | 24.3      | 24.3      | 24.3      | 24.5      | 24.8    |
| GE 7000               | 14.9                        | 24.5    | 24.5    | 24.5    | 24.8    | 24.8        | 24.8    | 24.8        | 24.8        | 24.8    | 24.8      | 24.8      | 24.8      | 24.8      | 25.0      | 25.2    |
| GE 6000               | 14.9                        | 24.8    | 24.8    | 24.8    | 25.0    | 25.0        | 25.0    | 25.0        | 25.0        | 25.0    | 25.0      | 25.0      | 25.0      | 25.0      | 25.2      | 25.5    |
| GE 5000               | 15.8                        | 26.9    | 26.9    | 26.9    | 27.1    | 27.1        | 27.1    | 27.1        | 27.1        | 27.1    | 27.1      | 27.1      | 27.1      | 27.1      | 27.4      | 27.6    |
| GE 4500               | 15.8                        | 26.9    | 26.9    | 26.9    | 27.1    | 27.1        | 27.1    | 27.1        | 27.1        | 27.1    | 27.1      | 27.1      | 27.1      | 27.1      | 27.4      | 27.6    |
| GE 4000               | 16.0                        | 28.5    | 28.5    | 28.5    | 28.8    | 28.8        | 28.8    | 28.8        | 28.8        | 28.8    | 28.8      | 28.8      | 28.8      | 28.8      | 29.0      | 29.2    |
| GE 3500               | 16.0                        | 28.5    | 28.5    | 28.5    | 28.8    | 28.8        | 28.8    | 28.8        | 28.8        | 28.8    | 28.8      | 28.8      | 28.8      | 28.8      | 29.0      | 29.2    |
| GE 3000               | 16.3                        | 29.5    | 29.5    | 29.5    | 29.7    | 29.7        | 29.7    | 29.7        | 29.7        | 29.7    | 29.7      | 29.7      | 29.7      | 29.7      | 30.0      | 30.2    |
| GE 2500               | 17.9                        | 34.0    | 34.0    | 34.0    | 34.2    | 34.2        | 34.2    | 34.2        | 34.2        | 34.2    | 34.2      | 34.2      | 34.2      | 34.2      | 34.4      | 34.7    |
| GE 2000               | 18.9                        | 42.0    | 42.2    | 42.2    | 42.7    | 42.7        | 42.7    | 42.7        | 42.7        | 42.7    | 42.7      | 42.7      | 42.7      | 42.7      | 42.9      | 43.2    |
| GE 1800               | 18.9                        | 42.0    | 42.2    | 42.2    | 42.7    | 42.7        | 42.7    | 42.7        | 42.7        | 42.7    | 42.7      | 42.7      | 42.7      | 42.7      | 42.9      | 43.2    |
| GE 1500               | 19.3                        | 46.7    | 46.9    | 46.9    | 47.4    | 47.4        | 47.6    | 47.6        | 47.6        | 47.6    | 47.6      | 47.6      | 47.6      | 47.6      | 47.9      | 48.1    |
| GE 1200               | 27.1                        | 63.9    | 65.1    | 65.1    | 66.0    | 66.0        | 66.7    | 66.7        | 66.7        | 67.0    | 67.2      | 67.2      | 67.2      | 67.2      | 67.5      | 67.7    |
| GE 1000               | 31.4                        | 78.3    | 80.2    | 80.2    | 82.8    | 82.8        | 83.5    | 83.5        | 83.5        | 84.4    | 84.7      | 84.7      | 84.7      | 84.7      | 84.9      | 85.1    |
| GE 900                | 31.4                        | 78.3    | 80.2    | 80.2    | 82.8    | 82.8        | 83.7    | 83.7        | 83.7        | 84.7    | 84.9      | 84.9      | 84.9      | 84.9      | 85.1      | 85.4    |
| GE 800                | 31.8                        | 79.7    | 81.8    | 81.8    | 85.1    | 85.1        | 86.3    | 86.3        | 86.3        | 87.3    | 87.5      | 87.5      | 87.5      | 87.5      | 87.7      | 88.0    |
| GE 700                | 33.3                        | 81.7    | 86.1    | 86.1    | 90.3    | 90.3        | 91.7    | 91.7        | 91.7        | 92.9    | 93.2      | 93.2      | 93.4      | 93.4      | 93.6      | 93.9    |
| GE 600                | 33.3                        | 84.0    | 86.8    | 86.8    | 91.0    | 91.0        | 92.5    | 92.5        | 92.5        | 93.6    | 93.9      | 93.9      | 94.1      | 94.1      | 94.3      | 94.6    |
| GE 500                | 33.5                        | 84.2    | 87.0    | 87.0    | 91.3    | 91.3        | 92.7    | 92.7        | 92.7        | 93.9    | 94.1      | 94.1      | 94.3      | 94.3      | 94.6      | 94.8    |
| GE 400                | 34.0                        | 86.1    | 89.2    | 89.2    | 93.9    | 93.9        | 95.3    | 95.3        | 95.3        | 96.7    | 96.9      | 96.9      | 97.4      | 97.4      | 97.6      | 97.9    |
| GE 300                | 34.0                        | 86.1    | 89.2    | 89.2    | 93.9    | 93.9        | 95.3    | 95.3        | 95.3        | 96.7    | 96.9      | 96.9      | 97.6      | 97.6      | 98.1      | 98.3    |
| GE 200                | 34.0                        | 86.1    | 89.2    | 89.2    | 93.9    | 93.9        | 95.3    | 95.3        | 95.3        | 96.7    | 96.9      | 96.9      | 98.1      | 98.1      | 98.6      | 98.8    |
| GE 100                | 34.0                        | 86.1    | 89.2    | 89.2    | 93.9    | 93.9        | 95.3    | 95.3        | 95.3        | 96.7    | 96.9      | 96.9      | 98.1      | 98.1      | 99.3      | 99.8    |
| GE 000                | 34.0                        | 86.3    | 89.4    | 89.4    | 94.1    | 94.1        | 95.5    | 95.5        | 95.5        | 96.9    | 97.2      | 97.2      | 98.3      | 98.3      | 99.5      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 424

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
LST TO UTC: + 9

PERIOD OF RECORD: JUN 73 - SEP 88  
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               | 11.9                        | 21.8    | 22.0    | 22.0    | 22.1    | 22.1        | 22.2    | 22.2        | 22.2        | 22.5    | 22.5      | 22.5      | 22.6      | 22.6      | 22.9      | 23.0    |
| GE 20000              | 12.3                        | 22.5    | 22.7    | 22.7    | 22.9    | 22.9        | 23.0    | 23.0        | 23.0        | 23.2    | 23.3      | 23.3      | 23.4      | 23.4      | 23.7      | 23.8    |
| GE 18000              | 12.3                        | 22.6    | 22.8    | 22.8    | 23.1    | 23.1        | 23.1    | 23.1        | 23.1        | 23.4    | 23.4      | 23.4      | 23.5      | 23.5      | 23.8      | 23.9    |
| GE 16000              | 12.3                        | 22.6    | 22.8    | 22.8    | 23.1    | 23.1        | 23.1    | 23.1        | 23.1        | 23.4    | 23.4      | 23.4      | 23.5      | 23.5      | 23.8      | 23.9    |
| GE 14000              | 12.3                        | 22.8    | 22.9    | 22.9    | 23.2    | 23.2        | 23.2    | 23.2        | 23.2        | 23.5    | 23.5      | 23.5      | 23.7      | 23.7      | 23.9      | 24.0    |
| GE 12000              | 12.3                        | 22.8    | 22.9    | 22.9    | 23.2    | 23.2        | 23.2    | 23.2        | 23.2        | 23.5    | 23.5      | 23.5      | 23.7      | 23.7      | 23.9      | 24.0    |
| GE 10000              | 13.0                        | 24.0    | 24.2    | 24.2    | 24.4    | 24.4        | 24.5    | 24.5        | 24.5        | 24.7    | 24.8      | 24.8      | 24.9      | 24.9      | 25.1      | 25.2    |
| GE 9000               | 13.0                        | 24.0    | 24.2    | 24.2    | 24.4    | 24.4        | 24.5    | 24.5        | 24.5        | 24.7    | 24.8      | 24.8      | 24.9      | 24.9      | 25.1      | 25.2    |
| GE 8000               | 13.0                        | 24.1    | 24.3    | 24.3    | 24.5    | 24.5        | 24.6    | 24.6        | 24.6        | 24.8    | 24.9      | 24.9      | 25.0      | 25.0      | 25.2      | 25.4    |
| GE 7000               | 13.3                        | 24.9    | 25.1    | 25.1    | 25.3    | 25.3        | 25.4    | 25.4        | 25.4        | 25.6    | 25.7      | 25.7      | 25.8      | 25.8      | 26.0      | 26.2    |
| GE 6000               | 13.3                        | 25.1    | 25.3    | 25.3    | 25.5    | 25.5        | 25.6    | 25.6        | 25.6        | 25.8    | 25.9      | 25.9      | 26.0      | 26.0      | 26.3      | 26.4    |
| GE 5000               | 14.0                        | 26.8    | 27.0    | 27.0    | 27.2    | 27.2        | 27.4    | 27.4        | 27.4        | 27.6    | 27.7      | 27.7      | 27.8      | 27.8      | 28.0      | 28.2    |
| GE 4500               | 14.0                        | 26.8    | 27.0    | 27.0    | 27.2    | 27.2        | 27.4    | 27.4        | 27.4        | 27.6    | 27.7      | 27.7      | 27.8      | 27.8      | 28.0      | 28.2    |
| GE 4000               | 14.2                        | 28.3    | 28.5    | 28.5    | 28.8    | 28.8        | 28.9    | 28.9        | 28.9        | 29.1    | 29.2      | 29.2      | 29.3      | 29.3      | 29.6      | 29.7    |
| GE 3500               | 14.2                        | 28.3    | 28.5    | 28.5    | 28.8    | 28.8        | 28.9    | 28.9        | 28.9        | 29.1    | 29.2      | 29.2      | 29.3      | 29.3      | 29.6      | 29.7    |
| GE 3000               | 14.5                        | 29.7    | 29.9    | 29.9    | 30.2    | 30.2        | 30.3    | 30.3        | 30.3        | 30.5    | 30.6      | 30.6      | 30.7      | 30.7      | 30.9      | 31.1    |
| GE 2500               | 16.1                        | 34.4    | 34.6    | 34.6    | 35.0    | 35.0        | 35.1    | 35.1        | 35.1        | 35.3    | 35.4      | 35.4      | 35.6      | 35.6      | 35.9      | 36.0    |
| GE 2000               | 16.7                        | 41.6    | 42.2    | 42.2    | 42.5    | 42.5        | 42.7    | 42.7        | 42.7        | 42.9    | 43.0      | 43.0      | 43.3      | 43.3      | 43.5      | 43.6    |
| GE 1800               | 16.7                        | 41.6    | 42.2    | 42.2    | 42.5    | 42.5        | 42.7    | 42.7        | 42.7        | 42.9    | 43.0      | 43.0      | 43.3      | 43.3      | 43.5      | 43.6    |
| GE 1500               | 17.5                        | 47.7    | 48.4    | 48.4    | 48.8    | 48.8        | 49.0    | 49.0        | 49.0        | 49.3    | 49.4      | 49.4      | 49.6      | 49.6      | 49.9      | 50.0    |
| GE 1200               | 23.1                        | 62.9    | 64.7    | 64.7    | 65.7    | 65.8        | 66.4    | 66.4        | 66.5        | 66.8    | 67.0      | 67.0      | 67.2      | 67.2      | 67.5      | 67.6    |
| GE 1000               | 27.1                        | 76.6    | 79.3    | 79.3    | 82.0    | 82.2        | 83.0    | 83.0        | 83.1        | 83.6    | 83.9      | 83.9      | 84.2      | 84.2      | 84.6      | 84.8    |
| GE 900                | 27.2                        | 76.8    | 79.4    | 79.4    | 82.2    | 82.3        | 83.3    | 83.3        | 83.3        | 83.9    | 84.2      | 84.2      | 84.5      | 84.5      | 84.9      | 85.1    |
| GE 800                | 27.9                        | 78.6    | 81.6    | 81.6    | 84.7    | 84.8        | 86.0    | 86.2        | 86.3        | 87.0    | 87.3      | 87.3      | 87.7      | 87.7      | 88.1      | 88.3    |
| GE 700                | 28.5                        | 81.3    | 84.5    | 84.5    | 88.2    | 88.4        | 89.7    | 90.0        | 90.1        | 91.1    | 91.4      | 91.4      | 91.9      | 91.9      | 92.3      | 92.5    |
| GE 600                | 28.6                        | 81.6    | 85.1    | 85.1    | 88.8    | 89.0        | 90.4    | 90.7        | 90.8        | 91.7    | 92.1      | 92.1      | 92.5      | 92.5      | 93.0      | 93.1    |
| GE 500                | 28.7                        | 82.0    | 85.5    | 85.5    | 89.3    | 89.6        | 91.1    | 91.6        | 91.6        | 92.8    | 93.1      | 93.1      | 93.6      | 93.6      | 94.1      | 94.3    |
| GE 400                | 29.2                        | 83.6    | 87.4    | 87.4    | 91.6    | 91.8        | 93.8    | 94.2        | 94.2        | 95.8    | 96.3      | 96.3      | 97.0      | 97.0      | 97.5      | 97.6    |
| GE 300                | 29.2                        | 83.6    | 87.4    | 87.4    | 91.6    | 91.9        | 93.8    | 94.2        | 94.3        | 95.9    | 96.4      | 96.4      | 97.2      | 97.3      | 97.8      | 98.0    |
| GE 200                | 29.2                        | 83.7    | 87.4    | 87.4    | 91.7    | 91.9        | 93.9    | 94.3        | 94.4        | 96.0    | 96.5      | 96.5      | 97.8      | 97.9      | 98.4      | 98.6    |
| GE 100                | 29.2                        | 83.7    | 87.4    | 87.4    | 91.7    | 91.9        | 93.9    | 94.3        | 94.4        | 96.0    | 96.5      | 96.5      | 97.9      | 97.9      | 99.0      | 99.9    |
| GE 000                | 29.2                        | 83.7    | 87.5    | 87.5    | 91.7    | 92.0        | 93.9    | 94.4        | 94.4        | 96.1    | 96.5      | 96.6      | 97.9      | 98.0      | 99.0      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 1648

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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               | 13.8                        | 35.5    | 36.3    | 36.3    | 37.0    | 37.0        | 37.3    | 37.3        | 37.3        | 37.8    | 37.8      | 37.8      | 38.3      | 38.3      | 38.3      | 38.3    |
| GE 20000              | 13.8                        | 36.0    | 36.8    | 36.8    | 37.5    | 37.5        | 37.8    | 37.8        | 37.8        | 38.3    | 38.3      | 38.3      | 38.8      | 38.8      | 38.8      | 38.8    |
| GE 18000              | 13.8                        | 36.0    | 36.8    | 36.8    | 37.5    | 37.5        | 37.8    | 37.8        | 37.8        | 38.3    | 38.3      | 38.3      | 38.8      | 38.8      | 38.8      | 38.8    |
| GE 16000              | 13.8                        | 36.0    | 36.8    | 36.8    | 37.5    | 37.5        | 37.8    | 37.8        | 37.8        | 38.3    | 38.3      | 38.3      | 38.8      | 38.8      | 38.8      | 38.8    |
| GE 14000              | 13.8                        | 36.0    | 36.8    | 36.8    | 37.5    | 37.5        | 37.8    | 37.8        | 37.8        | 38.3    | 38.3      | 38.3      | 38.8      | 38.8      | 38.8      | 38.8    |
| GE 12000              | 13.8                        | 36.0    | 36.8    | 36.8    | 37.5    | 37.5        | 37.8    | 37.8        | 37.8        | 38.3    | 38.3      | 38.3      | 38.8      | 38.8      | 38.8      | 38.8    |
| GE 10000              | 13.8                        | 36.8    | 37.5    | 37.5    | 38.3    | 38.3        | 38.5    | 38.5        | 38.5        | 39.0    | 39.0      | 39.0      | 39.5      | 39.5      | 39.5      | 39.5    |
| GE 9000               | 13.8                        | 37.0    | 37.8    | 37.8    | 38.5    | 38.5        | 38.8    | 38.8        | 38.8        | 39.3    | 39.3      | 39.3      | 39.8      | 39.8      | 39.8      | 39.8    |
| GE 8000               | 13.8                        | 37.3    | 38.0    | 38.0    | 38.8    | 38.8        | 39.0    | 39.0        | 39.0        | 39.5    | 39.5      | 39.5      | 40.0      | 40.0      | 40.0      | 40.0    |
| GE 7000               | 13.8                        | 37.5    | 38.3    | 38.3    | 39.0    | 39.0        | 39.3    | 39.3        | 39.3        | 39.8    | 39.8      | 39.8      | 40.3      | 40.3      | 40.3      | 40.3    |
| GE 6000               | 13.8                        | 37.8    | 38.5    | 38.5    | 39.3    | 39.3        | 39.5    | 39.5        | 39.5        | 40.0    | 40.0      | 40.0      | 40.5      | 40.5      | 40.5      | 40.5    |
| GE 5000               | 13.8                        | 39.0    | 39.8    | 39.8    | 40.5    | 40.5        | 40.8    | 40.8        | 40.8        | 41.3    | 41.3      | 41.3      | 41.8      | 41.8      | 41.8      | 41.8    |
| GE 4500               | 13.8                        | 39.0    | 39.8    | 39.8    | 40.5    | 40.5        | 40.8    | 40.8        | 40.8        | 41.3    | 41.3      | 41.3      | 41.8      | 41.8      | 41.8      | 41.8    |
| GE 4000               | 13.8                        | 40.8    | 41.8    | 41.8    | 42.5    | 42.5        | 42.8    | 42.8        | 42.8        | 43.3    | 43.3      | 43.3      | 43.8      | 43.8      | 43.8      | 43.8    |
| GE 3500               | 13.8                        | 40.8    | 41.8    | 41.8    | 42.5    | 42.5        | 42.8    | 42.8        | 42.8        | 43.3    | 43.3      | 43.3      | 43.8      | 43.8      | 43.8      | 43.8    |
| GE 3000               | 13.8                        | 42.8    | 43.8    | 43.8    | 44.5    | 44.5        | 44.8    | 44.8        | 44.8        | 45.5    | 45.5      | 45.5      | 46.0      | 46.0      | 46.0      | 46.0    |
| GE 2500               | 15.8                        | 49.3    | 50.3    | 50.3    | 51.0    | 51.0        | 51.3    | 51.3        | 51.3        | 52.3    | 52.3      | 52.3      | 52.8      | 52.8      | 52.8      | 52.8    |
| GE 2000               | 16.0                        | 52.5    | 53.5    | 53.5    | 54.3    | 54.3        | 54.5    | 54.5        | 54.5        | 55.5    | 55.5      | 55.5      | 56.0      | 56.0      | 56.0      | 56.0    |
| GE 1800               | 16.0                        | 52.8    | 53.8    | 53.8    | 54.5    | 54.5        | 54.8    | 54.8        | 54.8        | 55.8    | 55.8      | 55.8      | 56.3      | 56.3      | 56.3      | 56.3    |
| GE 1500               | 16.0                        | 57.5    | 58.8    | 58.8    | 59.5    | 59.5        | 59.8    | 59.8        | 59.8        | 60.8    | 60.8      | 60.8      | 61.3      | 61.3      | 61.3      | 61.3    |
| GE 1200               | 20.8                        | 75.5    | 79.5    | 79.5    | 81.3    | 81.3        | 81.8    | 81.8        | 81.8        | 83.0    | 83.0      | 83.0      | 83.8      | 83.8      | 83.8      | 83.8    |
| GE 1000               | 21.5                        | 83.8    | 88.5    | 88.5    | 91.3    | 91.3        | 92.3    | 92.3        | 92.3        | 92.5    | 92.5      | 92.5      | 93.8      | 93.8      | 93.8      | 93.8    |
| GE 900                | 21.5                        | 83.8    | 88.5    | 88.5    | 91.3    | 91.3        | 92.3    | 92.3        | 92.3        | 92.5    | 92.5      | 92.5      | 93.8      | 93.8      | 93.8      | 93.8    |
| GE 800                | 21.5                        | 83.8    | 88.8    | 88.8    | 91.5    | 91.5        | 92.5    | 92.5        | 92.5        | 92.8    | 92.8      | 92.8      | 94.0      | 94.0      | 94.0      | 94.0    |
| GE 700                | 21.5                        | 84.3    | 90.3    | 90.3    | 94.3    | 94.3        | 95.3    | 95.3        | 95.3        | 95.5    | 95.5      | 95.5      | 97.0      | 97.0      | 97.0      | 97.0    |
| GE 600                | 21.5                        | 84.3    | 90.3    | 90.3    | 94.3    | 94.3        | 95.3    | 95.3        | 95.3        | 95.5    | 95.5      | 95.5      | 97.0      | 97.0      | 97.0      | 97.0    |
| GE 500                | 21.5                        | 84.3    | 90.3    | 90.3    | 94.3    | 94.3        | 95.3    | 95.3        | 95.3        | 95.5    | 95.5      | 95.5      | 97.0      | 97.0      | 97.0      | 97.0    |
| GE 400                | 21.5                        | 84.5    | 90.5    | 90.5    | 94.5    | 94.5        | 95.5    | 95.5        | 95.5        | 95.8    | 95.8      | 95.8      | 97.5      | 97.5      | 97.5      | 97.5    |
| GE 300                | 21.5                        | 84.5    | 90.5    | 90.5    | 94.5    | 94.5        | 95.5    | 95.5        | 95.5        | 95.8    | 95.8      | 95.8      | 97.5      | 97.5      | 97.5      | 97.5    |
| GE 200                | 21.5                        | 84.8    | 90.8    | 90.8    | 94.8    | 94.8        | 95.8    | 95.8        | 95.8        | 96.0    | 96.0      | 96.0      | 97.8      | 97.8      | 97.8      | 97.8    |
| GE 100                | 21.5                        | 84.8    | 90.8    | 90.8    | 94.8    | 94.8        | 95.8    | 95.8        | 95.8        | 96.0    | 96.0      | 96.0      | 97.8      | 97.8      | 97.8      | 97.8    |
| GE 000                | 21.5                        | 84.8    | 90.8    | 90.8    | 94.8    | 94.8        | 95.8    | 95.8        | 95.8        | 96.0    | 96.0      | 96.0      | 97.8      | 97.8      | 97.8      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 400

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
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               | 12.8                        | 30.4    | 30.9    | 30.9    | 31.9    | 31.9        | 32.2    | 32.2        | 32.2        | 32.7    | 32.7      | 32.7      | 33.2      | 33.2      | 33.2      | 33.2    |
| GE 20000              | 12.8                        | 30.9    | 31.4    | 31.4    | 32.5    | 32.5        | 32.7    | 32.7        | 32.7        | 33.2    | 33.2      | 33.2      | 33.8      | 33.8      | 33.8      | 33.8    |
| GE 18000              | 12.8                        | 30.9    | 31.4    | 31.4    | 32.5    | 32.5        | 32.7    | 32.7        | 32.7        | 33.2    | 33.2      | 33.2      | 33.8      | 33.8      | 33.8      | 33.8    |
| GE 16000              | 12.8                        | 30.9    | 31.4    | 31.4    | 32.5    | 32.5        | 32.7    | 32.7        | 32.7        | 33.2    | 33.2      | 33.2      | 33.8      | 33.8      | 33.8      | 33.8    |
| GE 14000              | 12.8                        | 30.9    | 31.4    | 31.4    | 32.5    | 32.5        | 32.7    | 32.7        | 32.7        | 33.2    | 33.2      | 33.2      | 33.8      | 33.8      | 33.8      | 33.8    |
| GE 12000              | 12.8                        | 30.9    | 31.4    | 31.4    | 32.5    | 32.5        | 32.7    | 32.7        | 32.7        | 33.2    | 33.2      | 33.2      | 33.8      | 33.8      | 33.8      | 33.8    |
| GE 10000              | 12.8                        | 31.2    | 31.9    | 31.9    | 33.0    | 33.0        | 33.2    | 33.2        | 33.2        | 33.8    | 33.8      | 33.8      | 34.3      | 34.3      | 34.3      | 34.3    |
| GE 9000               | 12.8                        | 31.4    | 32.2    | 32.2    | 33.2    | 33.2        | 33.5    | 33.5        | 33.5        | 34.0    | 34.0      | 34.0      | 34.6      | 34.6      | 34.6      | 34.6    |
| GE 8000               | 12.8                        | 31.9    | 32.7    | 32.7    | 33.8    | 33.8        | 34.0    | 34.0        | 34.0        | 34.6    | 34.6      | 34.6      | 35.1      | 35.1      | 35.1      | 35.1    |
| GE 7000               | 13.1                        | 32.7    | 33.5    | 33.5    | 34.6    | 34.6        | 35.1    | 35.1        | 35.1        | 35.6    | 35.6      | 35.6      | 36.1      | 36.1      | 36.1      | 36.1    |
| GE 6000               | 13.1                        | 32.7    | 33.5    | 33.5    | 34.6    | 34.6        | 35.1    | 35.1        | 35.1        | 35.6    | 35.6      | 35.6      | 36.1      | 36.1      | 36.1      | 36.1    |
| GE 5000               | 13.6                        | 34.3    | 35.1    | 35.1    | 36.1    | 36.1        | 36.6    | 36.6        | 36.6        | 37.2    | 37.2      | 37.2      | 37.7      | 37.7      | 37.7      | 37.7    |
| GE 4500               | 13.6                        | 34.3    | 35.1    | 35.1    | 36.1    | 36.1        | 36.6    | 36.6        | 36.6        | 37.2    | 37.2      | 37.2      | 37.7      | 37.7      | 37.7      | 37.7    |
| GE 4000               | 13.6                        | 35.9    | 36.6    | 36.6    | 37.7    | 37.7        | 38.2    | 38.2        | 38.2        | 38.7    | 38.7      | 38.7      | 39.3      | 39.3      | 39.3      | 39.3    |
| GE 3500               | 13.6                        | 35.9    | 36.6    | 36.6    | 37.7    | 37.7        | 38.2    | 38.2        | 38.2        | 38.7    | 38.7      | 38.7      | 39.3      | 39.3      | 39.3      | 39.3    |
| GE 3000               | 13.9                        | 37.7    | 38.5    | 38.5    | 39.5    | 39.5        | 40.1    | 40.1        | 40.1        | 40.6    | 40.6      | 40.6      | 41.1      | 41.1      | 41.1      | 41.1    |
| GE 2500               | 17.0                        | 46.6    | 47.4    | 47.4    | 48.4    | 48.4        | 49.0    | 49.0        | 49.0        | 49.5    | 49.5      | 49.5      | 50.0      | 50.0      | 50.0      | 50.0    |
| GE 2000               | 17.3                        | 51.3    | 52.1    | 52.1    | 53.7    | 53.7        | 54.2    | 54.2        | 54.2        | 54.7    | 54.7      | 54.7      | 55.5      | 55.5      | 55.5      | 55.5    |
| GE 1800               | 17.3                        | 51.6    | 52.4    | 52.4    | 54.2    | 54.2        | 54.7    | 54.7        | 54.7        | 55.2    | 55.2      | 55.2      | 56.0      | 56.0      | 56.0      | 56.0    |
| GE 1500               | 17.5                        | 55.2    | 56.0    | 56.0    | 57.9    | 57.9        | 58.4    | 58.4        | 58.4        | 58.9    | 58.9      | 58.9      | 59.7      | 59.7      | 59.7      | 59.7    |
| GE 1200               | 22.3                        | 73.6    | 75.9    | 75.9    | 79.6    | 79.6        | 80.4    | 80.4        | 80.4        | 81.4    | 81.7      | 81.7      | 82.5      | 82.5      | 82.5      | 82.5    |
| GE 1000               | 23.0                        | 79.6    | 82.7    | 82.7    | 87.4    | 87.7        | 88.7    | 88.7        | 88.7        | 90.6    | 91.4      | 91.4      | 92.1      | 92.1      | 92.1      | 92.1    |
| GE 900                | 23.0                        | 79.6    | 82.7    | 82.7    | 87.4    | 87.7        | 88.7    | 88.7        | 88.7        | 90.6    | 91.4      | 91.4      | 92.1      | 92.1      | 92.1      | 92.1    |
| GE 800                | 23.0                        | 79.8    | 83.0    | 83.0    | 87.7    | 88.0        | 89.0    | 89.0        | 89.0        | 90.8    | 91.6      | 91.6      | 92.4      | 92.4      | 92.4      | 92.4    |
| GE 700                | 23.3                        | 81.4    | 84.8    | 84.8    | 89.5    | 89.8        | 91.1    | 91.1        | 91.1        | 93.2    | 94.2      | 94.2      | 95.3      | 95.3      | 95.3      | 95.3    |
| GE 600                | 23.3                        | 81.4    | 84.8    | 84.8    | 89.5    | 89.8        | 91.1    | 91.1        | 91.1        | 93.2    | 94.2      | 94.2      | 95.5      | 95.5      | 95.5      | 95.5    |
| GE 500                | 23.3                        | 81.4    | 84.8    | 84.8    | 89.5    | 89.8        | 91.6    | 91.9        | 91.9        | 94.0    | 95.0      | 95.0      | 96.3      | 96.3      | 96.6      | 96.9    |
| GE 400                | 23.3                        | 81.9    | 85.6    | 85.6    | 90.8    | 91.1        | 92.9    | 93.2        | 93.2        | 95.5    | 96.6      | 96.6      | 97.9      | 97.9      | 98.2      | 98.4    |
| GE 300                | 23.3                        | 81.9    | 85.6    | 85.6    | 90.8    | 91.1        | 92.9    | 93.2        | 93.2        | 95.5    | 96.6      | 96.6      | 98.2      | 98.2      | 98.4      | 99.0    |
| GE 200                | 23.3                        | 81.9    | 85.6    | 85.6    | 90.8    | 91.1        | 92.9    | 93.2        | 93.2        | 95.5    | 96.6      | 96.6      | 98.4      | 98.4      | 98.7      | 99.2    |
| GE 100                | 23.3                        | 81.9    | 85.6    | 85.6    | 90.8    | 91.1        | 92.9    | 93.2        | 93.2        | 95.5    | 96.6      | 96.6      | 98.4      | 98.4      | 99.2      | 100.0   |
| GE 000                | 23.3                        | 81.9    | 85.6    | 85.6    | 90.8    | 91.1        | 92.9    | 93.2        | 93.2        | 95.5    | 96.6      | 96.6      | 98.4      | 98.4      | 99.2      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 382

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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 |
| NO CEIL               | 15.4                        | 25.6    | 25.9    | 25.9    | 26.9    | 26.9        | 27.9    | 27.9        | 28.2        | 28.5    | 28.5      | 28.5      | 28.5      | 28.5      | 28.7      | 28.7    |
| GE 20000              | 15.9                        | 27.4    | 27.9    | 27.9    | 29.0    | 29.0        | 30.0    | 30.0        | 30.3        | 30.5    | 30.5      | 30.5      | 30.5      | 30.5      | 30.8      | 30.8    |
| GE 18000              | 15.9                        | 27.7    | 28.2    | 28.2    | 29.2    | 29.2        | 30.3    | 30.3        | 30.5        | 30.8    | 30.8      | 30.8      | 30.8      | 30.8      | 31.0      | 31.0    |
| GE 16000              | 15.9                        | 27.7    | 28.2    | 28.2    | 29.2    | 29.2        | 30.3    | 30.3        | 30.5        | 30.8    | 30.8      | 30.8      | 30.8      | 30.8      | 31.0      | 31.0    |
| GE 14000              | 16.2                        | 28.2    | 28.7    | 28.7    | 29.7    | 29.7        | 30.8    | 30.8        | 31.0        | 31.3    | 31.3      | 31.3      | 31.3      | 31.3      | 31.5      | 31.5    |
| GE 12000              | 16.2                        | 28.5    | 29.0    | 29.0    | 30.0    | 30.0        | 31.0    | 31.0        | 31.3        | 31.5    | 31.5      | 31.5      | 31.5      | 31.5      | 31.8      | 31.8    |
| GE 10000              | 16.4                        | 29.0    | 29.7    | 29.7    | 31.0    | 31.0        | 32.1    | 32.1        | 32.3        | 32.6    | 32.6      | 32.6      | 32.6      | 32.6      | 32.8      | 32.8    |
| GE 9000               | 16.4                        | 29.2    | 30.0    | 30.0    | 31.3    | 31.3        | 32.3    | 32.3        | 32.6        | 32.8    | 32.8      | 32.8      | 32.8      | 32.8      | 33.1      | 33.1    |
| GE 8000               | 16.4                        | 29.7    | 30.5    | 30.5    | 31.8    | 31.8        | 32.8    | 32.8        | 33.1        | 33.3    | 33.3      | 33.3      | 33.3      | 33.3      | 33.6      | 33.6    |
| GE 7000               | 17.2                        | 31.8    | 32.6    | 32.6    | 33.8    | 33.8        | 34.9    | 34.9        | 35.1        | 35.4    | 35.4      | 35.4      | 35.4      | 35.4      | 35.6      | 35.6    |
| GE 6000               | 17.2                        | 33.1    | 33.8    | 33.8    | 35.1    | 35.1        | 36.2    | 36.2        | 36.4        | 36.7    | 36.7      | 36.7      | 36.7      | 36.7      | 36.9      | 36.9    |
| GE 5000               | 17.4                        | 34.9    | 35.6    | 35.6    | 37.4    | 37.4        | 38.5    | 38.5        | 38.7        | 39.0    | 39.0      | 39.0      | 39.0      | 39.0      | 39.2      | 39.2    |
| GE 4500               | 17.4                        | 35.1    | 35.9    | 35.9    | 37.7    | 37.7        | 38.7    | 38.7        | 39.0        | 39.2    | 39.2      | 39.2      | 39.2      | 39.2      | 39.5      | 39.5    |
| GE 4000               | 18.5                        | 38.7    | 39.5    | 39.5    | 41.5    | 41.5        | 42.6    | 42.6        | 42.8        | 43.1    | 43.1      | 43.1      | 43.1      | 43.1      | 43.3      | 43.3    |
| GE 3500               | 18.5                        | 39.2    | 40.0    | 40.0    | 42.1    | 42.1        | 43.1    | 43.1        | 43.3        | 43.6    | 43.6      | 43.6      | 43.6      | 43.6      | 43.8      | 43.8    |
| GE 3000               | 18.7                        | 40.8    | 41.5    | 41.5    | 43.6    | 43.6        | 44.6    | 44.6        | 44.9        | 45.1    | 45.1      | 45.1      | 45.1      | 45.1      | 45.4      | 45.4    |
| GE 2500               | 20.5                        | 46.2    | 46.9    | 46.9    | 49.5    | 49.5        | 50.5    | 50.5        | 50.8        | 51.3    | 51.3      | 51.3      | 51.5      | 51.5      | 51.8      | 51.8    |
| GE 2000               | 20.5                        | 53.6    | 54.4    | 54.4    | 56.9    | 56.9        | 58.2    | 58.2        | 58.5        | 59.0    | 59.0      | 59.0      | 59.5      | 59.5      | 59.7      | 59.7    |
| GE 1800               | 20.5                        | 53.6    | 54.4    | 54.4    | 56.9    | 56.9        | 58.2    | 58.2        | 58.5        | 59.0    | 59.0      | 59.0      | 59.5      | 59.5      | 59.7      | 59.7    |
| GE 1500               | 20.8                        | 56.4    | 57.4    | 57.4    | 60.3    | 60.3        | 61.5    | 61.5        | 61.8        | 62.6    | 62.6      | 62.6      | 63.1      | 63.1      | 63.6      | 63.6    |
| GE 1200               | 27.9                        | 71.3    | 72.8    | 72.8    | 76.7    | 76.7        | 79.2    | 79.2        | 79.5        | 81.3    | 81.3      | 81.3      | 81.8      | 81.8      | 82.6      | 82.6    |
| GE 1000               | 29.0                        | 75.9    | 78.5    | 78.5    | 82.8    | 83.1        | 85.9    | 86.2        | 86.4        | 88.7    | 88.7      | 88.7      | 89.5      | 89.5      | 90.3      | 90.3    |
| GE 900                | 29.0                        | 75.9    | 78.5    | 78.5    | 82.8    | 83.1        | 85.9    | 86.2        | 86.4        | 89.0    | 89.0      | 89.0      | 89.7      | 89.7      | 90.5      | 90.5    |
| GE 800                | 29.2                        | 76.2    | 79.0    | 79.0    | 83.3    | 83.6        | 86.4    | 86.7        | 86.9        | 89.7    | 90.0      | 90.0      | 91.0      | 91.0      | 91.8      | 91.8    |
| GE 700                | 30.3                        | 77.7    | 80.5    | 80.5    | 85.4    | 85.6        | 89.5    | 89.7        | 90.0        | 93.1    | 93.3      | 93.3      | 94.4      | 94.4      | 95.1      | 95.1    |
| GE 600                | 30.3                        | 77.7    | 80.5    | 80.5    | 85.4    | 85.6        | 89.5    | 89.7        | 90.0        | 93.1    | 93.3      | 93.3      | 94.4      | 94.4      | 95.1      | 95.1    |
| GE 500                | 30.3                        | 77.9    | 80.8    | 80.8    | 85.6    | 85.9        | 90.0    | 90.3        | 90.5        | 93.6    | 93.8      | 93.8      | 94.9      | 94.9      | 95.6      | 95.9    |
| GE 400                | 30.3                        | 78.7    | 81.5    | 81.5    | 86.7    | 86.9        | 91.0    | 91.3        | 91.5        | 94.9    | 95.1      | 95.1      | 96.4      | 96.4      | 97.7      | 97.9    |
| GE 300                | 30.3                        | 78.7    | 81.5    | 81.5    | 86.7    | 86.9        | 91.0    | 91.3        | 91.5        | 94.9    | 95.1      | 95.1      | 96.4      | 96.4      | 97.7      | 97.9    |
| GE 200                | 30.3                        | 78.7    | 81.5    | 81.5    | 86.7    | 86.9        | 91.0    | 91.5        | 91.8        | 95.1    | 95.4      | 95.4      | 97.2      | 97.2      | 98.7      | 99.2    |
| GE 100                | 30.3                        | 78.7    | 81.5    | 81.5    | 86.7    | 86.9        | 91.0    | 91.5        | 91.8        | 95.1    | 95.4      | 95.4      | 97.2      | 97.2      | 99.0      | 100.0   |
| GE 000                | 30.3                        | 78.7    | 81.5    | 81.5    | 86.7    | 86.9        | 91.0    | 91.5        | 91.8        | 95.1    | 95.4      | 95.4      | 97.2      | 97.2      | 99.0      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 390

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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               | 13.6                        | 32.4    | 32.7    | 32.7    | 33.7    | 33.7        | 34.7    | 34.7        | 34.9        | 34.9    | 34.9      | 34.9      | 35.4      | 35.4      | 35.4      | 35.4    |
| GE 20000              | 13.6                        | 32.4    | 32.7    | 32.7    | 33.7    | 33.7        | 34.7    | 34.7        | 34.9        | 34.9    | 34.9      | 34.9      | 35.4      | 35.4      | 35.4      | 35.4    |
| GE 18000              | 13.6                        | 32.4    | 32.7    | 32.7    | 33.9    | 33.9        | 34.9    | 34.9        | 35.1        | 35.1    | 35.1      | 35.1      | 35.6      | 35.6      | 35.6      | 35.6    |
| GE 16000              | 13.6                        | 32.4    | 32.7    | 32.7    | 33.9    | 33.9        | 34.9    | 34.9        | 35.1        | 35.1    | 35.1      | 35.1      | 35.6      | 35.6      | 35.6      | 35.6    |
| GE 14000              | 13.6                        | 32.4    | 32.7    | 32.7    | 33.9    | 33.9        | 34.9    | 34.9        | 35.1        | 35.1    | 35.1      | 35.1      | 35.6      | 35.6      | 35.6      | 35.6    |
| GE 12000              | 13.6                        | 32.4    | 32.7    | 32.7    | 33.9    | 33.9        | 34.9    | 34.9        | 35.1        | 35.1    | 35.1      | 35.1      | 35.6      | 35.6      | 35.6      | 35.6    |
| GE 10000              | 13.6                        | 32.4    | 32.7    | 32.7    | 33.9    | 33.9        | 34.9    | 34.9        | 35.1        | 35.1    | 35.1      | 35.1      | 35.6      | 35.6      | 35.6      | 35.6    |
| GE 9000               | 13.6                        | 32.7    | 32.9    | 32.9    | 34.2    | 34.2        | 35.1    | 35.1        | 35.4        | 35.4    | 35.4      | 35.4      | 35.9      | 35.9      | 35.9      | 35.9    |
| GE 8000               | 13.6                        | 32.9    | 33.2    | 33.2    | 34.4    | 34.4        | 35.4    | 35.4        | 35.6        | 35.6    | 35.6      | 35.6      | 36.1      | 36.1      | 36.1      | 36.1    |
| GE 7000               | 13.9                        | 33.9    | 34.2    | 34.2    | 35.4    | 35.4        | 36.4    | 36.4        | 36.6        | 36.6    | 36.6      | 36.6      | 37.1      | 37.1      | 37.1      | 37.1    |
| GE 6000               | 13.9                        | 33.9    | 34.2    | 34.2    | 35.4    | 35.4        | 36.4    | 36.4        | 36.6        | 36.6    | 36.6      | 36.6      | 37.1      | 37.1      | 37.1      | 37.1    |
| GE 5000               | 13.9                        | 35.4    | 35.6    | 35.6    | 36.9    | 36.9        | 38.1    | 38.1        | 38.4        | 38.4    | 38.4      | 38.4      | 38.9      | 38.9      | 38.9      | 38.9    |
| GE 4500               | 13.9                        | 35.4    | 35.6    | 35.6    | 36.9    | 36.9        | 38.1    | 38.1        | 38.4        | 38.4    | 38.4      | 38.4      | 38.9      | 38.9      | 38.9      | 38.9    |
| GE 4000               | 14.1                        | 38.1    | 38.4    | 38.4    | 39.6    | 39.6        | 40.8    | 40.8        | 41.1        | 41.1    | 41.1      | 41.1      | 41.6      | 41.6      | 41.6      | 41.6    |
| GE 3500               | 14.1                        | 38.1    | 38.4    | 38.4    | 39.6    | 39.6        | 40.8    | 40.8        | 41.1        | 41.1    | 41.1      | 41.1      | 41.6      | 41.6      | 41.6      | 41.6    |
| GE 3000               | 14.1                        | 40.3    | 40.8    | 40.8    | 42.1    | 42.1        | 43.3    | 43.3        | 43.6        | 43.6    | 43.6      | 43.6      | 44.1      | 44.1      | 44.1      | 44.1    |
| GE 2500               | 16.6                        | 47.3    | 47.8    | 47.8    | 49.5    | 49.5        | 50.7    | 50.7        | 51.0        | 51.0    | 51.0      | 51.0      | 51.5      | 51.5      | 51.7      | 51.7    |
| GE 2000               | 16.6                        | 51.2    | 52.0    | 52.0    | 54.2    | 54.2        | 55.4    | 55.4        | 55.7        | 55.7    | 55.7      | 55.7      | 56.2      | 56.2      | 56.4      | 56.4    |
| GE 1800               | 16.6                        | 51.7    | 52.5    | 52.5    | 54.7    | 54.7        | 55.9    | 55.9        | 56.2        | 56.2    | 56.2      | 56.2      | 56.7      | 56.7      | 56.9      | 56.9    |
| GE 1500               | 17.1                        | 56.2    | 57.2    | 57.2    | 59.9    | 59.9        | 61.1    | 61.1        | 61.4        | 61.4    | 61.4      | 61.4      | 61.9      | 61.9      | 62.1      | 62.1    |
| GE 1200               | 23.0                        | 73.5    | 75.5    | 75.5    | 79.7    | 79.7        | 80.9    | 80.9        | 81.2        | 81.9    | 82.2      | 82.2      | 82.7      | 82.7      | 82.9      | 82.9    |
| GE 1000               | 24.5                        | 80.2    | 83.9    | 83.9    | 88.9    | 88.9        | 90.1    | 90.1        | 90.3        | 91.1    | 91.3      | 91.3      | 91.8      | 91.8      | 92.1      | 92.1    |
| GE 900                | 24.5                        | 80.2    | 83.9    | 83.9    | 88.9    | 88.9        | 90.1    | 90.1        | 90.3        | 91.1    | 91.3      | 91.3      | 91.8      | 91.8      | 92.1      | 92.1    |
| GE 800                | 25.0                        | 80.7    | 84.4    | 84.4    | 89.6    | 89.6        | 90.8    | 91.1        | 91.3        | 92.1    | 92.3      | 92.3      | 92.8      | 92.8      | 93.1      | 93.1    |
| GE 700                | 25.5                        | 81.9    | 86.1    | 86.1    | 91.8    | 91.8        | 93.3    | 93.6        | 93.8        | 94.6    | 94.8      | 94.8      | 95.3      | 95.3      | 95.5      | 95.5    |
| GE 600                | 25.5                        | 81.9    | 86.1    | 86.1    | 92.1    | 92.1        | 93.6    | 93.8        | 94.1        | 94.8    | 95.0      | 95.0      | 95.5      | 95.5      | 95.8      | 95.8    |
| GE 500                | 25.5                        | 81.9    | 86.1    | 86.1    | 92.1    | 92.1        | 93.6    | 93.8        | 94.1        | 94.8    | 95.0      | 95.0      | 95.8      | 95.8      | 96.5      | 96.5    |
| GE 400                | 25.5                        | 82.7    | 87.1    | 87.1    | 93.1    | 93.1        | 94.6    | 94.8        | 95.0        | 96.0    | 96.3      | 96.3      | 97.3      | 97.3      | 98.0      | 98.0    |
| GE 300                | 25.5                        | 82.9    | 87.4    | 87.4    | 93.3    | 93.3        | 94.8    | 95.0        | 95.3        | 96.3    | 96.5      | 96.5      | 97.8      | 97.8      | 98.5      | 98.5    |
| GE 200                | 25.5                        | 82.9    | 87.4    | 87.4    | 93.3    | 93.3        | 95.0    | 95.3        | 95.5        | 96.5    | 96.8      | 96.8      | 98.0      | 98.0      | 99.0      | 99.3    |
| GE 100                | 25.5                        | 82.9    | 87.4    | 87.4    | 93.3    | 93.3        | 95.0    | 95.3        | 95.5        | 96.5    | 96.8      | 96.8      | 98.0      | 98.0      | 99.0      | 100.0   |
| GE 000                | 25.5                        | 82.9    | 87.4    | 87.4    | 93.3    | 93.3        | 95.0    | 95.3        | 95.5        | 96.5    | 96.8      | 96.8      | 98.0      | 98.0      | 99.0      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 404



OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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               | 13.9                        | 31.0    | 31.5    | 31.5    | 32.4    | 32.4        | 33.1    | 33.1        | 33.2        | 33.5    | 33.5      | 33.5      | 33.9      | 33.9      | 33.9      | 33.9    |
| GE 20000              | 14.0                        | 31.7    | 32.2    | 32.2    | 33.2    | 33.2        | 33.8    | 33.8        | 33.9        | 34.3    | 34.3      | 34.3      | 34.6      | 34.6      | 34.7      | 34.7    |
| GE 18000              | 14.0                        | 31.8    | 32.3    | 32.3    | 33.3    | 33.3        | 33.9    | 33.9        | 34.1        | 34.4    | 34.4      | 34.4      | 34.8      | 34.8      | 34.8      | 34.8    |
| GE 16000              | 14.0                        | 31.8    | 32.3    | 32.3    | 33.3    | 33.3        | 33.9    | 33.9        | 34.1        | 34.4    | 34.4      | 34.4      | 34.8      | 34.8      | 34.8      | 34.8    |
| GE 14000              | 14.1                        | 31.9    | 32.4    | 32.4    | 33.4    | 33.4        | 34.1    | 34.1        | 34.2        | 34.5    | 34.5      | 34.5      | 34.9      | 34.9      | 35.0      | 35.0    |
| GE 12000              | 14.1                        | 32.0    | 32.5    | 32.5    | 33.5    | 33.5        | 34.1    | 34.1        | 34.3        | 34.6    | 34.6      | 34.6      | 35.0      | 35.0      | 35.0      | 35.0    |
| GE 10000              | 14.1                        | 32.4    | 33.0    | 33.0    | 34.1    | 34.1        | 34.7    | 34.7        | 34.8        | 35.2    | 35.2      | 35.2      | 35.5      | 35.5      | 35.6      | 35.6    |
| GE 9000               | 14.1                        | 32.6    | 33.2    | 33.2    | 34.3    | 34.3        | 35.0    | 35.0        | 35.1        | 35.4    | 35.4      | 35.4      | 35.8      | 35.8      | 35.9      | 35.9    |
| GE 8000               | 14.1                        | 33.0    | 33.6    | 33.6    | 34.7    | 34.7        | 35.3    | 35.3        | 35.5        | 35.8    | 35.8      | 35.8      | 36.2      | 36.2      | 36.2      | 36.2    |
| GE 7000               | 14.5                        | 34.0    | 34.6    | 34.6    | 35.7    | 35.7        | 36.4    | 36.4        | 36.5        | 36.9    | 36.9      | 36.9      | 37.2      | 37.2      | 37.3      | 37.3    |
| GE 6000               | 14.5                        | 34.4    | 35.0    | 35.0    | 36.1    | 36.1        | 36.8    | 36.8        | 36.9        | 37.2    | 37.2      | 37.2      | 37.6      | 37.6      | 37.7      | 37.7    |
| GE 5000               | 14.7                        | 35.9    | 36.5    | 36.5    | 37.8    | 37.8        | 38.5    | 38.5        | 38.6        | 39.0    | 39.0      | 39.0      | 39.3      | 39.3      | 39.4      | 39.4    |
| GE 4500               | 14.7                        | 36.0    | 36.6    | 36.6    | 37.8    | 37.8        | 38.6    | 38.6        | 38.7        | 39.0    | 39.0      | 39.0      | 39.4      | 39.4      | 39.5      | 39.5    |
| GE 4000               | 15.0                        | 38.4    | 39.1    | 39.1    | 40.4    | 40.4        | 41.1    | 41.1        | 41.2        | 41.6    | 41.6      | 41.6      | 41.9      | 41.9      | 42.0      | 42.0    |
| GE 3500               | 15.0                        | 38.5    | 39.2    | 39.2    | 40.5    | 40.5        | 41.2    | 41.2        | 41.4        | 41.7    | 41.7      | 41.7      | 42.1      | 42.1      | 42.1      | 42.1    |
| GE 3000               | 15.1                        | 40.4    | 41.2    | 41.2    | 42.4    | 42.4        | 43.2    | 43.2        | 43.3        | 43.7    | 43.7      | 43.7      | 44.1      | 44.1      | 44.2      | 44.2    |
| GE 2500               | 17.4                        | 47.3    | 48.1    | 48.1    | 49.6    | 49.6        | 50.4    | 50.4        | 50.5        | 51.0    | 51.0      | 51.0      | 51.5      | 51.5      | 51.6      | 51.6    |
| GE 2000               | 17.6                        | 52.2    | 53.0    | 53.0    | 54.8    | 54.8        | 55.6    | 55.6        | 55.7        | 56.2    | 56.2      | 56.2      | 56.8      | 56.8      | 56.9      | 56.9    |
| GE 1800               | 17.6                        | 52.4    | 53.2    | 53.2    | 55.1    | 55.1        | 55.9    | 55.9        | 56.0        | 56.5    | 56.5      | 56.5      | 57.1      | 57.1      | 57.2      | 57.2    |
| GE 1500               | 17.8                        | 56.3    | 57.4    | 57.4    | 59.4    | 59.4        | 60.2    | 60.2        | 60.3        | 60.9    | 60.9      | 60.9      | 61.5      | 61.5      | 61.7      | 61.7    |
| GE 1200               | 23.5                        | 73.5    | 76.0    | 76.0    | 79.3    | 79.3        | 80.6    | 80.6        | 80.7        | 81.9    | 82.0      | 82.0      | 82.7      | 82.7      | 82.9      | 82.9    |
| GE 1000               | 24.5                        | 79.9    | 83.4    | 83.4    | 87.6    | 87.6        | 89.3    | 89.3        | 89.5        | 91.1    | 91.3      | 91.3      | 92.0      | 92.0      | 92.3      | 92.3    |
| GE 900                | 24.5                        | 79.9    | 83.4    | 83.4    | 87.6    | 87.8        | 89.3    | 89.4        | 89.5        | 91.1    | 91.4      | 91.4      | 92.1      | 92.1      | 92.3      | 92.3    |
| GE 800                | 24.7                        | 80.1    | 83.8    | 83.8    | 88.1    | 88.2        | 89.7    | 89.9        | 90.0        | 91.7    | 92.0      | 92.0      | 92.8      | 92.8      | 93.0      | 93.0    |
| GE 700                | 25.1                        | 81.3    | 85.5    | 85.5    | 90.3    | 90.4        | 92.3    | 92.5        | 92.6        | 94.5    | 94.9      | 94.9      | 95.7      | 95.7      | 95.9      | 95.9    |
| GE 600                | 25.1                        | 81.3    | 85.5    | 85.5    | 90.4    | 90.5        | 92.4    | 92.6        | 92.7        | 94.5    | 94.9      | 94.9      | 95.9      | 95.9      | 96.1      | 96.1    |
| GE 500                | 25.1                        | 81.4    | 85.5    | 85.5    | 90.4    | 90.5        | 92.6    | 92.9        | 93.0        | 94.9    | 95.2      | 95.2      | 96.3      | 96.3      | 96.8      | 96.9    |
| GE 400                | 25.1                        | 82.0    | 86.2    | 86.2    | 91.3    | 91.4        | 93.5    | 93.8        | 93.9        | 96.0    | 96.4      | 96.4      | 97.6      | 97.6      | 98.2      | 98.3    |
| GE 300                | 25.1                        | 82.0    | 86.3    | 86.3    | 91.4    | 91.5        | 93.6    | 93.8        | 94.0        | 96.1    | 96.4      | 96.4      | 97.8      | 97.8      | 98.4      | 98.5    |
| GE 200                | 25.1                        | 82.1    | 86.4    | 86.4    | 91.4    | 91.6        | 93.7    | 94.0        | 94.2        | 96.3    | 96.6      | 96.6      | 98.3      | 98.3      | 99.0      | 99.3    |
| GE 100                | 25.1                        | 82.1    | 86.4    | 86.4    | 91.4    | 91.6        | 93.7    | 94.0        | 94.2        | 96.3    | 96.6      | 96.6      | 98.3      | 98.3      | 99.2      | 99.9    |
| GE 000                | 25.1                        | 82.1    | 86.4    | 86.4    | 91.4    | 91.6        | 93.7    | 94.0        | 94.2        | 96.3    | 96.6      | 96.6      | 98.4      | 98.4      | 99.2      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 1576

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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               | 18.9                        | 48.0    | 48.5    | 48.5    | 49.5    | 49.5        | 50.0    | 50.2        | 50.2        | 50.7    | 51.2      | 52.2      | 52.5      | 52.5      | 53.5      | 54.2    |
| GE 20000              | 18.9                        | 48.5    | 49.0    | 49.0    | 50.0    | 50.0        | 50.5    | 50.7        | 50.7        | 51.2    | 51.7      | 52.7      | 53.0      | 53.0      | 54.0      | 54.7    |
| GE 18000              | 18.9                        | 48.5    | 49.0    | 49.0    | 50.0    | 50.0        | 50.5    | 50.7        | 50.7        | 51.2    | 51.7      | 52.7      | 53.0      | 53.0      | 54.0      | 54.7    |
| GE 16000              | 18.9                        | 48.5    | 49.0    | 49.0    | 50.0    | 50.0        | 50.5    | 50.7        | 50.7        | 51.2    | 51.7      | 52.7      | 53.0      | 53.0      | 54.0      | 54.7    |
| GE 14000              | 18.9                        | 48.8    | 49.3    | 49.3    | 50.2    | 50.2        | 50.7    | 51.0        | 51.0        | 51.5    | 52.0      | 53.0      | 53.2      | 53.2      | 54.2      | 55.0    |
| GE 12000              | 18.9                        | 48.8    | 49.3    | 49.3    | 50.2    | 50.2        | 50.7    | 51.0        | 51.0        | 51.5    | 52.0      | 53.0      | 53.2      | 53.2      | 54.2      | 55.0    |
| GE 10000              | 19.7                        | 50.2    | 50.7    | 50.7    | 51.7    | 51.7        | 52.2    | 52.5        | 52.5        | 53.0    | 53.5      | 54.5      | 54.7      | 54.7      | 55.7      | 56.5    |
| GE 9000               | 19.7                        | 50.2    | 50.7    | 50.7    | 51.7    | 51.7        | 52.2    | 52.5        | 52.5        | 53.0    | 53.5      | 54.5      | 54.7      | 54.7      | 55.7      | 56.5    |
| GE 8000               | 19.7                        | 50.5    | 51.0    | 51.0    | 52.0    | 52.0        | 52.5    | 52.7        | 52.7        | 53.2    | 53.7      | 54.7      | 55.0      | 55.0      | 56.0      | 56.7    |
| GE 7000               | 19.7                        | 52.5    | 53.0    | 53.0    | 54.0    | 54.0        | 54.5    | 54.7        | 54.7        | 55.5    | 56.0      | 57.0      | 57.2      | 57.2      | 58.2      | 59.0    |
| GE 6000               | 19.7                        | 53.2    | 53.7    | 53.7    | 54.7    | 54.7        | 55.2    | 55.5        | 55.5        | 56.2    | 56.7      | 57.7      | 58.0      | 58.0      | 59.0      | 59.7    |
| GE 5000               | 20.1                        | 55.5    | 56.0    | 56.0    | 57.2    | 57.2        | 57.7    | 58.0        | 58.0        | 59.0    | 59.5      | 60.4      | 60.7      | 60.7      | 61.7      | 62.4    |
| GE 4500               | 20.1                        | 55.5    | 56.0    | 56.0    | 57.2    | 57.2        | 57.7    | 58.0        | 58.0        | 59.0    | 59.5      | 60.4      | 60.7      | 60.7      | 61.7      | 62.4    |
| GE 4000               | 20.1                        | 56.0    | 56.5    | 56.5    | 58.0    | 58.0        | 58.5    | 58.7        | 58.7        | 59.7    | 60.2      | 61.2      | 61.4      | 61.4      | 62.4      | 63.2    |
| GE 3500               | 20.1                        | 56.2    | 56.7    | 56.7    | 58.2    | 58.2        | 58.7    | 59.0        | 59.0        | 60.0    | 60.4      | 61.4      | 61.7      | 61.7      | 62.7      | 63.4    |
| GE 3000               | 20.1                        | 57.7    | 58.2    | 58.2    | 59.7    | 59.7        | 60.4    | 60.7        | 60.7        | 61.7    | 62.2      | 63.2      | 63.4      | 63.4      | 64.4      | 65.2    |
| GE 2500               | 20.4                        | 61.2    | 61.7    | 61.7    | 63.2    | 63.2        | 64.2    | 64.4        | 64.4        | 65.4    | 65.9      | 66.9      | 67.2      | 67.2      | 68.2      | 68.9    |
| GE 2000               | 20.4                        | 61.9    | 62.4    | 62.4    | 64.9    | 64.9        | 66.2    | 66.4        | 66.4        | 67.7    | 68.2      | 69.2      | 69.4      | 69.4      | 70.4      | 71.1    |
| GE 1800               | 20.4                        | 61.9    | 62.4    | 62.4    | 64.9    | 64.9        | 66.2    | 66.4        | 66.4        | 67.7    | 68.2      | 69.2      | 69.4      | 69.4      | 70.4      | 71.1    |
| GE 1500               | 20.4                        | 63.9    | 64.9    | 64.9    | 67.4    | 67.4        | 68.9    | 69.2        | 69.2        | 70.4    | 70.9      | 71.9      | 72.1      | 72.1      | 73.1      | 73.9    |
| GE 1200               | 24.9                        | 73.4    | 75.4    | 75.4    | 79.1    | 79.1        | 80.8    | 81.1        | 81.1        | 83.3    | 83.8      | 84.8      | 85.1      | 85.1      | 86.1      | 86.8    |
| GE 1000               | 25.9                        | 76.6    | 79.1    | 79.1    | 83.6    | 83.6        | 85.6    | 85.8        | 85.8        | 88.1    | 89.3      | 90.3      | 90.5      | 90.5      | 92.5      | 93.3    |
| GE 900                | 25.9                        | 76.6    | 79.4    | 79.4    | 83.8    | 83.8        | 85.8    | 86.1        | 86.1        | 88.3    | 89.6      | 90.5      | 90.8      | 90.8      | 92.8      | 93.5    |
| GE 800                | 25.9                        | 76.6    | 79.4    | 79.4    | 84.1    | 84.1        | 86.3    | 86.6        | 86.6        | 88.8    | 90.0      | 91.0      | 91.3      | 91.3      | 93.3      | 94.0    |
| GE 700                | 27.4                        | 78.9    | 81.6    | 81.6    | 86.6    | 86.6        | 88.8    | 89.1        | 89.1        | 91.3    | 92.5      | 93.5      | 93.8      | 93.8      | 95.8      | 96.5    |
| GE 600                | 27.4                        | 78.9    | 81.6    | 81.6    | 86.6    | 86.6        | 88.8    | 89.1        | 89.1        | 91.3    | 92.5      | 93.5      | 94.0      | 94.0      | 96.0      | 96.8    |
| GE 500                | 27.4                        | 78.9    | 81.6    | 81.6    | 86.6    | 86.6        | 89.1    | 89.3        | 89.3        | 91.8    | 93.0      | 94.0      | 94.5      | 94.5      | 96.5      | 97.5    |
| GE 400                | 27.4                        | 78.9    | 81.6    | 81.6    | 86.6    | 86.6        | 89.1    | 89.3        | 89.3        | 91.8    | 93.0      | 94.0      | 94.5      | 94.5      | 96.5      | 97.5    |
| GE 300                | 27.4                        | 78.9    | 81.6    | 81.6    | 86.8    | 86.8        | 89.3    | 89.6        | 89.6        | 92.0    | 93.3      | 94.3      | 94.8      | 94.8      | 96.8      | 97.8    |
| GE 200                | 27.4                        | 79.1    | 81.8    | 81.8    | 87.1    | 87.1        | 89.6    | 89.8        | 89.8        | 92.3    | 93.5      | 94.5      | 95.3      | 95.5      | 97.5      | 98.5    |
| GE 100                | 27.4                        | 79.1    | 81.8    | 81.8    | 87.1    | 87.1        | 89.6    | 89.8        | 89.8        | 92.3    | 93.5      | 94.5      | 95.3      | 95.5      | 98.8      | 99.8    |
| GE 000                | 27.4                        | 79.1    | 81.8    | 81.8    | 87.1    | 87.1        | 89.6    | 89.8        | 89.8        | 92.3    | 93.5      | 94.5      | 95.3      | 95.5      | 98.8      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 402

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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               | 18.1                        | 45.8    | 46.4    | 46.4    | 48.5    | 48.5        | 48.8    | 49.3        | 49.3        | 50.9    | 51.2      | 51.2      | 53.1      | 53.1      | 53.6      | 54.2    |
| GE 20000              | 18.1                        | 46.4    | 46.9    | 46.9    | 49.1    | 49.1        | 49.3    | 49.9        | 49.9        | 51.5    | 51.8      | 51.8      | 53.6      | 53.6      | 54.2      | 54.7    |
| GE 18000              | 18.1                        | 46.4    | 46.9    | 46.9    | 49.1    | 49.1        | 49.3    | 49.9        | 49.9        | 51.5    | 51.8      | 51.8      | 53.6      | 53.6      | 54.2      | 54.7    |
| GE 16000              | 18.1                        | 46.4    | 46.9    | 46.9    | 49.1    | 49.1        | 49.3    | 49.9        | 49.9        | 51.5    | 51.8      | 51.8      | 53.6      | 53.6      | 54.2      | 54.7    |
| GE 14000              | 18.1                        | 46.4    | 46.9    | 46.9    | 49.1    | 49.1        | 49.3    | 49.9        | 49.9        | 51.5    | 51.8      | 51.8      | 53.6      | 53.6      | 54.2      | 54.7    |
| GE 12000              | 18.1                        | 46.4    | 46.9    | 46.9    | 49.1    | 49.1        | 49.3    | 49.9        | 49.9        | 51.5    | 51.8      | 51.8      | 53.6      | 53.6      | 54.2      | 54.7    |
| GE 10000              | 18.1                        | 47.7    | 48.2    | 48.2    | 50.4    | 50.4        | 50.7    | 51.2        | 51.2        | 52.8    | 53.1      | 53.1      | 55.0      | 55.0      | 55.5      | 56.1    |
| GE 9000               | 18.1                        | 48.0    | 48.5    | 48.5    | 50.7    | 50.7        | 50.9    | 51.5        | 51.5        | 53.1    | 53.4      | 53.4      | 55.3      | 55.3      | 55.8      | 56.3    |
| GE 8000               | 18.1                        | 48.0    | 48.5    | 48.5    | 50.7    | 50.7        | 50.9    | 51.5        | 51.5        | 53.1    | 53.4      | 53.4      | 55.3      | 55.3      | 55.8      | 56.3    |
| GE 7000               | 18.1                        | 48.8    | 49.3    | 49.3    | 51.5    | 51.5        | 51.8    | 52.3        | 52.3        | 53.9    | 54.2      | 54.2      | 56.1      | 56.1      | 56.6      | 57.1    |
| GE 6000               | 18.1                        | 48.8    | 49.3    | 49.3    | 51.5    | 51.5        | 51.8    | 52.3        | 52.3        | 53.9    | 54.2      | 54.2      | 56.1      | 56.1      | 56.6      | 57.1    |
| GE 5000               | 18.3                        | 50.4    | 50.9    | 50.9    | 53.1    | 53.1        | 53.4    | 53.9        | 53.9        | 55.5    | 55.8      | 55.8      | 57.7      | 57.7      | 58.2      | 58.8    |
| GE 4500               | 18.3                        | 50.4    | 50.9    | 50.9    | 53.1    | 53.1        | 53.4    | 53.9        | 53.9        | 55.5    | 55.8      | 55.8      | 57.7      | 57.7      | 58.2      | 58.8    |
| GE 4000               | 18.3                        | 50.9    | 51.5    | 51.5    | 53.6    | 53.6        | 53.9    | 54.4        | 54.4        | 56.3    | 56.6      | 56.6      | 58.8      | 58.8      | 59.3      | 59.8    |
| GE 3500               | 18.3                        | 50.9    | 51.5    | 51.5    | 53.6    | 53.6        | 53.9    | 54.4        | 54.4        | 56.3    | 56.6      | 56.6      | 58.8      | 58.8      | 59.3      | 59.8    |
| GE 3000               | 18.3                        | 52.6    | 53.1    | 53.1    | 55.3    | 55.3        | 55.5    | 56.1        | 56.1        | 58.0    | 58.2      | 58.2      | 60.4      | 60.4      | 60.9      | 61.5    |
| GE 2500               | 18.3                        | 57.1    | 58.0    | 58.0    | 60.1    | 60.1        | 60.4    | 60.9        | 60.9        | 62.8    | 63.1      | 63.1      | 65.2      | 65.2      | 65.8      | 66.3    |
| GE 2000               | 18.6                        | 59.3    | 60.1    | 60.1    | 62.3    | 62.3        | 62.5    | 63.1        | 63.1        | 65.0    | 65.2      | 65.2      | 67.4      | 67.4      | 67.9      | 68.5    |
| GE 1800               | 18.6                        | 59.8    | 60.6    | 60.6    | 62.8    | 62.8        | 63.1    | 63.6        | 63.6        | 65.5    | 65.8      | 65.8      | 67.9      | 67.9      | 68.5      | 69.0    |
| GE 1500               | 19.1                        | 61.5    | 63.3    | 63.3    | 65.5    | 65.5        | 66.3    | 66.8        | 66.8        | 69.0    | 69.3      | 69.3      | 71.4      | 71.4      | 72.0      | 72.5    |
| GE 1200               | 21.8                        | 71.2    | 73.9    | 73.9    | 77.4    | 77.4        | 78.7    | 79.5        | 79.5        | 82.2    | 82.5      | 82.5      | 84.9      | 84.9      | 86.0      | 86.5    |
| GE 1000               | 24.3                        | 76.8    | 80.3    | 80.3    | 84.6    | 84.6        | 86.3    | 87.1        | 87.1        | 90.0    | 90.6      | 90.6      | 93.0      | 93.0      | 94.3      | 94.9    |
| GE 900                | 24.3                        | 76.8    | 80.3    | 80.3    | 84.6    | 84.6        | 86.3    | 87.1        | 87.1        | 90.0    | 90.6      | 90.6      | 93.3      | 93.3      | 94.6      | 95.1    |
| GE 800                | 24.3                        | 76.8    | 80.3    | 80.3    | 85.2    | 85.2        | 86.8    | 87.6        | 87.6        | 90.6    | 91.1      | 91.1      | 93.8      | 93.8      | 95.1      | 95.7    |
| GE 700                | 24.3                        | 78.2    | 81.7    | 81.7    | 86.5    | 86.5        | 88.1    | 88.9        | 88.9        | 91.9    | 92.5      | 92.5      | 95.1      | 95.1      | 96.5      | 97.0    |
| GE 600                | 24.3                        | 78.2    | 81.7    | 81.7    | 86.5    | 86.5        | 88.4    | 89.2        | 89.2        | 92.2    | 92.7      | 92.7      | 95.4      | 95.4      | 96.8      | 97.3    |
| GE 500                | 24.3                        | 78.2    | 81.7    | 81.7    | 86.5    | 86.5        | 88.4    | 89.2        | 89.2        | 92.2    | 92.7      | 92.7      | 95.4      | 95.4      | 96.8      | 97.3    |
| GE 400                | 24.3                        | 78.4    | 81.9    | 81.9    | 87.1    | 87.1        | 88.9    | 89.8        | 89.8        | 93.0    | 93.5      | 93.5      | 96.5      | 96.5      | 97.8      | 98.4    |
| GE 300                | 24.3                        | 78.4    | 81.9    | 81.9    | 87.1    | 87.1        | 89.2    | 90.0        | 90.0        | 93.3    | 93.8      | 93.8      | 96.8      | 96.8      | 98.1      | 98.9    |
| GE 200                | 24.3                        | 78.4    | 81.9    | 81.9    | 87.1    | 87.1        | 89.2    | 90.0        | 90.0        | 93.3    | 93.8      | 93.8      | 97.0      | 97.0      | 98.4      | 99.5    |
| GE 100                | 24.3                        | 78.7    | 82.2    | 82.2    | 87.3    | 87.3        | 89.5    | 90.3        | 90.3        | 93.5    | 94.1      | 94.1      | 97.3      | 97.3      | 98.7      | 100.0   |
| GE 000                | 24.3                        | 78.7    | 82.2    | 82.2    | 87.3    | 87.3        | 89.5    | 90.3        | 90.3        | 93.5    | 94.1      | 94.1      | 97.3      | 97.3      | 98.7      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 371

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
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               | 17.0                        | 39.4    | 40.2    | 40.2    | 42.8    | 42.8        | 43.4    | 43.6        | 43.6        | 44.1    | 44.7      | 44.7      | 45.7      | 46.3      | 46.8      | 48.7    |
| GE 20000              | 17.3                        | 40.2    | 41.0    | 41.0    | 43.6    | 43.6        | 44.1    | 44.4        | 44.4        | 44.9    | 45.5      | 45.5      | 46.5      | 47.1      | 47.6      | 49.5    |
| GE 18000              | 17.3                        | 40.2    | 41.0    | 41.0    | 43.6    | 43.6        | 44.1    | 44.4        | 44.4        | 44.9    | 45.5      | 45.5      | 46.5      | 47.1      | 47.6      | 49.5    |
| GE 16000              | 17.3                        | 40.2    | 41.0    | 41.0    | 43.6    | 43.6        | 44.1    | 44.4        | 44.4        | 44.9    | 45.5      | 45.5      | 46.5      | 47.1      | 47.6      | 49.5    |
| GE 14000              | 17.3                        | 41.2    | 42.0    | 42.0    | 44.7    | 44.7        | 45.2    | 45.5        | 45.5        | 46.0    | 46.5      | 46.5      | 47.6      | 48.1      | 48.7      | 50.5    |
| GE 12000              | 17.3                        | 41.2    | 42.0    | 42.0    | 44.7    | 44.7        | 45.2    | 45.5        | 45.5        | 46.0    | 46.5      | 46.5      | 47.6      | 48.1      | 48.7      | 50.5    |
| GE 10000              | 18.1                        | 42.8    | 43.6    | 43.6    | 46.3    | 46.3        | 46.8    | 47.1        | 47.1        | 47.6    | 48.1      | 48.1      | 49.2      | 49.7      | 50.3      | 52.1    |
| GE 9000               | 18.1                        | 43.1    | 43.9    | 43.9    | 46.5    | 46.5        | 47.1    | 47.3        | 47.3        | 47.9    | 48.4      | 48.4      | 49.5      | 50.0      | 50.5      | 52.4    |
| GE 8000               | 18.1                        | 43.4    | 44.1    | 44.1    | 46.8    | 46.8        | 47.3    | 47.6        | 47.6        | 48.1    | 48.7      | 48.7      | 49.7      | 50.3      | 50.8      | 52.7    |
| GE 7000               | 18.1                        | 44.1    | 45.2    | 45.2    | 47.9    | 47.9        | 48.4    | 48.7        | 48.7        | 49.2    | 49.7      | 49.7      | 50.8      | 51.3      | 51.9      | 53.7    |
| GE 6000               | 18.1                        | 44.4    | 45.5    | 45.5    | 48.4    | 48.4        | 48.9    | 49.2        | 49.2        | 49.7    | 50.3      | 50.3      | 51.3      | 51.9      | 52.4      | 54.3    |
| GE 5000               | 18.4                        | 47.1    | 48.1    | 48.1    | 51.1    | 51.1        | 51.6    | 51.9        | 51.9        | 52.4    | 52.9      | 53.2      | 54.5      | 55.1      | 55.6      | 57.4    |
| GE 4500               | 18.4                        | 47.1    | 48.1    | 48.1    | 51.1    | 51.1        | 51.6    | 51.9        | 51.9        | 52.4    | 52.9      | 53.2      | 54.5      | 55.1      | 55.6      | 57.4    |
| GE 4000               | 18.9                        | 48.9    | 50.0    | 50.0    | 52.9    | 52.9        | 53.5    | 53.7        | 53.7        | 54.3    | 54.8      | 55.1      | 56.4      | 56.9      | 57.4      | 59.3    |
| GE 3500               | 18.9                        | 49.2    | 50.3    | 50.3    | 53.2    | 53.2        | 53.7    | 54.0        | 54.0        | 54.5    | 55.1      | 55.3      | 56.6      | 57.2      | 57.7      | 59.6    |
| GE 3000               | 19.1                        | 50.5    | 51.6    | 51.6    | 54.8    | 54.8        | 55.3    | 55.6        | 55.6        | 56.1    | 56.6      | 56.9      | 58.2      | 58.8      | 59.6      | 61.4    |
| GE 2500               | 19.7                        | 53.7    | 55.1    | 55.1    | 58.2    | 58.2        | 58.8    | 59.3        | 59.3        | 59.8    | 60.4      | 60.6      | 62.0      | 62.5      | 63.3      | 65.2    |
| GE 2000               | 20.5                        | 55.6    | 56.9    | 56.9    | 60.1    | 60.1        | 60.6    | 61.2        | 61.2        | 61.7    | 62.2      | 62.5      | 63.8      | 64.4      | 65.2      | 67.0    |
| GE 1800               | 20.5                        | 55.6    | 56.9    | 56.9    | 60.1    | 60.1        | 60.6    | 61.2        | 61.2        | 61.7    | 62.2      | 62.5      | 63.8      | 64.4      | 65.2      | 67.0    |
| GE 1500               | 21.0                        | 57.2    | 59.0    | 59.0    | 62.2    | 62.2        | 63.0    | 63.6        | 63.6        | 64.4    | 64.9      | 65.2      | 66.5      | 67.0      | 67.8      | 69.7    |
| GE 1200               | 23.1                        | 64.6    | 67.6    | 67.6    | 71.3    | 71.3        | 72.1    | 72.6        | 72.6        | 74.5    | 75.0      | 75.3      | 76.9      | 77.4      | 78.2      | 80.3    |
| GE 1000               | 24.2                        | 67.6    | 71.0    | 71.0    | 75.8    | 75.8        | 77.1    | 77.7        | 77.7        | 80.9    | 81.4      | 81.6      | 83.5      | 84.0      | 85.1      | 87.5    |
| GE 900                | 24.2                        | 67.6    | 71.0    | 71.0    | 76.1    | 76.1        | 77.4    | 77.9        | 77.9        | 81.1    | 81.6      | 81.9      | 83.8      | 84.3      | 85.4      | 87.8    |
| GE 800                | 24.2                        | 68.1    | 71.5    | 71.5    | 77.1    | 77.1        | 78.5    | 79.0        | 79.0        | 82.2    | 82.7      | 83.0      | 84.8      | 85.4      | 86.4      | 88.8    |
| GE 700                | 24.2                        | 68.9    | 72.6    | 72.6    | 78.2    | 78.2        | 79.5    | 80.1        | 80.1        | 83.5    | 84.0      | 84.3      | 86.2      | 86.7      | 88.0      | 90.4    |
| GE 600                | 24.2                        | 68.9    | 72.5    | 72.6    | 78.2    | 78.2        | 79.5    | 80.1        | 80.1        | 83.5    | 84.0      | 84.3      | 86.2      | 86.7      | 88.0      | 90.4    |
| GE 500                | 24.2                        | 68.9    | 72.6    | 72.6    | 78.5    | 78.5        | 79.8    | 80.6        | 80.6        | 84.0    | 84.6      | 84.8      | 86.7      | 87.2      | 89.1      | 91.8    |
| GE 400                | 24.2                        | 69.7    | 73.7    | 73.7    | 80.1    | 80.1        | 81.4    | 82.4        | 82.4        | 86.4    | 87.2      | 87.5      | 89.4      | 89.9      | 92.0      | 94.7    |
| GE 300                | 24.2                        | 69.7    | 73.7    | 73.7    | 80.3    | 80.3        | 81.9    | 83.0        | 83.0        | 87.0    | 87.8      | 88.0      | 90.2      | 90.7      | 92.8      | 95.5    |
| GE 200                | 24.2                        | 69.7    | 73.7    | 73.7    | 80.3    | 80.3        | 81.9    | 83.0        | 83.0        | 87.0    | 87.8      | 88.0      | 90.7      | 91.5      | 93.6      | 96.8    |
| GE 100                | 24.2                        | 69.7    | 73.7    | 73.7    | 80.3    | 80.3        | 81.9    | 83.0        | 83.0        | 87.0    | 87.8      | 88.0      | 90.7      | 91.5      | 94.4      | 99.7    |
| GE 000                | 24.2                        | 69.7    | 73.7    | 73.7    | 80.3    | 80.3        | 81.9    | 83.0        | 83.0        | 87.0    | 87.8      | 88.0      | 90.7      | 91.5      | 94.4      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 376

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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               | 18.6                        | 46.0    | 46.5    | 46.5    | 48.0    | 48.0        | 48.7    | 49.0        | 49.0        | 50.0    | 50.3      | 50.3      | 50.8      | 50.8      | 51.3      | 52.5    |
| GE 20000              | 18.8                        | 46.2    | 46.7    | 46.7    | 48.2    | 48.2        | 49.0    | 49.2        | 49.2        | 50.3    | 50.5      | 50.5      | 51.0      | 51.0      | 51.5      | 52.8    |
| GE 18000              | 18.8                        | 46.2    | 46.7    | 46.7    | 48.2    | 48.2        | 49.0    | 49.2        | 49.2        | 50.3    | 50.5      | 50.5      | 51.0      | 51.0      | 51.5      | 52.8    |
| GE 16000              | 18.8                        | 46.2    | 46.7    | 46.7    | 48.2    | 48.2        | 49.0    | 49.2        | 49.2        | 50.3    | 50.5      | 50.5      | 51.0      | 51.0      | 51.5      | 52.8    |
| GE 14000              | 18.8                        | 46.2    | 46.7    | 46.7    | 48.2    | 48.2        | 49.0    | 49.2        | 49.2        | 50.3    | 50.5      | 50.5      | 51.0      | 51.0      | 51.5      | 52.8    |
| GE 12000              | 18.8                        | 46.2    | 46.7    | 46.7    | 48.2    | 48.2        | 49.0    | 49.2        | 49.2        | 50.3    | 50.5      | 50.5      | 51.0      | 51.0      | 51.5      | 52.8    |
| GE 10000              | 18.8                        | 46.7    | 47.2    | 47.2    | 48.7    | 48.7        | 49.5    | 49.7        | 49.7        | 50.8    | 51.0      | 51.0      | 51.5      | 51.5      | 52.0      | 53.3    |
| GE 9000               | 18.8                        | 46.7    | 47.2    | 47.2    | 48.7    | 48.7        | 49.5    | 49.7        | 49.7        | 50.8    | 51.0      | 51.0      | 51.5      | 51.5      | 52.0      | 53.3    |
| GE 8000               | 18.8                        | 46.7    | 47.2    | 47.2    | 48.7    | 48.7        | 49.5    | 49.7        | 49.7        | 50.8    | 51.0      | 51.0      | 51.5      | 51.5      | 52.0      | 53.3    |
| GE 7000               | 19.1                        | 47.5    | 48.0    | 48.0    | 49.5    | 49.5        | 50.3    | 50.5        | 50.5        | 51.5    | 51.8      | 51.8      | 52.5      | 52.5      | 53.0      | 54.3    |
| GE 6000               | 19.1                        | 48.0    | 48.5    | 48.5    | 50.3    | 50.3        | 51.0    | 51.3        | 51.3        | 52.3    | 52.5      | 52.5      | 53.3      | 53.3      | 53.8      | 55.0    |
| GE 5000               | 19.6                        | 49.5    | 50.3    | 50.3    | 52.0    | 52.0        | 52.8    | 53.0        | 53.0        | 54.0    | 54.3      | 54.3      | 55.0      | 55.0      | 55.5      | 56.8    |
| GE 4500               | 19.6                        | 49.5    | 50.3    | 50.3    | 52.0    | 52.0        | 52.8    | 53.0        | 53.0        | 54.0    | 54.3      | 54.3      | 55.0      | 55.0      | 55.5      | 56.8    |
| GE 4000               | 19.6                        | 51.0    | 51.8    | 51.8    | 53.5    | 53.5        | 54.5    | 54.8        | 54.8        | 55.8    | 56.0      | 56.0      | 56.8      | 56.8      | 57.3      | 58.5    |
| GE 3500               | 19.6                        | 51.3    | 52.0    | 52.0    | 53.8    | 53.8        | 54.8    | 55.0        | 55.0        | 56.0    | 56.3      | 56.3      | 57.0      | 57.0      | 57.5      | 58.8    |
| GE 3000               | 19.6                        | 53.3    | 54.0    | 54.0    | 55.8    | 55.8        | 57.0    | 57.3        | 57.3        | 58.3    | 58.5      | 58.5      | 59.3      | 59.3      | 59.8      | 61.1    |
| GE 2500               | 21.4                        | 58.3    | 59.0    | 59.0    | 61.1    | 61.1        | 62.3    | 62.6        | 62.6        | 63.6    | 63.8      | 63.8      | 64.6      | 64.6      | 65.1      | 66.3    |
| GE 2000               | 21.6                        | 59.5    | 60.3    | 60.3    | 62.3    | 62.3        | 63.8    | 64.1        | 64.1        | 65.1    | 65.3      | 65.3      | 66.1      | 66.3      | 66.8      | 68.1    |
| GE 1800               | 21.6                        | 59.5    | 60.3    | 60.3    | 62.3    | 62.3        | 63.8    | 64.1        | 64.1        | 65.1    | 65.3      | 65.3      | 66.1      | 66.3      | 66.8      | 68.1    |
| GE 1500               | 21.6                        | 61.6    | 62.8    | 62.8    | 65.3    | 65.3        | 66.8    | 67.1        | 67.1        | 68.1    | 68.3      | 68.3      | 69.1      | 69.3      | 69.8      | 71.1    |
| GE 1200               | 25.4                        | 69.3    | 71.9    | 71.9    | 75.6    | 75.6        | 77.1    | 77.4        | 77.4        | 78.9    | 79.1      | 79.1      | 80.2      | 80.4      | 80.9      | 82.2    |
| GE 1000               | 26.9                        | 74.4    | 77.6    | 77.6    | 81.9    | 81.9        | 84.2    | 84.9        | 84.9        | 88.2    | 88.4      | 88.4      | 89.7      | 89.9      | 90.5      | 92.0    |
| GE 900                | 26.9                        | 74.4    | 77.6    | 77.6    | 81.9    | 81.9        | 84.2    | 84.9        | 84.9        | 88.2    | 88.4      | 88.4      | 89.7      | 89.9      | 90.5      | 92.0    |
| GE 800                | 26.9                        | 74.4    | 77.6    | 77.6    | 81.9    | 81.9        | 84.2    | 85.2        | 85.2        | 88.7    | 88.9      | 88.9      | 90.2      | 90.5      | 91.0      | 92.5    |
| GE 700                | 28.6                        | 77.1    | 80.7    | 80.7    | 85.2    | 85.2        | 87.4    | 88.4        | 88.4        | 92.2    | 92.5      | 92.5      | 93.7      | 94.0      | 94.5      | 96.0    |
| GE 600                | 28.6                        | 77.1    | 80.7    | 80.7    | 85.4    | 85.4        | 87.7    | 88.7        | 88.7        | 92.5    | 92.7      | 92.7      | 94.0      | 94.2      | 94.7      | 96.2    |
| GE 500                | 28.6                        | 77.1    | 80.7    | 80.7    | 85.4    | 85.4        | 87.7    | 88.7        | 88.7        | 92.7    | 93.0      | 93.0      | 94.2      | 94.5      | 95.0      | 96.5    |
| GE 400                | 28.6                        | 77.1    | 80.7    | 80.7    | 85.4    | 85.4        | 87.7    | 88.7        | 88.7        | 93.0    | 93.2      | 93.2      | 94.7      | 95.0      | 95.5      | 97.0    |
| GE 300                | 28.6                        | 77.1    | 80.7    | 80.7    | 85.4    | 85.4        | 87.7    | 88.7        | 88.7        | 93.0    | 93.2      | 93.2      | 95.0      | 95.2      | 95.7      | 97.2    |
| GE 200                | 28.6                        | 77.1    | 80.7    | 80.7    | 85.4    | 85.4        | 87.7    | 88.7        | 88.7        | 93.0    | 93.2      | 93.2      | 95.2      | 95.5      | 96.0      | 97.5    |
| GE 100                | 28.6                        | 77.1    | 80.7    | 80.7    | 85.4    | 85.4        | 87.7    | 88.7        | 88.7        | 93.0    | 93.2      | 93.2      | 95.2      | 95.5      | 97.2      | 100.0   |
| GE 000                | 28.6                        | 77.1    | 80.7    | 80.7    | 85.4    | 85.4        | 87.7    | 88.7        | 88.7        | 93.0    | 93.2      | 93.2      | 95.2      | 95.5      | 97.2      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 398

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
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               | 18.2                        | 44.9    | 45.4    | 45.4    | 47.3    | 47.3        | 47.8    | 48.1        | 48.1        | 49.0    | 49.4      | 49.6      | 50.5      | 50.7      | 51.3      | 52.4    |
| GE 20000              | 18.3                        | 45.4    | 46.0    | 46.0    | 47.8    | 47.8        | 48.3    | 48.6        | 48.6        | 49.5    | 49.9      | 50.2      | 51.1      | 51.2      | 51.8      | 52.9    |
| GE 18000              | 18.3                        | 45.4    | 46.0    | 46.0    | 47.8    | 47.8        | 48.3    | 48.6        | 48.6        | 49.5    | 49.9      | 50.2      | 51.1      | 51.2      | 51.8      | 52.9    |
| GE 16000              | 18.3                        | 45.4    | 46.0    | 46.0    | 47.8    | 47.8        | 48.3    | 48.6        | 48.6        | 49.5    | 49.9      | 50.2      | 51.1      | 51.2      | 51.8      | 52.9    |
| GE 14000              | 18.3                        | 45.7    | 46.3    | 46.3    | 48.1    | 48.1        | 48.6    | 48.9        | 48.9        | 49.8    | 50.2      | 50.5      | 51.4      | 51.5      | 52.2      | 53.3    |
| GE 12000              | 18.3                        | 45.7    | 46.3    | 46.3    | 48.1    | 48.1        | 48.6    | 48.9        | 48.9        | 49.8    | 50.2      | 50.5      | 51.4      | 51.5      | 52.2      | 53.3    |
| GE 10000              | 18.7                        | 46.9    | 47.5    | 47.5    | 49.3    | 49.3        | 49.8    | 50.2        | 50.2        | 51.1    | 51.5      | 51.7      | 52.6      | 52.7      | 53.4      | 54.5    |
| GE 9000               | 18.7                        | 47.1    | 47.6    | 47.6    | 49.5    | 49.5        | 50.0    | 50.3        | 50.3        | 51.2    | 51.6      | 51.8      | 52.7      | 52.9      | 53.5      | 54.6    |
| GE 8000               | 18.7                        | 47.2    | 47.8    | 47.8    | 49.6    | 49.6        | 50.1    | 50.4        | 50.4        | 51.3    | 51.7      | 52.0      | 52.9      | 53.0      | 53.7      | 54.8    |
| GE 7000               | 18.7                        | 48.3    | 48.9    | 48.9    | 50.7    | 50.7        | 51.3    | 51.6        | 51.6        | 52.6    | 52.9      | 53.2      | 54.2      | 54.3      | 54.9      | 56.0    |
| GE 6000               | 18.7                        | 48.7    | 49.3    | 49.3    | 51.3    | 51.3        | 51.8    | 52.1        | 52.1        | 53.1    | 53.5      | 53.7      | 54.7      | 54.8      | 55.5      | 56.6    |
| GE 5000               | 19.1                        | 50.7    | 51.4    | 51.4    | 53.4    | 53.4        | 53.9    | 54.2        | 54.2        | 55.3    | 55.7      | 56.0      | 57.0      | 57.1      | 57.8      | 58.9    |
| GE 4500               | 19.1                        | 50.7    | 51.4    | 51.4    | 53.4    | 53.4        | 53.9    | 54.2        | 54.2        | 55.3    | 55.7      | 56.0      | 57.0      | 57.1      | 57.8      | 58.9    |
| GE 4000               | 19.3                        | 51.8    | 52.5    | 52.5    | 54.6    | 54.6        | 55.1    | 55.5        | 55.5        | 56.6    | 56.9      | 57.3      | 58.4      | 58.5      | 59.1      | 60.2    |
| GE 3500               | 19.3                        | 52.0    | 52.7    | 52.7    | 54.8    | 54.8        | 55.3    | 55.7        | 55.7        | 56.8    | 57.1      | 57.5      | 58.6      | 58.7      | 59.3      | 60.4    |
| GE 3000               | 19.3                        | 53.6    | 54.3    | 54.3    | 56.4    | 56.4        | 57.1    | 57.5        | 57.5        | 58.6    | 59.0      | 59.3      | 60.4      | 60.5      | 61.2      | 62.3    |
| GE 2500               | 20.0                        | 57.7    | 58.5    | 58.5    | 60.7    | 60.7        | 61.5    | 61.9        | 61.9        | 63.0    | 63.3      | 63.7      | 64.8      | 64.9      | 65.6      | 66.7    |
| GE 2000               | 20.3                        | 59.1    | 60.0    | 60.0    | 62.4    | 62.4        | 63.3    | 63.7        | 63.7        | 64.9    | 65.3      | 65.6      | 66.7      | 66.9      | 67.6      | 68.7    |
| GE 1800               | 20.3                        | 59.3    | 60.1    | 60.1    | 62.6    | 62.6        | 63.5    | 63.9        | 63.9        | 65.0    | 65.4      | 65.7      | 66.8      | 67.0      | 67.7      | 68.8    |
| GE 1500               | 20.6                        | 61.1    | 62.6    | 62.6    | 65.2    | 65.2        | 66.3    | 66.7        | 66.7        | 68.0    | 68.4      | 68.7      | 69.8      | 70.0      | 70.7      | 71.8    |
| GE 1200               | 23.9                        | 69.7    | 72.2    | 72.2    | 75.9    | 75.9        | 77.2    | 77.7        | 77.7        | 79.8    | 80.2      | 80.5      | 81.8      | 82.0      | 82.8      | 84.0    |
| GE 1000               | 25.3                        | 73.9    | 77.1    | 77.1    | 81.5    | 81.5        | 83.3    | 83.9        | 83.9        | 86.8    | 87.5      | 87.8      | 89.2      | 89.4      | 90.6      | 91.9    |
| GE 900                | 25.3                        | 73.9    | 77.1    | 77.1    | 81.6    | 81.6        | 83.5    | 84.0        | 84.0        | 86.9    | 87.6      | 87.9      | 89.4      | 89.6      | 90.8      | 92.1    |
| GE 800                | 25.3                        | 74.0    | 77.2    | 77.2    | 82.1    | 82.1        | 84.0    | 84.6        | 84.6        | 87.6    | 88.2      | 88.6      | 90.0      | 90.2      | 91.5      | 92.8    |
| GE 700                | 26.2                        | 75.8    | 79.2    | 79.2    | 84.2    | 84.2        | 86.0    | 86.7        | 86.7        | 89.8    | 90.4      | 90.8      | 92.2      | 92.4      | 93.7      | 95.0    |
| GE 600                | 26.2                        | 75.8    | 79.2    | 79.2    | 84.2    | 84.2        | 86.2    | 86.8        | 86.8        | 89.9    | 90.6      | 90.9      | 92.4      | 92.6      | 93.9      | 95.2    |
| GE 500                | 26.2                        | 75.8    | 79.2    | 79.2    | 84.3    | 84.3        | 86.3    | 87.0        | 87.0        | 90.2    | 90.9      | 91.2      | 92.8      | 93.0      | 94.4      | 95.8    |
| GE 400                | 26.2                        | 76.1    | 79.5    | 79.5    | 84.8    | 84.8        | 86.8    | 87.6        | 87.6        | 91.1    | 91.8      | 92.1      | 93.8      | 94.0      | 95.5      | 96.9    |
| GE 300                | 26.2                        | 76.1    | 79.5    | 79.5    | 84.9    | 84.9        | 87.1    | 87.8        | 87.8        | 91.3    | 92.0      | 92.4      | 94.2      | 94.4      | 95.9      | 97.3    |
| GE 200                | 26.2                        | 76.1    | 79.6    | 79.6    | 85.0    | 85.0        | 87.1    | 87.9        | 87.9        | 91.4    | 92.1      | 92.4      | 94.6      | 94.9      | 96.4      | 98.1    |
| GE 100                | 26.2                        | 76.2    | 79.6    | 79.6    | 85.1    | 85.1        | 87.2    | 88.0        | 88.0        | 91.5    | 92.2      | 92.5      | 94.6      | 95.0      | 97.3      | 99.9    |
| GE 000                | 26.2                        | 76.2    | 79.6    | 79.6    | 85.1    | 85.1        | 87.2    | 88.0        | 88.0        | 91.5    | 92.2      | 92.5      | 94.6      | 95.0      | 97.3      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 1547

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
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               | 15.2                        | 48.0    | 50.5    | 50.5    | 52.5    | 52.5        | 54.3    | 54.6        | 54.6        | 57.6    | 57.9      | 57.9      | 59.4      | 59.4      | 60.7      | 61.9    |
| GE 20000              | 15.5                        | 49.0    | 51.5    | 51.5    | 53.6    | 53.6        | 55.6    | 55.8        | 55.8        | 58.9    | 59.1      | 59.1      | 60.7      | 60.7      | 61.9      | 63.2    |
| GE 18000              | 15.5                        | 49.0    | 51.5    | 51.5    | 53.6    | 53.6        | 55.6    | 55.8        | 55.8        | 58.9    | 59.1      | 59.1      | 60.7      | 60.7      | 61.9      | 63.2    |
| GE 16000              | 15.5                        | 49.0    | 51.5    | 51.5    | 53.6    | 53.6        | 55.6    | 55.8        | 55.8        | 58.9    | 59.1      | 59.1      | 60.7      | 60.7      | 61.9      | 63.2    |
| GE 14000              | 15.5                        | 49.2    | 51.8    | 51.8    | 53.8    | 53.8        | 55.8    | 56.1        | 56.1        | 59.1    | 59.4      | 59.4      | 60.9      | 60.9      | 62.2      | 63.5    |
| GE 12000              | 15.5                        | 49.2    | 51.8    | 51.8    | 53.8    | 53.8        | 55.8    | 56.1        | 56.1        | 59.1    | 59.4      | 59.4      | 60.9      | 60.9      | 62.2      | 63.5    |
| GE 10000              | 15.5                        | 52.0    | 54.6    | 54.6    | 56.9    | 56.9        | 58.9    | 59.1        | 59.1        | 62.4    | 62.7      | 62.7      | 64.2      | 64.2      | 65.5      | 66.8    |
| GE 9000               | 15.5                        | 52.5    | 55.1    | 55.1    | 57.6    | 57.6        | 59.6    | 59.9        | 59.9        | 63.2    | 63.5      | 63.5      | 65.0      | 65.0      | 66.2      | 67.5    |
| GE 8000               | 15.5                        | 53.0    | 55.8    | 55.8    | 58.4    | 58.4        | 60.4    | 60.7        | 60.7        | 64.0    | 64.2      | 64.2      | 65.7      | 65.7      | 67.0      | 68.3    |
| GE 7000               | 15.7                        | 54.1    | 56.9    | 56.9    | 59.4    | 59.4        | 61.4    | 61.7        | 61.7        | 65.0    | 65.2      | 65.2      | 66.8      | 66.8      | 68.0      | 69.3    |
| GE 6000               | 15.7                        | 55.3    | 58.1    | 58.1    | 60.7    | 60.7        | 62.7    | 62.9        | 62.9        | 66.2    | 66.5      | 66.5      | 68.0      | 68.0      | 69.3      | 70.6    |
| GE 5000               | 15.7                        | 56.6    | 59.4    | 59.4    | 61.9    | 61.9        | 64.0    | 64.2        | 64.2        | 67.5    | 67.8      | 67.8      | 69.3      | 69.3      | 70.6      | 71.8    |
| GE 4500               | 15.7                        | 56.6    | 59.4    | 59.4    | 61.9    | 61.9        | 64.0    | 64.2        | 64.2        | 67.5    | 67.8      | 67.8      | 69.3      | 69.3      | 70.6      | 71.8    |
| GE 4000               | 15.7                        | 57.6    | 60.4    | 60.4    | 62.9    | 62.9        | 65.2    | 65.5        | 65.5        | 68.8    | 69.0      | 69.0      | 70.6      | 70.6      | 71.8      | 73.1    |
| GE 3500               | 15.7                        | 57.6    | 60.4    | 60.4    | 62.9    | 62.9        | 65.2    | 65.5        | 65.5        | 68.8    | 69.0      | 69.0      | 70.6      | 70.6      | 71.8      | 73.1    |
| GE 3000               | 15.7                        | 57.9    | 60.9    | 60.9    | 63.5    | 63.5        | 65.7    | 66.0        | 66.0        | 69.3    | 69.5      | 69.5      | 71.1      | 71.1      | 72.3      | 73.6    |
| GE 2500               | 16.2                        | 60.2    | 63.2    | 63.2    | 65.7    | 65.7        | 68.0    | 68.3        | 68.3        | 71.6    | 71.8      | 71.8      | 73.4      | 73.4      | 74.6      | 75.9    |
| GE 2000               | 17.0                        | 62.7    | 65.7    | 65.7    | 68.3    | 68.3        | 70.6    | 70.8        | 70.8        | 74.1    | 74.4      | 74.4      | 76.1      | 76.1      | 77.4      | 78.7    |
| GE 1800               | 17.0                        | 62.7    | 65.7    | 65.7    | 68.3    | 68.3        | 70.6    | 70.8        | 70.8        | 74.1    | 74.4      | 74.4      | 76.1      | 76.1      | 77.4      | 78.7    |
| GE 1500               | 17.0                        | 62.7    | 66.0    | 66.0    | 68.5    | 68.5        | 70.8    | 71.1        | 71.1        | 74.4    | 74.6      | 74.6      | 76.6      | 76.6      | 77.9      | 79.2    |
| GE 1200               | 19.8                        | 67.8    | 71.1    | 71.1    | 74.6    | 74.6        | 77.2    | 77.4        | 77.4        | 81.0    | 81.2      | 81.5      | 83.5      | 83.8      | 85.0      | 86.5    |
| GE 1000               | 20.1                        | 72.6    | 76.1    | 76.1    | 79.9    | 79.9        | 82.5    | 82.7        | 82.7        | 86.8    | 87.1      | 87.6      | 90.4      | 90.6      | 91.9      | 93.4    |
| GE 900                | 20.1                        | 72.6    | 76.1    | 76.1    | 79.9    | 79.9        | 82.5    | 82.7        | 82.7        | 86.8    | 87.1      | 87.6      | 90.4      | 90.6      | 91.9      | 93.4    |
| GE 800                | 20.1                        | 72.6    | 76.1    | 76.1    | 79.9    | 79.9        | 82.7    | 83.0        | 83.0        | 87.1    | 87.3      | 87.8      | 90.6      | 90.9      | 92.1      | 93.7    |
| GE 700                | 20.1                        | 72.8    | 76.4    | 76.4    | 80.2    | 80.2        | 83.0    | 83.2        | 83.2        | 87.6    | 87.8      | 88.3      | 91.1      | 91.4      | 92.6      | 94.2    |
| GE 600                | 20.1                        | 72.8    | 76.4    | 76.4    | 80.2    | 80.2        | 83.0    | 83.2        | 83.2        | 87.6    | 87.8      | 88.3      | 91.1      | 91.4      | 92.6      | 94.2    |
| GE 500                | 20.1                        | 72.8    | 76.4    | 76.4    | 80.5    | 80.5        | 83.2    | 83.5        | 83.5        | 87.8    | 88.1      | 88.6      | 91.6      | 91.9      | 93.1      | 94.7    |
| GE 400                | 20.1                        | 72.8    | 76.4    | 76.4    | 80.5    | 80.5        | 83.2    | 83.5        | 83.5        | 88.3    | 88.6      | 89.1      | 92.1      | 92.4      | 93.7      | 95.2    |
| GE 300                | 20.1                        | 72.8    | 76.4    | 76.4    | 80.5    | 80.5        | 83.2    | 83.5        | 83.5        | 88.3    | 88.6      | 89.1      | 92.4      | 92.9      | 94.2      | 96.2    |
| GE 200                | 20.1                        | 72.8    | 76.4    | 76.4    | 80.5    | 80.5        | 83.2    | 83.5        | 83.5        | 88.3    | 88.6      | 89.1      | 93.7      | 94.4      | 95.9      | 98.5    |
| GE 100                | 20.1                        | 72.8    | 76.4    | 76.4    | 80.5    | 80.5        | 83.2    | 83.5        | 83.5        | 88.3    | 88.6      | 89.1      | 93.7      | 94.4      | 97.0      | 99.7    |
| GE 000                | 20.1                        | 72.8    | 76.4    | 76.4    | 80.5    | 80.5        | 83.2    | 83.5        | 83.5        | 88.3    | 88.6      | 89.1      | 93.7      | 94.4      | 97.0      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 394

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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               | 15.6                        | 50.0    | 52.2    | 52.2    | 54.3    | 54.3        | 55.9    | 56.2        | 56.2        | 59.1    | 59.4      | 59.4      | 60.8      | 60.8      | 63.2      | 64.0    |
| GE 20000              | 15.6                        | 50.0    | 52.2    | 52.2    | 54.3    | 54.3        | 55.9    | 56.2        | 56.2        | 59.1    | 59.4      | 59.4      | 60.8      | 60.8      | 63.2      | 64.0    |
| GE 18000              | 15.6                        | 50.0    | 52.2    | 52.2    | 54.3    | 54.3        | 55.9    | 56.2        | 56.2        | 59.1    | 59.4      | 59.4      | 60.8      | 60.8      | 63.2      | 64.0    |
| GE 16000              | 15.6                        | 50.0    | 52.2    | 52.2    | 54.3    | 54.3        | 55.9    | 56.2        | 56.2        | 59.1    | 59.4      | 59.4      | 60.8      | 60.8      | 63.2      | 64.0    |
| GE 14000              | 15.6                        | 50.0    | 52.2    | 52.2    | 54.3    | 54.3        | 55.9    | 56.2        | 56.2        | 59.1    | 59.4      | 59.4      | 60.8      | 60.8      | 63.2      | 64.0    |
| GE 12000              | 15.6                        | 50.0    | 52.2    | 52.2    | 54.3    | 54.3        | 55.9    | 56.2        | 56.2        | 59.1    | 59.4      | 59.4      | 60.8      | 60.8      | 63.2      | 64.0    |
| GE 10000              | 15.6                        | 51.6    | 53.8    | 53.8    | 55.9    | 55.9        | 57.5    | 57.8        | 57.8        | 60.8    | 61.0      | 61.0      | 62.4      | 62.4      | 64.8      | 65.6    |
| GE 9000               | 15.6                        | 52.2    | 54.3    | 54.3    | 56.5    | 56.5        | 58.1    | 58.3        | 58.3        | 61.3    | 61.6      | 61.6      | 62.9      | 62.9      | 65.3      | 66.1    |
| GE 8000               | 15.6                        | 52.7    | 54.8    | 54.8    | 57.0    | 57.0        | 58.6    | 58.9        | 58.9        | 61.8    | 62.1      | 62.1      | 63.4      | 63.4      | 65.9      | 66.7    |
| GE 7000               | 15.9                        | 54.3    | 56.5    | 56.5    | 58.9    | 58.9        | 60.5    | 60.8        | 60.8        | 63.7    | 64.2      | 64.2      | 65.6      | 65.6      | 68.3      | 69.1    |
| GE 6000               | 15.9                        | 55.1    | 57.5    | 57.5    | 59.9    | 59.9        | 61.6    | 61.8        | 61.8        | 65.1    | 65.6      | 65.6      | 66.9      | 66.9      | 69.6      | 70.4    |
| GE 5000               | 16.1                        | 55.6    | 58.1    | 58.1    | 60.5    | 60.5        | 62.1    | 62.4        | 62.4        | 65.6    | 66.1      | 66.1      | 67.5      | 67.5      | 70.2      | 71.0    |
| GE 4500               | 16.1                        | 55.6    | 58.1    | 58.1    | 60.5    | 60.5        | 62.1    | 62.4        | 62.4        | 65.6    | 66.1      | 66.1      | 67.5      | 67.5      | 70.2      | 71.0    |
| GE 4000               | 16.1                        | 56.7    | 59.1    | 59.1    | 61.6    | 61.6        | 63.2    | 63.4        | 63.4        | 66.7    | 67.2      | 67.2      | 68.5      | 68.5      | 71.2      | 72.0    |
| GE 3500               | 16.1                        | 56.7    | 59.1    | 59.1    | 61.6    | 61.6        | 63.2    | 63.4        | 63.4        | 66.7    | 67.2      | 67.2      | 68.5      | 68.5      | 71.2      | 72.0    |
| GE 3000               | 16.1                        | 58.1    | 60.8    | 60.8    | 63.4    | 63.4        | 65.1    | 65.3        | 65.3        | 68.5    | 69.1      | 69.1      | 70.4      | 70.4      | 73.1      | 73.9    |
| GE 2500               | 16.9                        | 60.5    | 63.4    | 63.4    | 66.4    | 66.4        | 68.3    | 68.5        | 68.5        | 71.8    | 72.3      | 72.3      | 73.7      | 73.7      | 76.3      | 77.2    |
| GE 2000               | 17.5                        | 62.9    | 66.1    | 66.1    | 69.4    | 69.4        | 71.2    | 71.5        | 71.5        | 74.7    | 75.3      | 75.3      | 76.6      | 76.6      | 79.3      | 80.1    |
| GE 1800               | 17.5                        | 62.9    | 66.1    | 66.1    | 69.4    | 69.4        | 71.2    | 71.5        | 71.5        | 74.7    | 75.3      | 75.3      | 76.6      | 76.6      | 79.3      | 80.1    |
| GE 1500               | 17.5                        | 63.4    | 66.7    | 66.7    | 69.9    | 69.9        | 71.8    | 72.0        | 72.0        | 75.3    | 75.8      | 75.8      | 77.2      | 77.2      | 79.8      | 80.6    |
| GE 1200               | 20.2                        | 68.5    | 72.3    | 72.3    | 76.3    | 76.3        | 78.5    | 78.8        | 78.8        | 82.0    | 82.5      | 82.5      | 84.4      | 84.4      | 87.1      | 87.9    |
| GE 1000               | 21.0                        | 71.2    | 75.3    | 75.3    | 80.4    | 80.4        | 82.5    | 82.8        | 82.8        | 86.8    | 87.4      | 87.4      | 89.5      | 89.5      | 92.7      | 93.5    |
| GE 900                | 21.0                        | 71.2    | 75.3    | 75.3    | 80.4    | 80.4        | 82.5    | 82.8        | 82.8        | 86.8    | 87.4      | 87.4      | 89.5      | 89.5      | 92.7      | 93.5    |
| GE 800                | 21.0                        | 71.2    | 75.3    | 75.3    | 80.9    | 80.9        | 83.1    | 83.3        | 83.3        | 87.4    | 87.9      | 87.9      | 90.1      | 90.1      | 93.3      | 94.1    |
| GE 700                | 21.2                        | 71.8    | 75.8    | 75.8    | 81.5    | 81.5        | 83.6    | 83.9        | 83.9        | 87.9    | 88.4      | 88.4      | 90.6      | 90.6      | 93.8      | 94.6    |
| GE 600                | 21.2                        | 71.8    | 75.8    | 75.8    | 81.5    | 81.5        | 83.6    | 83.9        | 83.9        | 88.2    | 88.7      | 88.7      | 90.9      | 90.9      | 94.1      | 94.9    |
| GE 500                | 21.2                        | 71.8    | 75.8    | 75.8    | 81.5    | 81.5        | 83.6    | 83.9        | 83.9        | 88.2    | 88.7      | 88.7      | 91.1      | 91.1      | 94.4      | 95.2    |
| GE 400                | 21.2                        | 71.8    | 75.8    | 75.8    | 81.5    | 81.5        | 83.6    | 83.9        | 83.9        | 88.4    | 89.0      | 89.0      | 91.7      | 91.7      | 94.9      | 95.7    |
| GE 300                | 21.2                        | 71.8    | 75.8    | 75.8    | 81.5    | 81.5        | 83.6    | 83.9        | 83.9        | 88.4    | 89.0      | 89.0      | 91.9      | 92.2      | 95.7      | 96.8    |
| GE 200                | 21.2                        | 71.8    | 75.8    | 75.8    | 81.5    | 81.5        | 83.6    | 83.9        | 83.9        | 88.4    | 89.0      | 89.0      | 91.9      | 92.2      | 96.0      | 97.0    |
| GE 100                | 21.2                        | 71.8    | 75.8    | 75.8    | 81.5    | 81.5        | 83.6    | 83.9        | 83.9        | 88.4    | 89.0      | 89.0      | 91.9      | 92.2      | 97.6      | 99.5    |
| GE 000                | 21.2                        | 71.8    | 75.8    | 75.8    | 81.5    | 81.5        | 83.6    | 83.9        | 83.9        | 88.4    | 89.0      | 89.2      | 92.2      | 92.5      | 97.8      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 372



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
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               | 15.8                        | 41.0    | 41.6    | 41.6    | 43.4    | 43.4        | 44.8    | 45.0        | 45.0        | 48.0    | 49.1      | 49.3      | 50.1      | 50.1      | 53.4      | 55.0    |
| GE 20000              | 15.8                        | 41.0    | 41.6    | 41.6    | 43.4    | 43.4        | 44.8    | 45.0        | 45.0        | 48.0    | 49.1      | 49.3      | 50.1      | 50.1      | 53.4      | 55.0    |
| GE 18000              | 15.8                        | 41.3    | 41.8    | 41.8    | 43.7    | 43.7        | 45.0    | 45.3        | 45.3        | 48.3    | 49.3      | 49.6      | 50.4      | 50.4      | 53.6      | 55.2    |
| GE 16000              | 15.8                        | 41.6    | 42.1    | 42.1    | 44.0    | 44.0        | 45.3    | 45.6        | 45.6        | 48.5    | 49.6      | 49.9      | 50.7      | 50.7      | 53.9      | 55.5    |
| GE 14000              | 15.8                        | 41.8    | 42.4    | 42.4    | 44.2    | 44.2        | 45.6    | 45.8        | 45.8        | 48.8    | 49.9      | 50.1      | 50.9      | 50.9      | 54.2      | 55.8    |
| GE 12000              | 15.8                        | 41.8    | 42.4    | 42.4    | 44.2    | 44.2        | 45.6    | 45.8        | 45.8        | 48.8    | 49.9      | 50.1      | 50.9      | 50.9      | 54.2      | 55.8    |
| GE 10000              | 16.4                        | 44.0    | 44.5    | 44.5    | 46.4    | 46.4        | 47.7    | 48.0        | 48.0        | 51.2    | 52.3      | 52.5      | 53.4      | 53.4      | 56.6      | 58.2    |
| GE 9000               | 16.4                        | 45.0    | 45.6    | 45.6    | 47.5    | 47.5        | 48.8    | 49.1        | 49.1        | 52.3    | 53.4      | 53.6      | 54.4      | 54.4      | 57.6      | 59.2    |
| GE 8000               | 16.4                        | 45.8    | 46.4    | 46.4    | 48.3    | 48.3        | 49.6    | 49.9        | 49.9        | 53.1    | 54.2      | 54.7      | 55.5      | 55.5      | 58.7      | 60.3    |
| GE 7000               | 16.4                        | 46.4    | 46.9    | 46.9    | 48.8    | 48.8        | 50.1    | 50.4        | 50.4        | 53.6    | 55.0      | 55.5      | 56.3      | 56.3      | 59.5      | 61.4    |
| GE 6000               | 16.4                        | 47.2    | 47.7    | 47.7    | 49.6    | 49.6        | 50.9    | 51.2        | 51.2        | 54.4    | 55.8      | 56.6      | 57.4      | 57.4      | 61.1      | 63.0    |
| GE 5000               | 17.2                        | 48.8    | 49.6    | 49.6    | 51.7    | 51.7        | 53.1    | 53.4        | 53.4        | 56.6    | 57.9      | 58.7      | 59.5      | 59.5      | 63.5      | 65.4    |
| GE 4500               | 17.2                        | 48.8    | 49.6    | 49.6    | 51.7    | 51.7        | 53.1    | 53.4        | 53.4        | 56.6    | 57.9      | 58.7      | 59.5      | 59.5      | 63.5      | 65.4    |
| GE 4000               | 17.4                        | 50.7    | 51.5    | 51.5    | 53.6    | 53.6        | 55.0    | 55.2        | 55.2        | 58.4    | 59.8      | 60.6      | 61.4      | 61.4      | 65.4      | 67.3    |
| GE 3500               | 17.4                        | 50.7    | 51.5    | 51.5    | 53.6    | 53.6        | 55.0    | 55.2        | 55.2        | 58.4    | 59.8      | 60.6      | 61.4      | 61.4      | 65.4      | 67.3    |
| GE 3000               | 17.7                        | 51.7    | 52.5    | 52.5    | 54.7    | 54.7        | 56.0    | 56.3        | 56.3        | 59.8    | 61.1      | 61.9      | 62.7      | 62.7      | 66.8      | 68.9    |
| GE 2500               | 18.5                        | 53.9    | 54.7    | 54.7    | 57.1    | 57.1        | 58.7    | 59.0        | 59.0        | 62.5    | 63.8      | 64.6      | 65.4      | 65.4      | 69.4      | 71.6    |
| GE 2000               | 19.3                        | 56.0    | 56.8    | 56.8    | 59.5    | 59.5        | 61.1    | 61.4        | 61.4        | 65.4    | 66.8      | 67.6      | 68.6      | 68.6      | 72.7      | 74.8    |
| GE 1800               | 19.3                        | 56.0    | 56.8    | 56.8    | 59.5    | 59.5        | 61.1    | 61.4        | 61.4        | 65.4    | 66.8      | 67.6      | 68.6      | 68.6      | 72.7      | 74.8    |
| GE 1500               | 19.3                        | 56.8    | 57.6    | 57.6    | 60.3    | 60.3        | 61.9    | 62.2        | 62.2        | 66.2    | 67.6      | 68.6      | 69.7      | 69.7      | 73.7      | 75.9    |
| GE 1200               | 20.6                        | 59.5    | 60.9    | 60.9    | 64.1    | 64.1        | 66.5    | 66.8        | 66.8        | 71.8    | 73.2      | 74.3      | 76.4      | 76.4      | 80.4      | 82.6    |
| GE 1000               | 22.3                        | 63.0    | 64.9    | 64.9    | 69.2    | 69.2        | 72.7    | 72.9        | 72.9        | 78.0    | 79.4      | 80.4      | 82.6      | 82.8      | 87.4      | 89.8    |
| GE 900                | 22.3                        | 63.0    | 64.9    | 64.9    | 69.2    | 69.2        | 72.7    | 72.9        | 72.9        | 78.0    | 79.4      | 80.4      | 82.6      | 82.8      | 87.4      | 89.8    |
| GE 800                | 22.3                        | 63.0    | 64.9    | 64.9    | 69.7    | 69.7        | 73.5    | 74.0        | 74.0        | 79.4    | 80.7      | 81.8      | 84.2      | 84.5      | 89.0      | 91.4    |
| GE 700                | 22.3                        | 63.5    | 65.7    | 65.7    | 70.8    | 70.8        | 74.8    | 75.3        | 75.3        | 81.5    | 82.8      | 83.9      | 86.3      | 86.6      | 91.2      | 93.6    |
| GE 600                | 22.3                        | 63.5    | 65.7    | 65.7    | 70.8    | 70.8        | 74.8    | 75.3        | 75.3        | 81.5    | 82.8      | 83.9      | 86.3      | 86.6      | 91.2      | 93.6    |
| GE 500                | 22.3                        | 63.5    | 65.7    | 65.7    | 70.8    | 70.8        | 74.8    | 75.3        | 75.3        | 81.5    | 82.8      | 83.9      | 86.3      | 86.6      | 91.2      | 93.6    |
| GE 400                | 22.5                        | 64.1    | 66.2    | 66.2    | 71.3    | 71.3        | 75.3    | 75.9        | 76.1        | 83.4    | 84.7      | 85.8      | 88.5      | 88.7      | 93.3      | 95.7    |
| GE 300                | 22.5                        | 64.1    | 66.2    | 66.2    | 71.3    | 71.3        | 75.3    | 75.9        | 76.1        | 83.4    | 84.7      | 86.1      | 88.7      | 89.3      | 93.8      | 96.5    |
| GE 200                | 22.5                        | 64.1    | 66.2    | 66.2    | 71.3    | 71.3        | 75.3    | 75.9        | 76.1        | 83.4    | 84.7      | 86.3      | 90.6      | 91.2      | 95.7      | 98.7    |
| GE 100                | 22.5                        | 64.1    | 66.2    | 66.2    | 71.3    | 71.3        | 75.3    | 75.9        | 76.1        | 83.4    | 84.7      | 86.3      | 90.6      | 91.2      | 96.2      | 99.2    |
| GE 000                | 22.5                        | 64.1    | 66.2    | 66.2    | 71.3    | 71.3        | 75.3    | 75.9        | 76.1        | 83.4    | 84.7      | 86.3      | 90.6      | 91.2      | 96.2      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 373

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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               | 14.4                        | 47.7    | 47.7    | 47.7    | 49.5    | 49.5        | 51.5    | 51.5        | 51.5        | 54.4    | 54.6      | 54.9      | 57.2      | 57.7      | 60.5      | 61.5    |
| GE 20000              | 14.6                        | 48.5    | 48.5    | 48.5    | 50.3    | 50.3        | 52.3    | 52.3        | 52.3        | 55.1    | 55.4      | 55.6      | 57.9      | 58.5      | 61.3      | 62.3    |
| GE 18000              | 14.6                        | 48.5    | 48.5    | 48.5    | 50.3    | 50.3        | 52.3    | 52.3        | 52.3        | 55.1    | 55.4      | 55.6      | 57.9      | 58.5      | 61.3      | 62.3    |
| GE 16000              | 14.6                        | 48.5    | 48.5    | 48.5    | 50.3    | 50.3        | 52.3    | 52.3        | 52.3        | 55.1    | 55.4      | 55.6      | 57.9      | 58.5      | 61.3      | 62.3    |
| GE 14000              | 14.6                        | 48.5    | 48.5    | 48.5    | 50.3    | 50.3        | 52.3    | 52.3        | 52.3        | 55.1    | 55.4      | 55.6      | 57.9      | 58.5      | 61.3      | 62.3    |
| GE 12000              | 14.6                        | 48.5    | 48.5    | 48.5    | 50.3    | 50.3        | 52.3    | 52.3        | 52.3        | 55.1    | 55.4      | 55.6      | 57.9      | 58.5      | 61.3      | 62.3    |
| GE 10000              | 14.9                        | 49.7    | 50.0    | 50.0    | 51.8    | 51.8        | 53.8    | 53.8        | 53.8        | 56.7    | 56.9      | 57.2      | 59.5      | 60.0      | 62.8      | 63.8    |
| GE 9000               | 14.9                        | 50.0    | 50.3    | 50.3    | 52.1    | 52.1        | 54.1    | 54.1        | 54.1        | 56.9    | 57.2      | 57.4      | 59.7      | 60.3      | 63.1      | 64.1    |
| GE 8000               | 14.9                        | 50.0    | 50.3    | 50.3    | 52.1    | 52.1        | 54.1    | 54.1        | 54.1        | 56.9    | 57.2      | 57.4      | 59.7      | 60.3      | 63.1      | 64.1    |
| GE 7000               | 16.2                        | 52.3    | 53.1    | 53.1    | 54.9    | 54.9        | 56.9    | 56.9        | 56.9        | 60.0    | 60.3      | 60.5      | 62.8      | 63.3      | 66.2      | 67.2    |
| GE 6000               | 16.2                        | 52.9    | 53.1    | 53.1    | 54.9    | 54.9        | 56.9    | 56.9        | 56.9        | 60.0    | 60.3      | 60.5      | 62.8      | 63.3      | 66.2      | 67.2    |
| GE 5000               | 16.7                        | 54.4    | 54.6    | 54.6    | 56.4    | 56.4        | 58.5    | 58.5        | 58.5        | 61.5    | 61.8      | 62.1      | 64.4      | 64.9      | 67.7      | 68.7    |
| GE 4500               | 16.7                        | 54.4    | 54.6    | 54.6    | 56.4    | 56.4        | 58.5    | 58.5        | 58.5        | 61.5    | 61.8      | 62.1      | 64.4      | 64.9      | 67.7      | 68.7    |
| GE 4000               | 16.7                        | 55.1    | 56.2    | 56.2    | 57.9    | 57.9        | 60.0    | 60.0        | 60.0        | 63.1    | 63.3      | 63.6      | 65.9      | 66.4      | 69.2      | 70.3    |
| GE 3500               | 16.7                        | 55.1    | 56.2    | 56.2    | 57.9    | 57.9        | 60.0    | 60.0        | 60.0        | 63.1    | 63.3      | 63.6      | 65.9      | 66.4      | 69.2      | 70.3    |
| GE 3000               | 16.7                        | 56.2    | 56.9    | 56.9    | 59.0    | 59.0        | 61.0    | 61.0        | 61.0        | 64.1    | 64.4      | 64.6      | 66.9      | 67.4      | 70.3      | 71.3    |
| GE 2500               | 17.7                        | 57.9    | 58.7    | 58.7    | 61.0    | 61.0        | 63.1    | 63.1        | 63.1        | 66.2    | 66.4      | 66.7      | 69.0      | 69.5      | 72.3      | 73.3    |
| GE 2000               | 18.5                        | 57.7    | 60.5    | 60.5    | 63.3    | 63.3        | 65.4    | 65.4        | 65.4        | 68.5    | 68.7      | 69.0      | 71.3      | 71.8      | 74.6      | 75.6    |
| GE 1800               | 18.5                        | 59.7    | 60.5    | 60.5    | 63.3    | 63.3        | 65.4    | 65.4        | 65.4        | 68.5    | 68.7      | 69.0      | 71.3      | 71.8      | 74.6      | 75.6    |
| GE 1500               | 18.5                        | 60.5    | 61.3    | 61.3    | 64.1    | 64.1        | 66.2    | 66.2        | 66.2        | 69.7    | 70.0      | 70.3      | 72.6      | 73.1      | 75.9      | 76.9    |
| GE 1200               | 21.5                        | 67.7    | 67.7    | 67.7    | 70.8    | 70.8        | 73.1    | 73.1        | 73.1        | 76.7    | 76.9      | 77.2      | 79.7      | 80.5      | 83.6      | 84.6    |
| GE 1000               | 22.1                        | 68.7    | 70.3    | 70.3    | 74.1    | 74.1        | 76.9    | 76.9        | 76.9        | 80.8    | 81.0      | 81.3      | 84.4      | 85.1      | 88.2      | 89.2    |
| GE 900                | 22.1                        | 68.0    | 70.5    | 70.5    | 74.4    | 74.4        | 77.2    | 77.2        | 77.2        | 81.0    | 81.3      | 81.5      | 84.6      | 85.4      | 88.5      | 89.5    |
| GE 800                | 22.1                        | 68.0    | 70.5    | 70.5    | 74.9    | 74.9        | 77.9    | 78.5        | 78.5        | 82.6    | 82.8      | 83.1      | 86.2      | 86.9      | 90.0      | 91.0    |
| GE 700                | 22.3                        | 69.2    | 71.3    | 71.3    | 75.6    | 75.6        | 78.7    | 79.2        | 79.2        | 83.8    | 84.1      | 84.4      | 87.4      | 88.2      | 91.3      | 92.3    |
| GE 600                | 22.3                        | 68.2    | 71.3    | 71.3    | 75.6    | 75.6        | 79.0    | 79.5        | 79.5        | 84.1    | 84.4      | 84.6      | 87.7      | 88.5      | 91.5      | 92.6    |
| GE 500                | 22.3                        | 68.2    | 71.3    | 71.3    | 75.6    | 75.6        | 79.2    | 79.7        | 79.7        | 84.4    | 84.6      | 84.9      | 87.9      | 88.7      | 92.1      | 93.1    |
| GE 400                | 22.3                        | 68.5    | 71.5    | 71.5    | 75.9    | 75.9        | 79.5    | 80.0        | 80.0        | 85.1    | 85.4      | 85.6      | 89.5      | 90.3      | 93.6      | 94.6    |
| GE 300                | 22.3                        | 68.5    | 71.5    | 71.5    | 75.9    | 75.9        | 79.5    | 80.0        | 80.0        | 85.4    | 85.6      | 85.9      | 89.7      | 90.5      | 93.8      | 95.9    |
| GE 200                | 22.3                        | 69.5    | 71.5    | 71.5    | 75.9    | 75.9        | 79.5    | 80.0        | 80.0        | 85.4    | 85.6      | 85.9      | 90.8      | 92.1      | 95.6      | 97.9    |
| GE 100                | 22.3                        | 69.7    | 71.8    | 71.8    | 76.2    | 76.2        | 79.7    | 80.3        | 80.3        | 85.6    | 85.9      | 86.2      | 91.0      | 92.3      | 96.7      | 99.7    |
| GE 000                | 22.3                        | 69.7    | 71.8    | 71.8    | 76.2    | 76.2        | 79.7    | 80.3        | 80.3        | 85.6    | 85.9      | 86.2      | 91.0      | 92.3      | 96.7      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 390

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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               | 15.2                        | 46.7    | 48.0    | 48.0    | 50.0    | 50.0        | 51.7    | 51.9        | 51.9        | 54.8    | 55.3      | 55.4      | 56.9      | 57.0      | 59.5      | 60.6    |
| GE 20000              | 15.4                        | 47.2    | 48.5    | 48.5    | 50.4    | 50.4        | 52.2    | 52.4        | 52.4        | 55.3    | 55.8      | 55.9      | 57.4      | 57.6      | 60.0      | 61.2    |
| GE 18000              | 15.4                        | 47.2    | 48.5    | 48.5    | 50.5    | 50.5        | 52.3    | 52.5        | 52.5        | 55.4    | 55.9      | 56.0      | 57.5      | 57.6      | 60.0      | 61.2    |
| GE 16000              | 15.4                        | 47.3    | 48.6    | 48.6    | 50.6    | 50.6        | 52.3    | 52.5        | 52.5        | 55.5    | 55.9      | 56.0      | 57.6      | 57.7      | 60.1      | 61.3    |
| GE 14000              | 15.4                        | 47.4    | 48.7    | 48.7    | 50.7    | 50.7        | 52.5    | 52.6        | 52.6        | 55.6    | 56.0      | 56.2      | 57.7      | 57.8      | 60.2      | 61.4    |
| GE 12000              | 15.4                        | 47.4    | 48.7    | 48.7    | 50.7    | 50.7        | 52.5    | 52.6        | 52.6        | 55.6    | 56.0      | 56.2      | 57.7      | 57.8      | 60.2      | 61.4    |
| GE 10000              | 15.6                        | 49.4    | 50.8    | 50.8    | 52.8    | 52.8        | 54.5    | 54.7        | 54.7        | 57.8    | 58.3      | 58.4      | 59.9      | 60.0      | 62.5      | 63.6    |
| GE 9000               | 15.6                        | 50.0    | 51.3    | 51.3    | 53.4    | 53.4        | 55.2    | 55.4        | 55.4        | 58.5    | 58.9      | 59.1      | 60.6      | 60.7      | 63.1      | 64.3    |
| GE 8000               | 15.6                        | 50.4    | 51.9    | 51.9    | 54.0    | 54.0        | 55.7    | 55.9        | 55.9        | 59.0    | 59.5      | 59.6      | 61.2      | 61.3      | 63.7      | 64.9    |
| GE 7000               | 16.0                        | 51.9    | 53.4    | 53.4    | 55.5    | 55.5        | 57.3    | 57.5        | 57.5        | 60.6    | 61.2      | 61.4      | 62.9      | 63.0      | 65.5      | 66.8    |
| GE 6000               | 16.0                        | 52.6    | 54.2    | 54.2    | 56.3    | 56.3        | 58.1    | 58.3        | 58.3        | 61.5    | 62.1      | 62.3      | 63.8      | 64.0      | 66.6      | 67.8    |
| GE 5000               | 16.4                        | 53.9    | 55.5    | 55.5    | 57.7    | 57.7        | 59.5    | 59.6        | 59.6        | 62.9    | 63.4      | 63.7      | 65.2      | 65.3      | 68.0      | 69.3    |
| GE 4500               | 16.4                        | 53.9    | 55.5    | 55.5    | 57.7    | 57.7        | 59.5    | 59.6        | 59.6        | 62.9    | 63.4      | 63.7      | 65.2      | 65.3      | 68.0      | 69.3    |
| GE 4000               | 16.5                        | 55.1    | 56.8    | 56.8    | 59.1    | 59.1        | 60.9    | 61.1        | 61.1        | 64.3    | 64.9      | 65.1      | 66.6      | 66.8      | 69.5      | 70.7    |
| GE 3500               | 16.5                        | 55.1    | 56.8    | 56.8    | 59.1    | 59.1        | 60.9    | 61.1        | 61.1        | 64.3    | 64.9      | 65.1      | 66.6      | 66.8      | 69.5      | 70.7    |
| GE 3000               | 16.5                        | 56.0    | 57.8    | 57.8    | 60.2    | 60.2        | 62.0    | 62.2        | 62.2        | 65.5    | 66.1      | 66.3      | 67.8      | 68.0      | 70.6      | 71.9    |
| GE 2500               | 17.3                        | 58.1    | 60.0    | 60.0    | 62.6    | 62.6        | 64.6    | 64.7        | 64.7        | 68.0    | 68.6      | 68.9      | 70.4      | 70.5      | 73.2      | 74.5    |
| GE 2000               | 18.1                        | 60.4    | 62.3    | 62.3    | 65.1    | 65.1        | 67.1    | 67.3        | 67.3        | 70.7    | 71.3      | 71.6      | 73.2      | 73.3      | 76.0      | 77.3    |
| GE 1800               | 18.1                        | 60.4    | 62.3    | 62.3    | 65.1    | 65.1        | 67.1    | 67.3        | 67.3        | 70.7    | 71.3      | 71.6      | 73.2      | 73.3      | 76.0      | 77.3    |
| GE 1500               | 18.1                        | 60.9    | 62.9    | 62.9    | 65.7    | 65.7        | 67.7    | 67.9        | 67.9        | 71.4    | 72.0      | 72.3      | 74.0      | 74.2      | 76.8      | 78.2    |
| GE 1200               | 20.5                        | 65.7    | 68.0    | 68.0    | 71.5    | 71.5        | 73.8    | 74.0        | 74.0        | 77.9    | 78.5      | 78.9      | 81.0      | 81.3      | 84.0      | 85.4    |
| GE 1000               | 21.3                        | 68.9    | 71.7    | 71.7    | 75.9    | 75.9        | 78.7    | 78.9        | 78.9        | 83.1    | 83.7      | 84.2      | 86.7      | 87.1      | 90.1      | 91.5    |
| GE 900                | 21.3                        | 69.0    | 71.7    | 71.7    | 76.0    | 76.0        | 78.7    | 78.9        | 78.9        | 83.2    | 83.8      | 84.2      | 86.8      | 87.1      | 90.1      | 91.6    |
| GE 800                | 21.3                        | 69.0    | 71.7    | 71.7    | 76.4    | 76.4        | 79.3    | 79.7        | 79.7        | 84.1    | 84.7      | 85.2      | 87.8      | 88.1      | 91.1      | 92.5    |
| GE 700                | 21.5                        | 69.4    | 72.3    | 72.3    | 77.0    | 77.0        | 80.1    | 80.4        | 80.4        | 85.2    | 85.8      | 86.3      | 88.9      | 89.2      | 92.2      | 93.7    |
| GE 600                | 21.5                        | 69.4    | 72.3    | 72.3    | 77.0    | 77.0        | 80.1    | 80.5        | 80.5        | 85.3    | 85.9      | 86.4      | 89.0      | 89.3      | 92.3      | 93.8    |
| GE 500                | 21.5                        | 69.4    | 72.3    | 72.3    | 77.1    | 77.1        | 80.2    | 80.6        | 80.6        | 85.5    | 86.1      | 86.5      | 89.3      | 89.6      | 92.7      | 94.1    |
| GE 400                | 21.5                        | 69.6    | 72.5    | 72.5    | 77.3    | 77.3        | 80.4    | 80.8        | 80.9        | 86.3    | 86.9      | 87.4      | 90.5      | 90.8      | 93.9      | 95.3    |
| GE 300                | 21.5                        | 69.6    | 72.5    | 72.5    | 77.3    | 77.3        | 80.4    | 80.8        | 80.9        | 86.4    | 87.0      | 87.5      | 90.7      | 91.2      | 94.4      | 96.3    |
| GE 200                | 21.5                        | 69.6    | 72.5    | 72.5    | 77.3    | 77.3        | 80.4    | 80.8        | 80.9        | 86.4    | 87.0      | 87.6      | 91.8      | 92.5      | 95.8      | 98.0    |
| GE 100                | 21.5                        | 69.7    | 72.6    | 72.6    | 77.4    | 77.4        | 80.5    | 80.9        | 81.0        | 86.5    | 87.1      | 87.6      | 91.8      | 92.5      | 96.9      | 99.5    |
| GE 000                | 21.5                        | 69.7    | 72.6    | 72.6    | 77.4    | 77.4        | 80.5    | 80.9        | 81.0        | 86.5    | 87.1      | 87.7      | 91.9      | 92.6      | 96.9      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 1529

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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 CELL               | 15.9                        | 38.3    | 39.1    | 39.1    | 40.4    | 40.4        | 41.4    | 41.5        | 41.5        | 42.7    | 42.9      | 43.0      | 44.1      | 44.3      | 45.4      | 46.5    |
| GE 20000              | 16.1                        | 39.1    | 39.9    | 39.9    | 41.3    | 41.3        | 42.3    | 42.4        | 42.4        | 43.6    | 43.8      | 43.9      | 45.0      | 45.2      | 46.3      | 47.4    |
| GE 18000              | 16.1                        | 39.2    | 40.0    | 40.0    | 41.4    | 41.4        | 42.4    | 42.6        | 42.6        | 43.8    | 44.0      | 44.0      | 45.2      | 45.3      | 46.5      | 47.6    |
| GE 16000              | 16.1                        | 39.3    | 40.1    | 40.1    | 41.5    | 41.5        | 42.5    | 42.6        | 42.6        | 43.8    | 44.0      | 44.1      | 45.2      | 45.4      | 46.5      | 47.6    |
| GE 14000              | 16.2                        | 39.5    | 40.3    | 40.3    | 41.7    | 41.7        | 42.7    | 42.8        | 42.9        | 44.1    | 44.3      | 44.3      | 45.5      | 45.6      | 46.8      | 47.9    |
| GE 12000              | 16.2                        | 39.6    | 40.4    | 40.4    | 41.8    | 41.8        | 42.8    | 42.9        | 43.0        | 44.2    | 44.4      | 44.4      | 45.6      | 45.7      | 46.9      | 48.0    |
| GE 10000              | 16.8                        | 41.1    | 42.0    | 42.0    | 43.4    | 43.4        | 44.4    | 44.6        | 44.6        | 45.8    | 46.0      | 46.0      | 47.2      | 47.4      | 48.5      | 49.6    |
| GE 9000               | 16.8                        | 41.3    | 42.2    | 42.2    | 43.6    | 43.6        | 44.5    | 44.7        | 44.7        | 46.0    | 46.1      | 46.2      | 47.4      | 47.5      | 48.7      | 49.8    |
| GE 8000               | 16.9                        | 41.8    | 42.6    | 42.6    | 44.0    | 44.1        | 45.0    | 45.2        | 45.2        | 46.4    | 46.6      | 46.7      | 47.9      | 48.0      | 49.2      | 50.3    |
| GE 7000               | 17.4                        | 43.1    | 44.0    | 44.0    | 45.4    | 45.5        | 46.5    | 46.6        | 46.6        | 47.9    | 48.1      | 48.2      | 49.4      | 49.5      | 50.7      | 51.8    |
| GE 6000               | 17.4                        | 43.5    | 44.5    | 44.5    | 46.0    | 46.0        | 47.0    | 47.1        | 47.2        | 48.4    | 48.7      | 48.7      | 49.9      | 50.1      | 51.3      | 52.4    |
| GE 5000               | 18.0                        | 45.4    | 46.4    | 46.4    | 47.9    | 47.9        | 48.9    | 49.1        | 49.1        | 50.5    | 50.7      | 50.7      | 52.0      | 52.1      | 53.3      | 54.5    |
| GE 4500               | 18.0                        | 45.4    | 46.4    | 46.4    | 47.9    | 47.9        | 49.0    | 49.1        | 49.1        | 50.5    | 50.7      | 50.8      | 52.0      | 52.1      | 53.3      | 54.5    |
| GE 4000               | 18.5                        | 46.7    | 47.7    | 47.7    | 49.3    | 49.3        | 50.3    | 50.5        | 50.5        | 51.9    | 52.1      | 52.2      | 53.4      | 53.5      | 54.7      | 55.9    |
| GE 3500               | 18.5                        | 46.8    | 47.8    | 47.8    | 49.4    | 49.4        | 50.5    | 50.6        | 50.6        | 52.0    | 52.2      | 52.3      | 53.5      | 53.7      | 54.9      | 56.0    |
| GE 3000               | 18.8                        | 48.2    | 49.2    | 49.2    | 50.8    | 50.8        | 51.9    | 52.1        | 52.1        | 53.4    | 53.7      | 53.7      | 55.0      | 55.1      | 56.3      | 57.5    |
| GE 2500               | 20.3                        | 51.8    | 52.9    | 52.9    | 54.6    | 54.7        | 55.8    | 55.9        | 56.0        | 57.4    | 57.6      | 57.7      | 58.9      | 59.1      | 60.3      | 61.5    |
| GE 2000               | 20.8                        | 56.3    | 57.5    | 57.5    | 59.4    | 59.5        | 60.6    | 60.8        | 60.8        | 62.3    | 62.5      | 62.6      | 63.9      | 64.1      | 65.3      | 66.5    |
| GE 1800               | 20.8                        | 56.4    | 57.6    | 57.6    | 59.5    | 59.5        | 60.7    | 60.9        | 60.9        | 62.3    | 62.6      | 62.7      | 64.0      | 64.2      | 65.4      | 66.6    |
| GE 1500               | 21.5                        | 58.9    | 60.3    | 60.3    | 62.3    | 62.4        | 63.6    | 63.8        | 63.8        | 65.3    | 65.6      | 65.6      | 67.0      | 67.2      | 68.4      | 69.6    |
| GE 1200               | 25.4                        | 67.8    | 69.8    | 69.8    | 72.5    | 72.6        | 74.2    | 74.4        | 74.5        | 76.3    | 76.6      | 76.7      | 78.3      | 78.5      | 79.8      | 81.2    |
| GE 1000               | 27.4                        | 74.4    | 77.0    | 77.0    | 80.6    | 80.6        | 82.6    | 82.9        | 82.9        | 85.3    | 85.7      | 85.8      | 87.5      | 87.7      | 89.3      | 90.7    |
| GE 900                | 27.5                        | 74.5    | 77.1    | 77.1    | 80.7    | 80.8        | 82.8    | 83.1        | 83.1        | 85.5    | 85.8      | 85.9      | 87.7      | 87.9      | 89.5      | 90.9    |
| GE 800                | 27.7                        | 75.0    | 77.8    | 77.8    | 81.6    | 81.7        | 83.8    | 84.1        | 84.2        | 86.6    | 87.0      | 87.1      | 88.9      | 89.1      | 90.8      | 92.2    |
| GE 700                | 28.1                        | 76.2    | 79.1    | 79.1    | 83.1    | 83.2        | 85.5    | 85.9        | 85.9        | 88.5    | 88.9      | 89.0      | 90.8      | 91.0      | 92.7      | 94.2    |
| GE 600                | 28.1                        | 76.3    | 79.3    | 79.3    | 83.4    | 83.5        | 85.8    | 86.1        | 86.2        | 88.8    | 89.2      | 89.3      | 91.1      | 91.3      | 93.0      | 94.5    |
| GE 500                | 28.2                        | 76.5    | 79.6    | 79.6    | 83.7    | 83.8        | 86.2    | 86.6        | 86.6        | 89.3    | 89.7      | 89.8      | 91.7      | 91.9      | 93.7      | 95.2    |
| GE 400                | 28.4                        | 77.1    | 80.2    | 80.2    | 84.5    | 84.6        | 87.1    | 87.5        | 87.6        | 90.5    | 91.0      | 91.1      | 93.1      | 93.3      | 95.1      | 96.7    |
| GE 300                | 28.4                        | 77.2    | 80.2    | 80.2    | 84.6    | 84.7        | 87.2    | 87.6        | 87.7        | 90.7    | 91.1      | 91.2      | 93.3      | 93.6      | 95.4      | 97.1    |
| GE 200                | 28.5                        | 77.2    | 80.3    | 80.3    | 84.7    | 84.8        | 87.3    | 87.7        | 87.8        | 90.8    | 91.2      | 91.4      | 93.9      | 94.2      | 96.2      | 98.1    |
| GE 100                | 28.5                        | 77.3    | 80.4    | 80.4    | 84.7    | 84.8        | 87.3    | 87.8        | 87.8        | 90.8    | 91.3      | 91.4      | 94.0      | 94.3      | 96.9      | 99.7    |
| GE 000                | 28.5                        | 77.3    | 80.4    | 80.4    | 84.7    | 84.8        | 87.4    | 87.8        | 87.8        | 90.9    | 91.3      | 91.4      | 94.0      | 94.3      | 96.9      | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 19056

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 MONTH: JAN HOURS: ALL

| HOURS<br>(LST) | SYNOP CLASSES |     |     |     |     |     |     |     |      | TOTAL<br>OBS |
|----------------|---------------|-----|-----|-----|-----|-----|-----|-----|------|--------------|
|                | CLEAR         | 1/8 | 2/8 | 3/8 | 4/8 | 5/8 | 6/8 | 7/8 | 8/8  |              |
| 00-02          |               |     |     |     |     |     |     |     |      | 0            |
| 03-05          | 48.9          | .2  | 2.2 | 1.7 | 1.0 | .5  | 3.2 | 1.0 | 33.7 | 403          |
| 06-08          |               |     |     |     |     |     |     |     |      | 0            |
| 09-11          | 46.5          |     | 3.1 | 1.5 | 1.3 | 1.3 | 4.1 | 1.5 | 30.8 | 389          |
| 12-14          |               |     |     |     |     |     |     |     |      | 0            |
| 15-17          | 33.5          | 2.4 | 6.4 | 5.1 | 2.1 | 2.9 | 8.0 | 5.1 | 25.0 | 376          |
| 18-20          |               |     |     |     |     |     |     |     |      | 0            |
| 21-23          | 50.6          | .2  | 3.0 | 2.0 | .5  | 2.0 | 6.5 | 1.7 | 28.2 | 401          |
| ALL<br>HOURS   | 45.1          | .7  | 3.6 | 2.5 | 1.2 | 1.7 | 5.4 | 2.3 | 29.5 | 1569         |

MONTH: FEB HOURS: ALL

|              |      |     |     |     |     |     |     |     |      |      |
|--------------|------|-----|-----|-----|-----|-----|-----|-----|------|------|
| 00-02        |      |     |     |     |     |     |     |     |      | 0    |
| 03-05        | 55.8 | .3  | 2.4 | 1.5 |     | .6  | 5.0 | 1.2 | 26.8 | 339  |
| 06-08        |      |     |     |     |     |     |     |     |      | 0    |
| 09-11        | 50.2 | 1.3 | 4.4 | 3.1 | .6  | 1.3 | 5.3 | 2.5 | 27.0 | 319  |
| 12-14        |      |     |     |     |     |     |     |     |      | 0    |
| 15-17        | 46.5 | .9  | 5.8 | 2.8 | 2.1 | 1.8 | 7.3 | 4.6 | 22.6 | 327  |
| 18-20        |      |     |     |     |     |     |     |     |      | 0    |
| 21-23        | 53.9 | .9  | 6.1 | 1.7 | .9  | 2.3 | 4.6 | 1.4 | 24.2 | 347  |
| ALL<br>HOURS | 51.7 | .8  | 4.7 | 2.3 | .9  | 1.5 | 5.6 | 2.4 | 25.2 | 1332 |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 MONTH: MAR HOURS: ALL

| HOURS<br>(LST) | SYNOP CLASSES |     |     |     |     |     |     |     |      | TOTAL<br>OBS |
|----------------|---------------|-----|-----|-----|-----|-----|-----|-----|------|--------------|
|                | CLEAR         | 1/8 | 2/8 | 3/8 | 4/8 | 5/8 | 6/8 | 7/8 | 8/8  |              |
| 00-02          |               |     |     |     |     |     |     |     |      | 0            |
| 03-05          | 68.0          | 1.2 | 3.1 | 1.7 | 1.4 | .5  | 2.9 | .7  | 16.6 | 416          |
| 06-08          |               |     |     |     |     |     |     |     |      | 0            |
| 09-11          | 54.3          | 1.0 | 5.9 | 1.8 | 1.3 | 1.8 | 6.6 | 2.3 | 18.6 | 392          |
| 12-14          |               |     |     |     |     |     |     |     |      | 0            |
| 15-17          | 58.5          | 1.0 | 7.0 | 2.0 | .3  | 1.0 | 6.3 | 2.3 | 16.8 | 398          |
| 18-20          |               |     |     |     |     |     |     |     |      | 0            |
| 21-23          | 55.7          | 2.6 | 7.3 | 2.6 | .9  | 1.9 | 3.7 | 1.9 | 18.7 | 427          |
| ALL<br>HOURS   | 59.2          | 1.5 | 5.8 | 2.0 | 1.0 | 1.3 | 4.8 | 1.8 | 17.7 | 1633         |

MONTH: APR HOURS: ALL

|              |      |     |     |     |     |     |     |     |      |      |
|--------------|------|-----|-----|-----|-----|-----|-----|-----|------|------|
| 00-02        |      |     |     |     |     |     |     |     |      | 0    |
| 03-05        | 62.0 | 2.1 | 3.3 | 2.1 | .9  | .7  | 1.9 | 2.3 | 22.4 | 429  |
| 06-08        |      |     |     |     |     |     |     |     |      | 0    |
| 09-11        | 54.0 | 2.1 | 3.9 | 3.1 | 1.8 | 1.6 | 8.1 | 1.3 | 21.7 | 383  |
| 12-14        |      |     |     |     |     |     |     |     |      | 0    |
| 15-17        | 56.5 | .5  | 4.0 | 2.0 | 1.2 | 1.7 | 8.4 | 4.4 | 18.8 | 405  |
| 18-20        |      |     |     |     |     |     |     |     |      | 0    |
| 21-23        | 56.8 | 1.2 | 5.8 | 2.6 | 2.6 | 1.7 | 6.5 | 3.1 | 18.2 | 417  |
| ALL<br>HOURS | 57.5 | 1.5 | 4.2 | 2.4 | 1.7 | 1.4 | 6.1 | 2.8 | 20.3 | 1634 |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 MONTH: MAY HOURS: ALL

| HOURS<br>(LST) | SYNOP CLASSES |     |     |     |     |     |      |     |      | TOTAL<br>OBS |
|----------------|---------------|-----|-----|-----|-----|-----|------|-----|------|--------------|
|                | CLEAR         | 1/8 | 2/8 | 3/8 | 4/8 | 5/8 | 6/8  | 7/8 | 8/8  |              |
| 00-02          |               |     |     |     |     |     |      |     |      | 0            |
| 03-05          | 29.6          | 2.5 | 7.4 | 3.5 | 1.2 | .5  | 4.4  | 2.3 | 45.5 | 433          |
| 06-08          |               |     |     |     |     |     |      |     |      | 0            |
| 09-11          | 25.7          | 1.2 | 5.1 | 3.2 | .7  | 1.0 | 9.8  | 4.9 | 45.7 | 409          |
| 12-14          |               |     |     |     |     |     |      |     |      | 0            |
| 15-17          | 26.7          | 1.7 | 7.2 | 3.3 | 2.1 | 2.4 | 9.8  | 6.4 | 38.7 | 419          |
| 18-20          |               |     |     |     |     |     |      |     |      | 0            |
| 21-23          | 25.9          | 2.6 | 6.5 | 5.4 | .9  | 1.9 | 10.7 | 5.8 | 37.1 | 428          |
| ALL<br>HOURS   | 27.0          | 2.0 | 6.6 | 3.8 | 1.2 | 1.4 | 8.6  | 4.9 | 41.7 | 1689         |

MONTH: JUN HOURS: ALL

|              |      |     |      |     |     |     |      |     |      |      |
|--------------|------|-----|------|-----|-----|-----|------|-----|------|------|
| 00-02        |      |     |      |     |     |     |      |     |      | 0    |
| 03-05        | 17.6 | 2.5 | 9.1  | 4.1 | 2.1 | 2.3 | 10.5 | 6.8 | 40.0 | 438  |
| 06-08        |      |     |      |     |     |     |      |     |      | 0    |
| 09-11        | 15.5 | 3.2 | 5.9  | 3.4 | 1.5 | 2.7 | 12.8 | 6.1 | 44.7 | 407  |
| 12-14        |      |     |      |     |     |     |      |     |      | 0    |
| 15-17        | 16.1 | 2.7 | 9.9  | 4.2 | 3.7 | 3.7 | 11.4 | 7.2 | 40.2 | 403  |
| 18-20        |      |     |      |     |     |     |      |     |      | 0    |
| 21-23        | 17.9 | 4.4 | 12.3 | 6.3 | 2.8 | 1.9 | 12.8 | 6.3 | 33.0 | 430  |
| ALL<br>HOURS | 16.8 | 3.2 | 9.4  | 4.5 | 2.5 | 2.6 | 11.9 | 6.6 | 39.4 | 1678 |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 MONTH: JUL HOURS: ALL

| HOURS<br>(LST) | SYNOP CLASSES |     |     |     |     |     |      |     |      | TOTAL<br>OBS |
|----------------|---------------|-----|-----|-----|-----|-----|------|-----|------|--------------|
|                | CLEAR         | 1/8 | 2/8 | 3/8 | 4/8 | 5/8 | 6/8  | 7/8 | 8/8  |              |
| 00-02          |               |     |     |     |     |     |      |     |      | 0            |
| 03-05          | 20.8          | 2.3 | 8.0 | 3.5 | 2.1 | 3.0 | 10.3 | 6.8 | 39.6 | 427          |
| 06-08          |               |     |     |     |     |     |      |     |      | 0            |
| 09-11          | 16.1          | 1.5 | 7.4 | 3.5 | 1.0 | 3.0 | 11.9 | 8.4 | 41.9 | 403          |
| 12-14          |               |     |     |     |     |     |      |     |      | 0            |
| 15-17          | 19.1          | 2.8 | 9.4 | 4.8 | 3.3 | 2.5 | 10.4 | 5.3 | 40.2 | 393          |
| 18-20          |               |     |     |     |     |     |      |     |      | 0            |
| 21-23          | 19.9          | 3.3 | 9.8 | 5.4 | 1.4 | 3.5 | 11.7 | 6.5 | 34.3 | 428          |
| ALL<br>HOURS   | 19.0          | 2.5 | 8.7 | 4.3 | 1.9 | 3.0 | 11.1 | 6.8 | 38.9 | 1651         |

MONTH: AUG HOURS: ALL

|              |      |     |     |     |     |     |      |      |      |      |
|--------------|------|-----|-----|-----|-----|-----|------|------|------|------|
| 00-02        |      |     |     |     |     |     |      |      |      | 0    |
| 03-05        | 13.0 | 1.6 | 8.5 | 2.5 | .4  | 3.6 | 14.6 | 3.6  | 48.3 | 445  |
| 06-08        |      |     |     |     |     |     |      |      |      | 0    |
| 09-11        | 9.7  | 1.0 | 5.1 | 3.3 | .5  | 3.1 | 15.1 | 7.7  | 48.7 | 390  |
| 12-14        |      |     |     |     |     |     |      |      |      | 0    |
| 15-17        | 10.4 | 2.9 | 7.0 | 2.9 | 1.9 | 3.1 | 13.7 | 10.6 | 45.5 | 415  |
| 18-20        |      |     |     |     |     |     |      |      |      | 0    |
| 21-23        | 10.0 | 2.1 | 8.9 | 3.5 | 1.2 | 3.5 | 15.2 | 7.2  | 46.5 | 428  |
| ALL<br>HOURS | 10.8 | 1.9 | 7.4 | 3.0 | 1.0 | 3.3 | 14.7 | 7.2  | 47.3 | 1678 |



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
MONTH: SEP HOURS: ALL

| HOURS<br>(LST) | SYNOP CLASSES |     |     |     |     |     |      |      |      | TOTAL<br>OBS |
|----------------|---------------|-----|-----|-----|-----|-----|------|------|------|--------------|
|                | CLEAR         | 1/8 | 2/8 | 3/8 | 4/8 | 5/8 | 6/8  | 7/8  | 8/8  |              |
| 00-02          |               |     |     |     |     |     |      |      |      | 0            |
| 03-05          | 18.0          | .7  | 5.5 | 2.4 | .5  | 1.9 | 7.2  | 2.4  | 58.4 | 416          |
| 06-08          |               |     |     |     |     |     |      |      |      | 0            |
| 09-11          | 7.7           | 1.0 | 6.3 | 3.6 | 1.0 | 2.9 | 15.0 | 8.0  | 50.4 | 413          |
| 12-14          |               |     |     |     |     |     |      |      |      | 0            |
| 15-17          | 6.9           | 1.7 | 6.9 | 2.5 | 2.7 | 3.7 | 16.0 | 10.3 | 47.7 | 407          |
| 18-20          |               |     |     |     |     |     |      |      |      | 0            |
| 21-23          | 9.0           | 1.9 | 5.4 | 2.6 | 1.7 | 2.8 | 11.6 | 7.1  | 55.2 | 424          |
| ALL<br>HOURS   | 10.4          | 1.3 | 6.0 | 2.8 | 1.4 | 2.8 | 12.4 | 6.9  | 53.0 | 1660         |

MONTH: OCT HOURS: ALL

|              |      |     |     |     |     |     |      |     |      |      |
|--------------|------|-----|-----|-----|-----|-----|------|-----|------|------|
| 00-02        |      |     |     |     |     |     |      |     |      | 0    |
| 03-05        | 30.9 |     | 4.7 | 1.5 | 1.5 | .7  | 5.5  | 3.5 | 50.1 | 401  |
| 06-08        |      |     |     |     |     |     |      |     |      | 0    |
| 09-11        | 18.7 | 1.3 | 7.4 | 2.8 | 1.5 | 2.1 | 7.2  | 5.9 | 51.0 | 390  |
| 12-14        |      |     |     |     |     |     |      |     |      | 0    |
| 15-17        | 17.3 | .5  | 5.9 | 2.6 | 2.0 | 3.6 | 17.6 | 6.6 | 41.6 | 392  |
| 18-20        |      |     |     |     |     |     |      |     |      | 0    |
| 21-23        | 24.4 | 1.0 | 5.9 | 2.5 | 1.5 | 1.0 | 5.9  | 3.0 | 53.0 | 406  |
| ALL<br>HOURS | 22.9 | .7  | 6.0 | 2.3 | 1.6 | 1.8 | 9.0  | 4.7 | 49.0 | 1569 |

D - 3 - 5

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 MONTH: NOV HOURS: ALL

| HOURS<br>(LST) | CLEAR | SYNOP CLASSES |     |     |     |     |     |     |      | TOTAL<br>OBS |
|----------------|-------|---------------|-----|-----|-----|-----|-----|-----|------|--------------|
|                |       | 1/8           | 2/8 | 3/8 | 4/8 | 5/8 | 6/8 | 7/8 | 8/8  |              |
| 00-02          |       |               |     |     |     |     |     |     |      | 0            |
| 03-05          | 50.0  |               | 2.7 | 1.0 | .2  | 1.2 | 3.7 | 1.0 | 36.6 | 404          |
| 06-08          |       |               |     |     |     |     |     |     |      | 0            |
| 09-11          | 48.7  | 1.3           | 3.7 | .3  | .3  | 1.6 | 3.7 | 3.2 | 35.0 | 374          |
| 12-14          |       |               |     |     |     |     |     |     |      | 0            |
| 15-17          | 29.5  | 2.9           | 8.4 | 5.0 | 2.1 | 3.4 | 6.6 | 5.8 | 30.0 | 380          |
| 18-20          |       |               |     |     |     |     |     |     |      | 0            |
| 21-23          | 45.6  | .3            | 4.3 | 1.3 | .5  | .8  | 2.3 | 2.3 | 38.3 | 397          |
| ALL<br>HOURS   | 43.5  | 1.1           | 4.8 | 1.9 | .8  | 1.7 | 4.1 | 3.0 | 35.0 | 1555         |

MONTH: DEC HOURS: ALL

|              |      |     |     |     |     |     |     |     |      |      |
|--------------|------|-----|-----|-----|-----|-----|-----|-----|------|------|
| 00-02        |      |     |     |     |     |     |     |     |      | 0    |
| 03-05        | 56.4 | .3  | 2.3 | 1.0 | 1.5 | 1.3 | 4.3 | 1.8 | 24.9 | 397  |
| 06-08        |      |     |     |     |     |     |     |     |      | 0    |
| 09-11        | 59.0 | .5  | 2.2 | 2.2 | .8  | 1.6 | 3.5 | 1.9 | 23.2 | 371  |
| 12-14        |      |     |     |     |     |     |     |     |      | 0    |
| 15-17        | 36.7 | 3.7 | 9.6 | 2.9 | 1.1 | 4.5 | 8.0 | 4.3 | 22.3 | 376  |
| 18-20        |      |     |     |     |     |     |     |     |      | 0    |
| 21-23        | 51.4 | .5  | 5.1 | 3.1 | 1.0 | 1.0 | 4.3 | 2.3 | 22.9 | 393  |
| ALL<br>HOURS | 50.7 | 1.2 | 4.7 | 2.3 | 1.1 | 2.1 | 5.0 | 2.5 | 23.4 | 1537 |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 MONTH: ALL HOURS: ALL

| HOURS<br>(LST) | SYNOP CLASSES |     |     |     |     |     |      |     |      | TOTAL<br>OBS |
|----------------|---------------|-----|-----|-----|-----|-----|------|-----|------|--------------|
|                | CLEAR         | 1/8 | 2/8 | 3/8 | 4/8 | 5/8 | 6/8  | 7/8 | 8/8  |              |
| 00-02          |               |     |     |     |     |     |      |     |      | 0            |
| 03-05          | 38.6          | 1.2 | 5.1 | 2.2 | 1.1 | 1.4 | 6.2  | 2.8 | 37.2 | 4948         |
| 06-08          |               |     |     |     |     |     |      |     |      | 0            |
| 09-11          | 33.1          | 1.3 | 5.1 | 2.7 | 1.0 | 2.0 | 8.8  | 4.6 | 36.9 | 4640         |
| 12-14          |               |     |     |     |     |     |      |     |      | 0            |
| 15-17          | 29.4          | 2.0 | 7.3 | 3.3 | 2.1 | 2.9 | 10.4 | 6.1 | 32.8 | 4691         |
| 18-20          |               |     |     |     |     |     |      |     |      | 0            |
| 21-23          | 34.5          | 1.8 | 6.8 | 3.3 | 1.3 | 2.0 | 8.1  | 4.1 | 34.3 | 4926         |
| ALL<br>HOURS   | 34.0          | 1.6 | 6.0 | 2.9 | 1.4 | 2.1 | 8.3  | 4.4 | 35.3 | 19205        |



|         |           |         |           |          |
|---------|-----------|---------|-----------|----------|
| PPPPPPP | AAAAA     | RRRRRRR | TTTTTTTTT | EEEEEEEE |
| PPPPPPP | AAAAAAA   | RRRRRRR | TTTTTTTTT | EEEEEEEE |
| PP PP   | AA AA     | RR RR   | TT        | EE       |
| PP PP   | AA AA     | RR RR   | TT        | EE       |
| PPPPPPP | AA AA     | RRRRRRR | TT        | EEEE     |
| PPPPPPP | AAAAAAAAA | RRRRRRR | TT        | EEEE     |
| PP      | AAAAAAAAA | RR RR   | TT        | EE       |
| PP      | AA AA     | RR RR   | TT        | EE       |
| PP      | AA AA     | RR RR   | TT        | EEEEEEEE |
| PP      | AA AA     | RR RR   | TT        | EEEEEEEE |

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 AWSF 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, DEW POINT 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.

SPECIAL CAVEAT: DURING PART TIME PERIODS, THESE SUMMARIES REPRESENT THE "HIGH" AND "LOW" TEMPERATURES RECORDED AND NOT NECESSARILY THE ACTUAL MAXIMUM AND MINIMUM VALUES. THESE SUMMARIES ARE INFLUENCED BY THE ABSENCE OF NIGHTTIME TEMPERATURE READINGS. THEREFORE, CERTAIN SUMMARIES MAY DEPICT A SLIGHT "WARM" BIAS.

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

DRY BULB TEMPERATURE SUMMARY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 03-05        | -7.2 | 16.349                | 403          | 283  | 402   | 0     | 0     | 0     | 403            |
| 06-08        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 09-11        | -6.7 | 17.345                | 390          | 269  | 387   | 0     | 0     | 0     | 390            |
| 12-14        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 15-17        | -6.5 | 16.290                | 378          | 257  | 374   | 0     | 0     | 0     | 378            |
| 18-20        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 21-23        | -7.6 | 15.982                | 401          | 280  | 400   | 0     | 0     | 0     | 401            |
| ALL<br>HOURS | -7.0 | 16.458                | 1572         | 1089   | 1563  | 0     | 0     | 0     | 1572           |

MONTH: FEB

|              |       |        |      |      |      |   |   |   |      |
|--------------|-------|--------|------|------|------|---|---|---|------|
| 00-02        | .0    | .000   | 0    | 0    | 0    | 0 | 0 | 0 | 0    |
| 03-05        | -12.9 | 16.161 | 339  | 268  | 337  | 0 | 0 | 0 | 339  |
| 06-08        | .0    | .000   | 0    | 0    | 0    | 0 | 0 | 0 | 0    |
| 09-11        | -12.6 | 16.181 | 320  | 258  | 318  | 0 | 0 | 0 | 320  |
| 12-14        | .0    | .000   | 0    | 0    | 0    | 0 | 0 | 0 | 0    |
| 15-17        | -12.0 | 16.287 | 328  | 262  | 327  | 0 | 0 | 0 | 328  |
| 18-20        | .0    | .000   | 0    | 0    | 0    | 0 | 0 | 0 | 0    |
| 21-23        | -13.0 | 15.826 | 347  | 284  | 346  | 0 | 0 | 0 | 347  |
| ALL<br>HOURS | -12.6 | 16.106 | 1334 | 1072 | 1328 | 0 | 0 | 0 | 1334 |



OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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        | .0    | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 03-05        | -16.1 | 12.999                | 419          | 373  | 419   | 0     | 0     | 0     | 419            |
| 06-08        | .0    | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 09-11        | -16.8 | 13.173                | 392          | 350  | 392   | 0     | 0     | 0     | 392            |
| 12-14        | .0    | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 15-17        | -10.4 | 12.709                | 399          | 325  | 399   | 0     | 0     | 0     | 399            |
| 18-20        | .0    | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 21-23        | -13.9 | 12.231                | 428          | 383  | 427   | 0     | 0     | 0     | 428            |
| ALL<br>HOURS | -14.3 | 12.981                | 1638         | 1431   | 1637  | 0     | 0     | 0     | 1638           |

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        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 03-05        | -6.4 | 14.831                | 430          | 311  | 425   | 0     | 0     | 0     | 430            |
| 06-08        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 09-11        | -7.5 | 14.839                | 385          | 281  | 383   | 0     | 0     | 0     | 385            |
| 12-14        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 15-17        | 3.4  | 14.700                | 405          | 187  | 388   | 0     | 0     | 0     | 405            |
| 18-20        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 21-23        | .5   | 14.344                | 417          | 233  | 403   | 0     | 0     | 0     | 417            |
| ALL<br>HOURS | -2.5 | 15.387                | 1637         | 1012   | 1599  | 0     | 0     | 0     | 1637           |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 03-05        | 19.1 | 10.156                | 434          | 15   | 398   | 0     | 0     | 0     | 434            |
| 06-08        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 09-11        | 20.2 | 10.018                | 409          | 12   | 369   | 0     | 0     | 0     | 409            |
| 12-14        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 15-17        | 26.3 | 9.250                 | 421          | 2  | 313   | 0     | 0     | 0     | 421            |
| 18-20        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 21-23        | 25.4 | 9.233                 | 432          | 2  | 341   | 0     | 0     | 0     | 432            |
| ALL<br>HOURS | 22.8 | 10.121                | 1696         | 31   | 1421  | 0     | 0     | 0     | 1696           |

MONTH: JUN

|              |      |       |      |   |     |    |   |   |      |
|--------------|------|-------|------|---|-----|----|---|---|------|
| 00-02        | .0   | .000  | 0    | 0 | 0   | 0  | 0 | 0 | 0    |
| 03-05        | 36.4 | 5.737 | 441  | 0 | 121 | 0  | 0 | 0 | 441  |
| 06-08        | .0   | .000  | 0    | 0 | 0   | 0  | 0 | 0 | 0    |
| 09-11        | 38.5 | 6.911 | 409  | 0 | 64  | 0  | 0 | 0 | 409  |
| 12-14        | .0   | .000  | 0    | 0 | 0   | 0  | 0 | 0 | 0    |
| 15-17        | 42.7 | 7.897 | 405  | 0 | 23  | 3  | 0 | 0 | 405  |
| 18-20        | .0   | .000  | 0    | 0 | 0   | 0  | 0 | 0 | 0    |
| 21-23        | 42.0 | 8.236 | 433  | 0 | 27  | 8  | 0 | 0 | 433  |
| ALL<br>HOURS | 39.8 | 7.711 | 1688 | 0 | 235 | 11 | 0 | 0 | 1688 |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 03-05        | 43.9 | 6.464                 | 429          | 0  | 14    | 1     | 0     | 0     | 429            |
| 06-08        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 09-11        | 45.8 | 6.802                 | 404          | 0  | 4     | 0     | 0     | 0     | 404            |
| 12-14        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 15-17        | 50.8 | 9.381                 | 398          | 0  | 0     | 31    | 1     | 0     | 398            |
| 18-20        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 21-23        | 50.0 | 9.121                 | 429          | 0  | 0     | 25    | 0     | 0     | 429            |
| ALL<br>HOURS | 47.6 | 8.491                 | 1660         | 0  | 18    | 57    | 1     | 0     | 1660           |

MONTH: AUG

|              |      |       |      |   |    |    |   |   |      |
|--------------|------|-------|------|---|----|----|---|---|------|
| 00-02        | .0   | .000  | 0    | 0 | 0  | 0  | 0 | 0 | 0    |
| 03-05        | 42.4 | 6.686 | 445  | 0 | 26 | 1  | 0 | 0 | 445  |
| 06-08        | .0   | .000  | 0    | 0 | 0  | 0  | 0 | 0 | 0    |
| 09-11        | 42.9 | 7.035 | 393  | 0 | 21 | 0  | 0 | 0 | 393  |
| 12-14        | .0   | .000  | 0    | 0 | 0  | 0  | 0 | 0 | 0    |
| 15-17        | 48.1 | 8.144 | 416  | 0 | 5  | 13 | 1 | 0 | 416  |
| 18-20        | .0   | .000  | 0    | 0 | 0  | 0  | 0 | 0 | 0    |
| 21-23        | 46.7 | 7.730 | 431  | 0 | 6  | 6  | 0 | 0 | 431  |
| ALL<br>HOURS | 45.0 | 7.815 | 1685 | 0 | 58 | 20 | 1 | 0 | 1685 |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 03-05        | 33.5 | 7.734                 | 417          | 1  | 192   | 1     | 0     | 0     | 417            |
| 06-08        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 09-11        | 32.5 | 7.496                 | 416          | 0  | 222   | 0     | 0     | 0     | 416            |
| 12-14        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 15-17        | 37.3 | 8.424                 | 410          | 0  | 116   | 0     | 0     | 0     | 410            |
| 18-20        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 21-23        | 35.4 | 8.421                 | 427          | 1  | 142   | 0     | 0     | 0     | 427            |
| ALL<br>HOURS | 34.7 | 8.209                 | 1670         | 2  | 672   | 1     | 0     | 0     | 1670           |

MONTH: OCT

|              |      |        |      |     |      |   |   |   |      |
|--------------|------|--------|------|-----|------|---|---|---|------|
| 00-02        | .0   | .000   | 0    | 0   | 0    | 0 | 0 | 0 | 0    |
| 03-05        | 14.1 | 12.416 | 404  | 69  | 391  | 0 | 0 | 0 | 404  |
| 06-08        | .0   | .000   | 0    | 0   | 0    | 0 | 0 | 0 | 0    |
| 09-11        | 14.1 | 12.308 | 392  | 59  | 382  | 0 | 0 | 0 | 392  |
| 12-14        | .0   | .000   | 0    | 0   | 0    | 0 | 0 | 0 | 0    |
| 15-17        | 16.3 | 12.401 | 393  | 51  | 372  | 0 | 0 | 0 | 393  |
| 18-20        | .0   | .000   | 0    | 0   | 0    | 0 | 0 | 0 | 0    |
| 21-23        | 14.5 | 12.305 | 407  | 62  | 395  | 0 | 0 | 0 | 407  |
| ALL<br>HOURS | 14.8 | 12.397 | 1596 | 241 | 1540 | 0 | 0 | 0 | 1596 |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 03-05        | -.3  | 15.138                | 404          | 221  | 398   | 0     | 0     | 0     | 404            |
| 06-08        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 09-11        | -.9  | 15.260                | 374          | 205  | 369   | 0     | 0     | 0     | 374            |
| 12-14        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 15-17        | .2   | 15.285                | 381          | 191  | 376   | 0     | 0     | 0     | 381            |
| 18-20        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 21-23        | -1.6 | 15.114                | 399          | 228  | 394   | 0     | 0     | 0     | 399            |
| ALL<br>HOURS | -.7  | 15.184                | 1558         | 845  | 1537  | 0     | 0     | 0     | 1558           |

MONTH: DEC

| 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        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 03-05        | -9.5 | 16.036                | 398          | 296  | 395   | 1     | 1     | 1     | 398            |
| 06-08        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 09-11        | -9.7 | 16.274                | 372          | 276  | 369   | 1     | 0     | 0     | 372            |
| 12-14        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 15-17        | -9.1 | 15.698                | 377          | 278  | 375   | 0     | 0     | 0     | 377            |
| 18-20        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 21-23        | -8.9 | 15.677                | 393          | 290  | 392   | 0     | 0     | 0     | 393            |
| ALL<br>HOURS | -9.3 | 15.918                | 1540         | 1140   | 1531  | 2     | 1     | 1     | 1540           |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 03-05        | 12.3 | 25.180                | 4963         | 1837   | 3518  | 4     | 1     | 1     | 4963           |
| 06-08        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 09-11        | 12.5 | 25.753                | 4656         | 1710   | 3280  | 1     | 0     | 0     | 4656           |
| 12-14        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 15-17        | 16.5 | 26.417                | 4711         | 1553   | 3068  | 47    | 2     | 0     | 4711           |
| 18-20        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 21-23        | 15.0 | 26.613                | 4944         | 1763   | 3273  | 39    | 0     | 0     | 4944           |
| ALL<br>HOURS | 14.1 | 26.052                | 19274        | 6863   | 13139 | 91    | 3     | 1     | 19274          |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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 | CE 80 |                |
| 00-02        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 03-05        | -7.3 | 16.172                | 403          | 402  | 0     | 0     | 0     | 0     | 403            |
| 06-08        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 09-11        | -6.9 | 16.991                | 390          | 387  | 1     | 0     | 0     | 0     | 390            |
| 12-14        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 15-17        | -6.7 | 16.045                | 378          | 374  | 1     | 0     | 0     | 0     | 378            |
| 18-20        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 21-23        | -7.8 | 15.769                | 401          | 400  | 0     | 0     | 0     | 0     | 401            |
| ALL<br>HOURS | -7.2 | 16.224                | 1572         | 1563   | 2     | 0     | 0     | 0     | 1572           |

MONTH: FEB

|              |       |        |      |      |   |   |   |   |      |
|--------------|-------|--------|------|------|---|---|---|---|------|
| 00-02        | .0    | .000   | 0    | 0    | 0 | 0 | 0 | 0 | 0    |
| 03-05        | -13.0 | 15.883 | 339  | 338  | 0 | 0 | 0 | 0 | 339  |
| 06-08        | .0    | .000   | 0    | 0    | 0 | 0 | 0 | 0 | 0    |
| 09-11        | -12.8 | 15.735 | 320  | 318  | 0 | 0 | 0 | 0 | 320  |
| 12-14        | .0    | .000   | 0    | 0    | 0 | 0 | 0 | 0 | 0    |
| 15-17        | -12.1 | 16.061 | 328  | 327  | 0 | 0 | 0 | 0 | 328  |
| 18-20        | .0    | .000   | 0    | 0    | 0 | 0 | 0 | 0 | 0    |
| 21-23        | -13.2 | 15.627 | 347  | 346  | 0 | 0 | 0 | 0 | 347  |
| ALL<br>HOURS | -12.8 | 15.807 | 1334 | 1329 | 0 | 0 | 0 | 0 | 1334 |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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        | .0    | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 03-05        | -16.2 | 12.730                | 419          | 419  | 0     | 0     | 0     | 0     | 419            |
| 06-08        | .0    | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 09-11        | -16.9 | 12.991                | 392          | 392  | 0     | 0     | 0     | 0     | 392            |
| 12-14        | .0    | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 15-17        | -10.6 | 12.484                | 399          | 399  | 0     | 0     | 0     | 0     | 399            |
| 18-20        | .0    | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 21-23        | -14.0 | 12.048                | 428          | 428  | 0     | 0     | 0     | 0     | 428            |
| ALL<br>HOURS | -14.4 | 12.758                | 1638         | 1638   | 0     | 0     | 0     | 0     | 1638           |

MONTH: APR

|              |      |        |      |      |   |   |   |   |      |
|--------------|------|--------|------|------|---|---|---|---|------|
| 00-02        | .0   | .000   | 0    | 0    | 0 | 0 | 0 | 0 | 0    |
| 03-05        | -6.6 | 14.559 | 430  | 427  | 0 | 0 | 0 | 0 | 430  |
| 06-08        | .0   | .000   | 0    | 0    | 0 | 0 | 0 | 0 | 0    |
| 09-11        | -7.7 | 14.595 | 385  | 383  | 0 | 0 | 0 | 0 | 385  |
| 12-14        | .0   | .000   | 0    | 0    | 0 | 0 | 0 | 0 | 0    |
| 15-17        | 2.9  | 14.087 | 405  | 393  | 1 | 0 | 0 | 0 | 405  |
| 18-20        | .0   | .000   | 0    | 0    | 0 | 0 | 0 | 0 | 0    |
| 21-23        | .1   | 13.856 | 417  | 408  | 0 | 0 | 0 | 0 | 417  |
| ALL<br>HOURS | -2.8 | 14.934 | 1637 | 1611 | 1 | 0 | 0 | 0 | 1637 |



OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 MONTH: MAY

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN  | NUMBER OF HOURS WITH | TEMPERATURES | DEG F | TOTAL |       |
|--------------|------|-----------------------|--------------|-------|----------------------|--------------|-------|-------|-------|
|              |      |                       |              | LE 32 | GE 50                | GE 67        | GE 73 | GE 80 | HOURS |
| 00-02        | .0   | .000                  | 0            | 0     | 0                    | 0            | 0     | 0     | 0     |
| 03-05        | 18.2 | 9.869                 | 434          | 404   | 0                    | 0            | 0     | 0     | 434   |
| 06-08        | .0   | .000                  | 0            | 0     | 0                    | 0            | 0     | 0     | 0     |
| 09-11        | 19.3 | 9.718                 | 409          | 375   | 0                    | 0            | 0     | 0     | 409   |
| 12-14        | .0   | .000                  | 0            | 0     | 0                    | 0            | 0     | 0     | 0     |
| 15-17        | 25.0 | 8.778                 | 421          | 328   | 0                    | 0            | 0     | 0     | 421   |
| 18-20        | .0   | .000                  | 0            | 0     | 0                    | 0            | 0     | 0     | 0     |
| 21-23        | 24.1 | 8.868                 | 432          | 354   | 1                    | 0            | 0     | 0     | 432   |
| ALL<br>HOURS | 21.7 | 9.778                 | 1696         | 1461  | 1                    | 0            | 0     | 0     | 1696  |

MONTH: JUN

|              |      |       |      |     |     |   |   |   |      |
|--------------|------|-------|------|-----|-----|---|---|---|------|
| 00-02        | .0   | .000  | 0    | 0   | 0   | 0 | 0 | 0 | 0    |
| 03-05        | 35.2 | 5.500 | 441  | 144 | 7   | 0 | 0 | 0 | 441  |
| 06-08        | .0   | .000  | 0    | 0   | 0   | 0 | 0 | 0 | 0    |
| 09-11        | 37.1 | 6.232 | 409  | 83  | 11  | 0 | 0 | 0 | 409  |
| 12-14        | .0   | .000  | 0    | 0   | 0   | 0 | 0 | 0 | 0    |
| 15-17        | 40.4 | 6.753 | 405  | 30  | 43  | 0 | 0 | 0 | 405  |
| 18-20        | .0   | .000  | 0    | 0   | 0   | 0 | 0 | 0 | 0    |
| 21-23        | 39.8 | 6.947 | 433  | 38  | 43  | 0 | 0 | 0 | 433  |
| ALL<br>HOURS | 38.1 | 6.689 | 1688 | 295 | 104 | 0 | 0 | 0 | 1688 |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 MONTH: JUL

| HOURS LST | MEAN | STANDARD DEVIATION | TOTAL OBS | MEAN LE 32 | NUMBER GE 50 | OF GE 67 | HOURS WITH GE 73 | TEMPERATURES GE 80 | DEG F | TOTAL HOURS |
|-----------|------|--------------------|-----------|------------|--------------|----------|------------------|--------------------|-------|-------------|
| 00-02     | .0   | .000               | 0         | 0          | 0            | 0        | 0                | 0                  | 0     | 0           |
| 03-05     | 42.4 | 5.881              | 429       | 18         | 53           | 0        | 0                | 0                  | 0     | 429         |
| 06-08     | .0   | .000               | 0         | 0          | 0            | 0        | 0                | 0                  | 0     | 0           |
| 09-11     | 44.0 | 6.076              | 404       | 7          | 79           | 0        | 0                | 0                  | 0     | 404         |
| 12-14     | .0   | .000               | 0         | 0          | 0            | 0        | 0                | 0                  | 0     | 0           |
| 15-17     | 47.8 | 7.688              | 398       | 1          | 159          | 6        | 1                | 0                  | 0     | 398         |
| 18-20     | .0   | .000               | 0         | 0          | 0            | 0        | 0                | 0                  | 0     | 0           |
| 21-23     | 47.2 | 7.454              | 429       | 2          | 159          | 4        | 0                | 0                  | 0     | 429         |
| ALL HOURS | 45.3 | 7.153              | 1660      | 28         | 450          | 10       | 1                | 0                  | 0     | 1660        |

MONTH: AUG

|           |      |       |      |    |     |   |   |   |   |      |
|-----------|------|-------|------|----|-----|---|---|---|---|------|
| 00-02     | .0   | .000  | 0    | 0  | 0   | 0 | 0 | 0 | 0 | 0    |
| 03-05     | 41.2 | 6.443 | 445  | 33 | 45  | 0 | 0 | 0 | 0 | 445  |
| 06-08     | .0   | .000  | 0    | 0  | 0   | 0 | 0 | 0 | 0 | 0    |
| 09-11     | 41.8 | 6.753 | 393  | 24 | 47  | 0 | 0 | 0 | 0 | 393  |
| 12-14     | .0   | .000  | 0    | 0  | 0   | 0 | 0 | 0 | 0 | 0    |
| 15-17     | 45.7 | 7.208 | 416  | 6  | 130 | 1 | 0 | 0 | 0 | 416  |
| 18-20     | .0   | .000  | 0    | 0  | 0   | 0 | 0 | 0 | 0 | 0    |
| 21-23     | 44.7 | 6.990 | 431  | 7  | 113 | 1 | 0 | 0 | 0 | 431  |
| ALL HOURS | 43.3 | 7.068 | 1685 | 70 | 335 | 2 | 0 | 0 | 0 | 1685 |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 03-05        | 32.5 | 7.304                 | 417          | 202  | 4     | 1     | 1     | 0     | 417            |
| 06-08        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 09-11        | 31.6 | 7.296                 | 416          | 226  | 2     | 0     | 0     | 0     | 416            |
| 12-14        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 15-17        | 35.8 | 7.680                 | 410          | 129  | 19    | 0     | 0     | 0     | 410            |
| 18-20        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 21-23        | 34.3 | 8.051                 | 427          | 160  | 10    | 0     | 0     | 0     | 427            |
| ALL<br>HOURS | 33.5 | 7.758                 | 1670         | 717  | 35    | 1     | 1     | 0     | 1670           |

MONTH: OCT

|              |      |        |      |      |   |   |   |   |      |
|--------------|------|--------|------|------|---|---|---|---|------|
| 00-02        | .0   | .000   | 0    | 0    | 0 | 0 | 0 | 0 | 0    |
| 03-05        | 13.6 | 12.185 | 404  | 394  | 0 | 0 | 0 | 0 | 404  |
| 06-08        | .0   | .000   | 0    | 0    | 0 | 0 | 0 | 0 | 0    |
| 09-11        | 13.6 | 12.120 | 392  | 382  | 0 | 0 | 0 | 0 | 392  |
| 12-14        | .0   | .000   | 0    | 0    | 0 | 0 | 0 | 0 | 0    |
| 15-17        | 15.7 | 12.108 | 393  | 374  | 0 | 0 | 0 | 0 | 393  |
| 18-20        | .0   | .000   | 0    | 0    | 0 | 0 | 0 | 0 | 0    |
| 21-23        | 14.0 | 12.094 | 407  | 397  | 0 | 0 | 0 | 0 | 407  |
| ALL<br>HOURS | 14.2 | 12.152 | 1596 | 1547 | 0 | 0 | 0 | 0 | 1596 |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 03-05        | -.7  | 14.818                | 404          | 399  | 0     | 0     | 0     | 0     | 404            |
| 06-08        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 09-11        | -1.2 | 14.950                | 374          | 369  | 0     | 0     | 0     | 0     | 374            |
| 12-14        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 15-17        | -.1  | 14.933                | 381          | 378  | 0     | 0     | 0     | 0     | 381            |
| 18-20        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 21-23        | -2.0 | 14.732                | 399          | 396  | 0     | 0     | 0     | 0     | 399            |
| ALL<br>HOURS | -1.0 | 14.866                | 1558         | 1542   | 0     | 0     | 0     | 0     | 1558           |

MONTH: DEC

|              |      |        |      |      |   |   |   |   |      |
|--------------|------|--------|------|------|---|---|---|---|------|
| 00-02        | .0   | .000   | 0    | 0    | 0 | 0 | 0 | 0 | 0    |
| 03-05        | -9.7 | 15.332 | 398  | 396  | 1 | 0 | 0 | 0 | 398  |
| 06-08        | .0   | .000   | 0    | 0    | 0 | 0 | 0 | 0 | 0    |
| 09-11        | -9.9 | 16.035 | 372  | 370  | 1 | 1 | 1 | 0 | 372  |
| 12-14        | .0   | .000   | 0    | 0    | 0 | 0 | 0 | 0 | 0    |
| 15-17        | -9.3 | 15.426 | 377  | 376  | 0 | 0 | 0 | 0 | 377  |
| 18-20        | .0   | .000   | 0    | 0    | 0 | 0 | 0 | 0 | 0    |
| 21-23        | -9.1 | 15.486 | 393  | 393  | 0 | 0 | 0 | 0 | 393  |
| ALL<br>HOURS | -9.5 | 15.543 | 1540 | 1535 | 2 | 1 | 1 | 0 | 1540 |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 03-05        | 11.7 | 24.630                | 4963         | 3576   | 110   | 1     | 1     | 0     | 4963           |
| 06-08        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 09-11        | 11.9 | 25.169                | 4656         | 3316   | 141   | 1     | 1     | 0     | 4656           |
| 12-14        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 15-17        | 15.4 | 25.346                | 4711         | 3115   | 353   | 7     | 1     | 0     | 4711           |
| 18-20        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0     | 0              |
| 21-23        | 14.0 | 25.662                | 4944         | 3329   | 326   | 5     | 0     | 0     | 4944           |
| ALL<br>HOURS | 13.2 | 25.249                | 19274        | 13336  | 930   | 14    | 3     | 0     | 19274          |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
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        | .0    | .000                  | 0            | 0  | 0     | 0     | 0     | 0              |
| 03-05        | -12.5 | 18.252                | 403          | 396  | 0     | 403   | 0     | 403            |
| 06-08        | .0    | .000                  | 0            | 0  | 0     | 0     | 0     | 0              |
| 09-11        | -12.1 | 18.457                | 390          | 381  | 1     | 390   | 0     | 390            |
| 12-14        | .0    | .000                  | 0            | 0  | 0     | 0     | 0     | 0              |
| 15-17        | -12.0 | 17.448                | 378          | 371  | 1     | 378   | 0     | 378            |
| 18-20        | .0    | .000                  | 0            | 0  | 0     | 0     | 0     | 0              |
| 21-23        | -12.9 | 17.234                | 401          | 398  | 0     | 401   | 0     | 401            |
| ALL<br>HOURS | -12.4 | 17.861                | 1572         | 1546   | 2     | 1572  | 0     | 1572           |

MONTH: FEB

|              |       |        |      |      |   |      |   |      |
|--------------|-------|--------|------|------|---|------|---|------|
| 00-02        | .0    | .000   | 0    | 0    | 0 | 0    | 0 | 0    |
| 03-05        | -18.8 | 16.756 | 339  | 335  | 0 | 339  | 0 | 0    |
| 06-08        | .0    | .000   | 0    | 0    | 0 | 0    | 0 | 0    |
| 09-11        | -18.6 | 16.432 | 320  | 318  | 0 | 320  | 0 | 0    |
| 12-14        | .0    | .000   | 0    | 0    | 0 | 0    | 0 | 0    |
| 15-17        | -17.6 | 17.249 | 328  | 327  | 0 | 328  | 0 | 0    |
| 18-20        | .0    | .000   | 0    | 0    | 0 | 0    | 0 | 0    |
| 21-23        | -19.0 | 17.080 | 347  | 344  | 0 | 347  | 0 | 0    |
| ALL<br>HOURS | -18.5 | 16.889 | 1334 | 1324 | 0 | 1334 | 0 | 1334 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
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        | .0    | .000                  | 0            | 0  | 0     | 0     | 0     | 0              |
| 03-05        | -22.5 | 13.662                | 419          | 419  | 0     | 419   | 0     | 419            |
| 06-08        | .0    | .000                  | 0            | 0  | 0     | 0     | 0     | 0              |
| 09-11        | -23.0 | 14.221                | 392          | 392  | 0     | 392   | 0     | 392            |
| 12-14        | .0    | .000                  | 0            | 0  | 0     | 0     | 0     | 0              |
| 15-17        | -16.5 | 13.606                | 399          | 399  | 0     | 399   | 0     | 399            |
| 18-20        | .0    | .000                  | 0            | 0  | 0     | 0     | 0     | 0              |
| 21-23        | -20.1 | 13.182                | 428          | 426  | 0     | 428   | 0     | 428            |
| ALL<br>HOURS | -20.5 | 13.901                | 1638         | 1636   | 0     | 1638  | 0     | 1638           |

MONTH: APR

|              |       |        |      |      |   |      |   |      |
|--------------|-------|--------|------|------|---|------|---|------|
| 00-02        | .0    | .000   | 0    | 0    | 0 | 0    | 0 | 0    |
| 03-05        | -12.3 | 15.864 | 430  | 423  | 0 | 430  | 0 | 0    |
| 06-08        | .0    | .000   | 0    | 0    | 0 | 0    | 0 | 0    |
| 09-11        | -13.4 | 16.062 | 385  | 383  | 0 | 385  | 0 | 0    |
| 12-14        | .0    | .000   | 0    | 0    | 0 | 0    | 0 | 0    |
| 15-17        | -2.2  | 15.299 | 405  | 389  | 1 | 405  | 0 | 0    |
| 18-20        | .0    | .000   | 0    | 0    | 0 | 0    | 0 | 0    |
| 21-23        | -5.3  | 14.942 | 417  | 406  | 1 | 417  | 0 | 0    |
| ALL<br>HOURS | -8.3  | 16.234 | 1637 | 1601 | 2 | 1637 | 0 | 1637 |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 MONTH: MAY

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEC F |       |       |       | TOTAL<br>HOURS |
|--------------|------|-----------------------|--------------|--|-------|-------|-------|----------------|
|              |      |                       |              | LE 27  | GE 37 | LE 55 | GE 65 |                |
| 00-02        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0              |
| 03-05        | 14.4 | 11.213                | 434          | 382  | 1     | 434   | 0     | 434            |
| 06-08        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0              |
| 09-11        | 15.6 | 10.919                | 409          | 348  | 7     | 409   | 0     | 409            |
| 12-14        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0              |
| 15-17        | 21.2 | 10.301                | 421          | 293  | 21    | 421   | 0     | 421            |
| 18-20        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0              |
| 21-23        | 20.6 | 10.124                | 432          | 312  | 16    | 432   | 0     | 432            |
| ALL<br>HOURS | 17.9 | 11.076                | 1696         | 1335   | 45    | 1696  | 0     | 1696           |

MONTH: JUN

|              |      |       |      |     |     |      |   |      |
|--------------|------|-------|------|-----|-----|------|---|------|
| 00-02        | .0   | .000  | 0    | 0   | 0   | 0    | 0 | 0    |
| 03-05        | 33.4 | 5.902 | 441  | 55  | 109 | 441  | 0 | 0    |
| 06-08        | .0   | .000  | 0    | 0   | 0   | 0    | 0 | 0    |
| 09-11        | 35.0 | 6.494 | 409  | 31  | 140 | 408  | 0 | 0    |
| 12-14        | .0   | .000  | 0    | 0   | 0   | 0    | 0 | 0    |
| 15-17        | 37.5 | 6.765 | 405  | 18  | 204 | 402  | 0 | 0    |
| 18-20        | .0   | .000  | 0    | 0   | 0   | 0    | 0 | 0    |
| 21-23        | 37.2 | 6.659 | 433  | 14  | 195 | 427  | 1 | 0    |
| ALL<br>HOURS | 35.8 | 6.703 | 1688 | 118 | 648 | 1678 | 1 | 1688 |



OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0              |
| 03-05        | 40.8 | 6.255                 | 429          | 7  | 321   | 428   | 0     | 429            |
| 06-08        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0              |
| 09-11        | 42.2 | 6.273                 | 404          | 1  | 326   | 403   | 0     | 404            |
| 12-14        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0              |
| 15-17        | 44.9 | 7.521                 | 398          | 0  | 341   | 372   | 4     | 398            |
| 18-20        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0              |
| 21-23        | 44.6 | 7.088                 | 429          | 1  | 363   | 407   | 3     | 429            |
| ALL<br>HOURS | 43.1 | 7.028                 | 1660         | 9  | 1351  | 1610  | 7     | 1660           |

MONTH: AUG

|              |      |       |      |    |      |      |   |      |
|--------------|------|-------|------|----|------|------|---|------|
| 00-02        | .0   | .000  | 0    | 0  | 0    | 0    | 0 | 0    |
| 03-05        | 39.8 | 7.039 | 445  | 15 | 292  | 443  | 0 | 0    |
| 06-08        | .0   | .000  | 0    | 0  | 0    | 0    | 0 | 0    |
| 09-11        | 40.5 | 7.077 | 393  | 9  | 271  | 389  | 0 | 0    |
| 12-14        | .0   | .000  | 0    | 0  | 0    | 0    | 0 | 0    |
| 15-17        | 43.2 | 7.633 | 416  | 6  | 334  | 402  | 0 | 0    |
| 18-20        | .0   | .000  | 0    | 0  | 0    | 0    | 0 | 0    |
| 21-23        | 42.6 | 7.079 | 431  | 6  | 336  | 421  | 0 | 0    |
| ALL<br>HOURS | 41.5 | 7.378 | 1685 | 36 | 1233 | 1655 | 0 | 1685 |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 70121C

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0              |
| 03-05        | 30.7 | 7.774                 | 417          | 119  | 84    | 416   | 1     | 417            |
| 06-08        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0              |
| 09-11        | 29.8 | 8.120                 | 416          | 127  | 80    | 416   | 0     | 416            |
| 12-14        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0              |
| 15-17        | 33.3 | 8.029                 | 410          | 83   | 127   | 409   | 0     | 410            |
| 18-20        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0              |
| 21-23        | 32.3 | 8.674                 | 427          | 100  | 128   | 427   | 0     | 427            |
| ALL<br>HOURS | 31.5 | 8.283                 | 1670         | 429  | 419   | 1668  | 1     | 1670           |

MONTH: OCT

|              |      |        |      |      |   |      |   |      |
|--------------|------|--------|------|------|---|------|---|------|
| 00-02        | .0   | .000   | 0    | 0    | 0 | 0    | 0 | 0    |
| 03-05        | 9.8  | 13.563 | 404  | 380  | 1 | 404  | 0 | 0    |
| 06-08        | .0   | .000   | 0    | 0    | 0 | 0    | 0 | 0    |
| 09-11        | 10.2 | 13.337 | 392  | 365  | 1 | 392  | 0 | 0    |
| 12-14        | .0   | .000   | 0    | 0    | 0 | 0    | 0 | 0    |
| 15-17        | 12.3 | 13.604 | 393  | 358  | 2 | 393  | 0 | 0    |
| 18-20        | .0   | .000   | 0    | 0    | 0 | 0    | 0 | 0    |
| 21-23        | 10.5 | 13.368 | 407  | 382  | 0 | 407  | 0 | 0    |
| ALL<br>HOURS | 10.7 | 13.504 | 1596 | 1485 | 4 | 1596 | 0 | 1596 |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 MONTH: NOV

| 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        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0              |
| 03-05        | -5.9 | 16.416                | 404          | 396  | 0     | 404   | 0     | 404            |
| 06-08        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0              |
| 09-11        | -6.6 | 16.980                | 374          | 367  | 0     | 374   | 0     | 374            |
| 12-14        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0              |
| 15-17        | -5.3 | 16.726                | 381          | 370  | 0     | 381   | 0     | 381            |
| 18-20        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0              |
| 21-23        | -7.3 | 16.162                | 399          | 391  | 0     | 399   | 0     | 399            |
| ALL<br>HOURS | -6.3 | 16.573                | 1558         | 1524   | 0     | 1558  | 0     | 1558           |

MONTH: DEC

| 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        | .0    | .000                  | 0            | 0  | 0     | 0     | 0     | 0              |
| 03-05        | -15.6 | 16.530                | 398          | 395  | 0     | 398   | 0     | 398            |
| 06-08        | .0    | .000                  | 0            | 0  | 0     | 0     | 0     | 0              |
| 09-11        | -15.9 | 17.468                | 372          | 369  | 1     | 371   | 1     | 372            |
| 12-14        | .0    | .000                  | 0            | 0  | 0     | 0     | 0     | 0              |
| 15-17        | -14.9 | 17.066                | 377          | 374  | 0     | 377   | 0     | 377            |
| 18-20        | .0    | .000                  | 0            | 0  | 0     | 0     | 0     | 0              |
| 21-23        | -14.7 | 17.032                | 393          | 388  | 0     | 393   | 0     | 393            |
| ALL<br>HOURS | -15.3 | 17.024                | 1540         | 1526   | 1     | 1539  | 1     | 1540           |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0              |
| 03-05        | 7.7  | 26.747                | 4963         | 3322   | 808   | 4959  | 1     | 4963           |
| 06-08        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0              |
| 09-11        | 7.9  | 27.256                | 4656         | 3091   | 827   | 4649  | 1     | 4656           |
| 12-14        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0              |
| 15-17        | 11.3 | 26.972                | 4711         | 2988   | 1031  | 4667  | 4     | 4711           |
| 18-20        | .0   | .000                  | 0            | 0  | 0     | 0     | 0     | 0              |
| 21-23        | 10.0 | 27.416                | 4944         | 3168   | 1039  | 4906  | 4     | 4944           |
| ALL<br>HOURS | 9.2  | 27.136                | 19274        | 12569  | 3705  | 19181 | 10    | 19274          |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 MONTH: JAN

| HOURS<br>LST | RELATIVE HUMIDITY GREATER THAN OR EQUAL TO |       |       |      |      |      |      |      |      | MEAN | TOTAL OBS |
|--------------|--|-------|-------|------|------|------|------|------|------|------|-----------|
|              | 10%  | 20%   | 30%   | 40%  | 50%  | 60%  | 70%  | 80%  | 90%  |      |           |
| 00-02        |  |       |       |      |      |      |      |      |      | .0   | 0         |
| 03-05        | 100.0                                      | 100.0 | 100.0 | 99.5 | 96.8 | 91.3 | 76.2 | 36.2 | 14.6 | 75.6 | 403       |
| 06-08        |  |       |       |      |      |      |      |      |      | .0   | 0         |
| 09-11        | 100.0                                      | 99.5  | 99.5  | 98.5 | 96.4 | 91.0 | 77.9 | 38.5 | 15.4 | 75.6 | 390       |
| 12-14        |  |       |       |      |      |      |      |      |      | .0   | 0         |
| 15-17        | 100.0                                      | 99.7  | 99.7  | 99.2 | 97.1 | 89.7 | 74.6 | 37.8 | 14.6 | 75.0 | 378       |
| 18-20        |  |       |       |      |      |      |      |      |      | .0   | 0         |
| 21-23        | 100.0                                      | 100.0 | 100.0 | 99.5 | 97.5 | 89.8 | 74.1 | 37.4 | 12.2 | 75.1 | 401       |
| ALL<br>HOURS | 100.0                                      | 99.8  | 99.8  | 99.2 | 96.9 | 90.5 | 75.7 | 37.5 | 14.2 | 75.4 | 1572      |

MONTH: FEB

|              |       |       |       |      |      |      |      |      |     |      |      |
|--------------|-------|-------|-------|------|------|------|------|------|-----|------|------|
| 00-02        |       |       |       |      |      |      |      |      |     | .0   | 0    |
| 03-05        | 100.0 | 100.0 | 99.7  | 99.4 | 97.1 | 89.1 | 66.4 | 24.8 | 8.8 | 72.4 | 339  |
| 06-08        |       |       |       |      |      |      |      |      |     | .0   | 0    |
| 09-11        | 99.7  | 99.7  | 99.7  | 98.4 | 96.9 | 90.0 | 69.1 | 27.2 | 5.9 | 72.4 | 320  |
| 12-14        |       |       |       |      |      |      |      |      |     | .0   | 0    |
| 15-17        | 100.0 | 100.0 | 100.0 | 99.4 | 96.6 | 89.3 | 72.9 | 32.3 | 7.9 | 73.7 | 328  |
| 18-20        |       |       |       |      |      |      |      |      |     | .0   | 0    |
| 21-23        | 100.0 | 99.7  | 99.4  | 98.6 | 95.1 | 88.8 | 69.5 | 25.6 | 7.8 | 72.4 | 347  |
| ALL<br>HOURS | 99.9  | 99.9  | 99.7  | 99.0 | 96.4 | 89.3 | 69.4 | 27.4 | 7.6 | 72.7 | 1334 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
MONTH: MAR

| HOURS<br>LST | RELATIVE HUMIDITY GREATER THAN OR EQUAL TO |       |      |      |      |      |      |      |     | MEAN | TOTAL OBS |
|--------------|--|-------|------|------|------|------|------|------|-----|------|-----------|
|              | 10%  | 20%   | 30%  | 40%  | 50%  | 60%  | 70%  | 80%  | 90% |      |           |
| 00-02        |  |       |      |      |      |      |      |      |     | .0   | 0         |
| 03-05        | 99.8                                       | 99.5  | 99.5 | 98.6 | 95.0 | 82.8 | 66.6 | 16.2 | 5.3 | 70.2 | 419       |
| 06-08        |  |       |      |      |      |      |      |      |     | .0   | 0         |
| 09-11        | 100.0                                      | 100.0 | 99.7 | 99.0 | 94.6 | 85.2 | 66.8 | 18.9 | 5.4 | 70.9 | 392       |
| 12-14        |  |       |      |      |      |      |      |      |     | .0   | 0         |
| 15-17        | 100.0                                      | 100.0 | 99.0 | 98.7 | 96.2 | 86.7 | 71.2 | 23.1 | 3.5 | 72.0 | 399       |
| 18-20        |  |       |      |      |      |      |      |      |     | .0   | 0         |
| 21-23        | 100.0                                      | 100.0 | 99.8 | 99.1 | 96.5 | 84.6 | 68.7 | 20.3 | 4.0 | 71.2 | 428       |
| ALL<br>HOURS | 99.9                                       | 99.9  | 99.5 | 98.8 | 95.6 | 84.8 | 68.3 | 19.6 | 4.5 | 71.1 | 1638      |

MONTH: APR

|              |       |       |      |      |      |      |      |      |      |      |      |
|--------------|-------|-------|------|------|------|------|------|------|------|------|------|
| 00-02        |       |       |      |      |      |      |      |      |      | .0   | 0    |
| 03-05        | 100.0 | 99.5  | 98.6 | 97.7 | 96.5 | 87.7 | 75.1 | 30.7 | 7.2  | 73.5 | 430  |
| 06-08        |       |       |      |      |      |      |      |      |      | .0   | 0    |
| 09-11        | 100.0 | 100.0 | 99.2 | 98.7 | 95.6 | 84.7 | 71.2 | 33.0 | 8.8  | 73.3 | 385  |
| 12-14        |       |       |      |      |      |      |      |      |      | .0   | 0    |
| 15-17        | 100.0 | 100.0 | 98.8 | 97.8 | 95.8 | 88.6 | 77.3 | 46.9 | 12.8 | 75.9 | 405  |
| 18-20        |       |       |      |      |      |      |      |      |      | .0   | 0    |
| 21-23        | 100.0 | 99.8  | 99.3 | 98.1 | 95.4 | 90.4 | 75.5 | 43.2 | 8.4  | 74.9 | 417  |
| ALL<br>HOURS | 100.0 | 99.8  | 99.0 | 98.0 | 95.8 | 87.9 | 74.8 | 38.4 | 9.3  | 74.4 | 1637 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
MONTH: MAY

| HOURS<br>LST | RELATIVE HUMIDITY GREATER THAN OR EQUAL TO |       |      |      |      |      |      |      |      | MEAN | TOTAL OBS |
|--------------|--|-------|------|------|------|------|------|------|------|------|-----------|
|              | 10%  | 20%   | 30%  | 40%  | 50%  | 60%  | 70%  | 80%  | 90%  |      |           |
| 00-02        |  |       |      |      |      |      |      |      |      | .0   | 0         |
| 03-05        | 100.0                                      | 100.0 | 99.5 | 99.1 | 97.7 | 94.2 | 87.8 | 59.0 | 23.3 | 80.7 | 434       |
| 06-08        |  |       |      |      |      |      |      |      |      | .0   | 0         |
| 09-11        | 100.0                                      | 99.8  | 99.3 | 99.0 | 98.5 | 93.6 | 87.8 | 59.4 | 25.7 | 80.8 | 409       |
| 12-14        |  |       |      |      |      |      |      |      |      | .0   | 0         |
| 15-17        | 100.0                                      | 99.5  | 99.0 | 97.6 | 96.0 | 91.2 | 84.1 | 62.0 | 30.6 | 80.3 | 421       |
| 18-20        |  |       |      |      |      |      |      |      |      | .0   | 0         |
| 21-23        | 100.0                                      | 99.8  | 99.3 | 98.8 | 98.1 | 93.1 | 86.1 | 61.6 | 24.8 | 80.7 | 432       |
| ALL<br>HOURS | 100.0                                      | 99.8  | 99.3 | 98.6 | 97.6 | 93.0 | 86.4 | 60.5 | 26.1 | 80.6 | 1696      |

MONTH: JUN

|              |       |       |       |      |      |      |      |      |      |      |      |
|--------------|-------|-------|-------|------|------|------|------|------|------|------|------|
| 00-02        |       |       |       |      |      |      |      |      |      | .0   | 0    |
| 03-05        | 100.0 | 100.0 | 100.0 | 99.5 | 99.5 | 99.5 | 98.9 | 86.4 | 52.8 | 88.9 | 441  |
| 06-08        |       |       |       |      |      |      |      |      |      | .0   | 0    |
| 09-11        | 100.0 | 100.0 | 99.8  | 99.5 | 99.3 | 99.3 | 97.6 | 82.2 | 44.5 | 87.2 | 409  |
| 12-14        |       |       |       |      |      |      |      |      |      | .0   | 0    |
| 15-17        | 100.0 | 100.0 | 99.8  | 99.8 | 97.5 | 95.3 | 88.6 | 67.4 | 31.1 | 82.6 | 405  |
| 18-20        |       |       |       |      |      |      |      |      |      | .0   | 0    |
| 21-23        | 100.0 | 100.0 | 99.8  | 99.3 | 98.6 | 97.0 | 91.7 | 70.7 | 32.6 | 83.7 | 433  |
| ALL<br>HOURS | 100.0 | 100.0 | 99.8  | 99.5 | 98.8 | 97.8 | 94.3 | 76.8 | 40.4 | 85.6 | 1688 |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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        |  |       |       |      |      |      |      |      |      | .0   | 0         |
| 03-05        | 100.0                                      | 99.8  | 99.8  | 99.3 | 99.3 | 98.4 | 97.4 | 90.0 | 53.4 | 89.2 | 429       |
| 06-08        |  |       |       |      |      |      |      |      |      | .0   | 0         |
| 09-11        | 100.0                                      | 100.0 | 99.8  | 99.8 | 99.8 | 99.3 | 97.8 | 83.4 | 45.8 | 87.8 | 404       |
| 12-14        |  |       |       |      |      |      |      |      |      | .0   | 0         |
| 15-17        | 100.0                                      | 100.0 | 100.0 | 99.5 | 97.2 | 91.7 | 84.4 | 62.8 | 28.1 | 81.5 | 398       |
| 18-20        |  |       |       |      |      |      |      |      |      | .0   | 0         |
| 21-23        | 100.0                                      | 100.0 | 100.0 | 99.8 | 98.6 | 93.9 | 84.4 | 66.0 | 29.8 | 82.7 | 429       |
| ALL<br>HOURS | 100.0                                      | 99.9  | 99.9  | 99.6 | 98.7 | 95.8 | 91.0 | 75.7 | 39.4 | 85.3 | 1660      |

MONTH: AUG

|              |       |       |       |       |      |      |      |      |      |      |      |
|--------------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| 00-02        |       |       |       |       |      |      |      |      |      | .0   | 0    |
| 03-05        | 100.0 | 100.0 | 100.0 | 99.6  | 99.6 | 99.3 | 98.4 | 94.8 | 57.1 | 90.3 | 445  |
| 06-08        |       |       |       |       |      |      |      |      |      | .0   | 0    |
| 09-11        | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 99.7 | 99.2 | 95.7 | 64.4 | 91.3 | 393  |
| 12-14        |       |       |       |       |      |      |      |      |      | .0   | 0    |
| 15-17        | 100.0 | 100.0 | 99.8  | 99.5  | 98.8 | 95.9 | 88.7 | 71.9 | 35.8 | 83.9 | 416  |
| 18-20        |       |       |       |       |      |      |      |      |      | .0   | 0    |
| 21-23        | 100.0 | 100.0 | 100.0 | 100.0 | 99.8 | 98.8 | 94.0 | 79.6 | 37.8 | 85.9 | 431  |
| ALL<br>HOURS | 100.0 | 100.0 | 99.9  | 99.8  | 99.5 | 98.5 | 95.1 | 85.5 | 48.6 | 87.8 | 1685 |



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
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        |  |       |       |      |      |      |      |      |      | .0   | 0         |
| 03-05        | 100.0                                      | 100.0 | 100.0 | 99.8 | 99.5 | 99.3 | 97.6 | 86.3 | 54.0 | 88.8 | 417       |
| 06-08        |  |       |       |      |      |      |      |      |      | .0   | 0         |
| 09-11        | 100.0                                      | 100.0 | 100.0 | 99.8 | 99.8 | 99.3 | 97.4 | 86.1 | 57.5 | 89.2 | 416       |
| 12-14        |  |       |       |      |      |      |      |      |      | .0   | 0         |
| 15-17        | 100.0                                      | 100.0 | 99.8  | 99.5 | 99.0 | 97.3 | 91.2 | 75.9 | 41.2 | 85.5 | 410       |
| 18-20        |  |       |       |      |      |      |      |      |      | .0   | 0         |
| 21-23        | 100.0                                      | 100.0 | 99.8  | 99.8 | 99.8 | 99.3 | 96.7 | 88.3 | 48.5 | 88.4 | 427       |
| ALL<br>HOURS | 100.0                                      | 100.0 | 99.9  | 99.7 | 99.5 | 98.8 | 95.7 | 84.2 | 50.3 | 88.0 | 1670      |

MONTH: OCT

|              |       |       |       |      |      |      |      |      |      |      |      |
|--------------|-------|-------|-------|------|------|------|------|------|------|------|------|
| 00-02        |       |       |       |      |      |      |      |      |      | .0   | 0    |
| 03-05        | 99.8  | 99.8  | 99.8  | 99.5 | 98.8 | 97.5 | 87.6 | 61.6 | 27.7 | 81.7 | 404  |
| 06-08        |       |       |       |      |      |      |      |      |      | .0   | 0    |
| 09-11        | 100.0 | 100.0 | 100.0 | 99.5 | 99.0 | 96.9 | 91.1 | 65.1 | 27.6 | 82.5 | 392  |
| 12-14        |       |       |       |      |      |      |      |      |      | .0   | 0    |
| 15-17        | 100.0 | 99.7  | 99.7  | 98.7 | 98.7 | 96.9 | 90.8 | 66.4 | 31.6 | 82.6 | 393  |
| 18-20        |       |       |       |      |      |      |      |      |      | .0   | 0    |
| 21-23        | 100.0 | 100.0 | 100.0 | 99.5 | 99.5 | 98.0 | 90.2 | 64.1 | 29.2 | 82.4 | 407  |
| ALL<br>HOURS | 99.9  | 99.9  | 99.9  | 99.3 | 99.0 | 97.4 | 89.9 | 64.3 | 29.0 | 82.3 | 1596 |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 MONTH: NOV

| HOURS<br>LST | RELATIVE HUMIDITY GREATER THAN OR EQUAL TO |       |      |      |      |      |      |      |      |      | TOTAL OBS |
|--------------|--|-------|------|------|------|------|------|------|------|------|-----------|
|              | 10%  | 20%   | 30%  | 40%  | 50%  | 60%  | 70%  | 80%  | 90%  | MEAN |           |
| 00-02        |  |       |      |      |      |      |      |      |      | .0   | 0         |
| 03-05        | 100.0                                      | 100.0 | 99.3 | 97.5 | 95.3 | 91.8 | 79.0 | 40.6 | 9.7  | 75.4 | 404       |
| 06-08        |  |       |      |      |      |      |      |      |      | .0   | 0         |
| 09-11        | 100.0                                      | 99.2  | 98.9 | 97.1 | 95.7 | 92.0 | 74.3 | 36.6 | 11.5 | 74.8 | 374       |
| 12-14        |  |       |      |      |      |      |      |      |      | .0   | 0         |
| 15-17        | 100.0                                      | 99.5  | 99.0 | 97.9 | 96.3 | 91.1 | 74.0 | 40.4 | 13.1 | 75.5 | 381       |
| 18-20        |  |       |      |      |      |      |      |      |      | .0   | 0         |
| 21-23        | 100.0                                      | 99.7  | 99.0 | 98.0 | 95.2 | 92.0 | 77.7 | 34.3 | 11.5 | 75.1 | 399       |
| ALL<br>HOURS | 100.0                                      | 99.6  | 99.0 | 97.6 | 95.6 | 91.7 | 76.3 | 38.0 | 11.4 | 75.2 | 1558      |

MONTH: DEC

|              |       |      |      |      |      |      |      |      |     |      |      |
|--------------|-------|------|------|------|------|------|------|------|-----|------|------|
| 00-02        |       |      |      |      |      |      |      |      |     | .0   | 0    |
| 03-05        | 99.7  | 99.5 | 99.2 | 97.5 | 94.7 | 86.9 | 69.8 | 26.6 | 6.5 | 72.4 | 398  |
| 06-08        |       |      |      |      |      |      |      |      |     | .0   | 0    |
| 09-11        | 100.0 | 99.7 | 99.2 | 97.0 | 94.6 | 82.8 | 68.3 | 29.3 | 8.3 | 72.1 | 372  |
| 12-14        |       |      |      |      |      |      |      |      |     | .0   | 0    |
| 15-17        | 100.0 | 99.7 | 98.4 | 97.9 | 94.2 | 87.3 | 74.0 | 31.8 | 9.8 | 73.4 | 377  |
| 18-20        |       |      |      |      |      |      |      |      |     | .0   | 0    |
| 21-23        | 100.0 | 99.7 | 99.5 | 98.0 | 96.2 | 89.6 | 72.3 | 28.5 | 7.6 | 73.4 | 393  |
| ALL<br>HOURS | 99.9  | 99.7 | 99.1 | 97.6 | 94.9 | 86.7 | 71.1 | 29.0 | 8.1 | 72.8 | 1540 |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 MONTH: ALL

| HOURS<br>LST | RELATIVE HUMIDITY GREATER THAN OR EQUAL TO |      |      |      |      |      |      |      |      | MEAN | TOTAL OBS |
|--------------|--|------|------|------|------|------|------|------|------|------|-----------|
|              | 10%  | 20%  | 30%  | 40%  | 50%  | 60%  | 70%  | 80%  | 90%  |      |           |
| 00-02        |  |      |      |      |      |      |      |      |      | .0   | 0         |
| 03-05        | 99.9                                       | 99.8 | 99.6 | 98.9 | 97.5 | 93.3 | 83.9 | 55.5 | 27.4 | 80.2 | 4963      |
| 06-08        |  |      |      |      |      |      |      |      |      | .0   | 0         |
| 09-11        | 100.0                                      | 99.8 | 99.6 | 98.9 | 97.6 | 93.0 | 83.7 | 55.6 | 27.5 | 80.1 | 4656      |
| 12-14        |  |      |      |      |      |      |      |      |      | .0   | 0         |
| 15-17        | 100.0                                      | 99.9 | 99.4 | 98.8 | 97.0 | 91.8 | 81.3 | 52.2 | 22.1 | 78.6 | 4711      |
| 18-20        |  |      |      |      |      |      |      |      |      | .0   | 0         |
| 21-23        | 100.0                                      | 99.9 | 99.7 | 99.0 | 97.6 | 93.0 | 82.1 | 52.4 | 21.6 | 79.0 | 4944      |
| ALL<br>HOURS | 100.0                                      | 99.9 | 99.6 | 98.9 | 97.4 | 92.8 | 82.7 | 53.9 | 24.7 | 79.5 | 19274     |



|          |          |          |            |            |
|----------|----------|----------|------------|------------|
| PPPPPPPP | AAAAAA   | RRRRRRRR | TTTTTTTTTT | FFFFFFFFFF |
| PPPPPPPP | AAAAAAAA | RRRRRRRR | TTTTTTTTTT | FFFFFFFFFF |
| PP PP    | AA AA    | RR RR    | TT         | FF         |
| PP PP    | AA AA    | RR RR    | TT         | FF         |
| PPPPPPPP | AA AA    | RRRRRRRR | TT         | FFFFFF     |
| PPPPPPPP | AAAAAAAA | RRRRRRRR | TT         | FFFFFF     |
| PP       | AAAAAAAA | 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         |

F - 1 - 1

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: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88

| HOURS<br>(LST) | STATS   | JAN    | FEB    | MAR    | APR    | MAY    | JUN    | JUL    | AUG    | SEP    | OCT    | NOV    | DEC    | ANN    |
|----------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0000           | MEAN    | .0     | .0     | .0     | .0     | .0     | .0     | .0     | .0     | .0     | .0     | .0     | .0     | .0     |
|                | SD      | .000   | .000   | .000   | .000   | .000   | .000   | .000   | .000   | .000   | .000   | .000   | .000   | .000   |
|                | TOT OBS | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 0300           | MEAN    | 1015.1 | 1018.3 | 1018.4 | 1017.5 | 1015.5 | 1013.0 | 1012.6 | 1011.8 | 1011.6 | 1012.3 | 1012.6 | 1014.1 | 1014.4 |
|                | SD      | 13.254 | 12.003 | 9.520  | 9.018  | 7.256  | 6.310  | 6.016  | 7.532  | 7.945  | 10.242 | 11.558 | 13.067 | 9.966  |
|                | TOT OBS | 402    | 339    | 419    | 429    | 433    | 438    | 426    | 442    | 414    | 399    | 399    | 398    | 4938   |
| 0600           | MEAN    | .0     | .0     | .0     | .0     | .0     | .0     | .0     | .0     | .0     | .0     | .0     | .0     | .0     |
|                | SD      | .000   | .000   | .000   | .000   | .000   | .000   | .000   | .000   | .000   | .000   | .000   | .000   | .000   |
|                | TOT OBS | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 0900           | MEAN    | 1014.5 | 1018.2 | 1017.6 | 1017.0 | 1015.3 | 1013.0 | 1012.6 | 1011.8 | 1011.3 | 1012.3 | 1012.6 | 1014.5 | 1014.1 |
|                | SD      | 13.142 | 12.082 | 9.247  | 9.268  | 7.381  | 6.294  | 5.895  | 7.203  | 8.154  | 10.335 | 11.361 | 13.059 | 9.909  |
|                | TOT OBS | 386    | 316    | 388    | 385    | 408    | 406    | 402    | 392    | 414    | 391    | 372    | 368    | 4628   |
| 1200           | MEAN    | .0     | .0     | .0     | .0     | .0     | .0     | .0     | .0     | .0     | .0     | .0     | .0     | .0     |
|                | SD      | .000   | .000   | .000   | .000   | .000   | .000   | .000   | .000   | .000   | .000   | .000   | .000   | .000   |
|                | TOT OBS | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 1500           | MEAN    | 1015.0 | 1018.8 | 1018.2 | 1017.1 | 1015.4 | 1013.1 | 1012.7 | 1011.9 | 1011.7 | 1012.4 | 1012.6 | 1014.7 | 1014.4 |
|                | SD      | 12.832 | 11.710 | 9.623  | 9.066  | 7.407  | 6.480  | 6.037  | 7.403  | 8.063  | 10.144 | 11.792 | 12.922 | 9.921  |
|                | TOT OBS | 377    | 327    | 398    | 405    | 420    | 402    | 397    | 413    | 410    | 393    | 377    | 377    | 4696   |
| 1800           | MEAN    | .0     | .0     | .0     | .0     | .0     | .0     | .0     | .0     | .0     | .0     | .0     | .0     | .0     |
|                | SD      | .000   | .000   | .000   | .000   | .000   | .000   | .000   | .000   | .000   | .000   | .000   | .000   | .000   |
|                | TOT OBS | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 2100           | MEAN    | 1014.7 | 1018.0 | 1018.2 | 1017.0 | 1015.1 | 1012.6 | 1012.4 | 1011.6 | 1011.3 | 1012.5 | 1012.6 | 1014.4 | 1014.1 |
|                | SD      | 12.975 | 11.530 | 9.458  | 8.976  | 7.146  | 6.439  | 5.799  | 7.457  | 8.077  | 9.992  | 11.823 | 12.684 | 9.829  |
|                | TOT OBS | 397    | 346    | 426    | 416    | 430    | 431    | 429    | 430    | 427    | 405    | 397    | 389    | 4923   |
| ALL<br>HOURS   | MEAN    | 1014.8 | 1018.3 | 1018.1 | 1017.2 | 1015.3 | 1012.9 | 1012.6 | 1011.8 | 1011.5 | 1012.4 | 1012.6 | 1014.4 | 1014.3 |
|                | SD      | 13.057 | 11.832 | 9.470  | 9.081  | 7.298  | 6.384  | 5.937  | 7.406  | 8.062  | 10.178 | 11.637 | 12.935 | 9.907  |
|                | TOT OBS | 1562   | 1328   | 1631   | 1635   | 1691   | 1677   | 1654   | 1677   | 1655   | 1588   | 1545   | 1532   | 19185  |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

ALTIMETER SETTING IN INCHES  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88

| HOURS (LST) | STATS   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANN   |
|-------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0000        | MEAN    | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   |
|             | SD      | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  |
|             | TOT OBS | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 0300        | MEAN    | 29.95 | 30.05 | 30.05 | 30.02 | 29.96 | 29.89 | 29.88 | 29.86 | 29.85 | 29.87 | 29.88 | 29.93 | 29.93 |
|             | SD      | .422  | .360  | .282  | .268  | .276  | .188  | .177  | .222  | .235  | .301  | .342  | .382  | .302  |
|             | TOT OBS | 399   | 337   | 418   | 427   | 433   | 437   | 425   | 442   | 412   | 397   | 398   | 395   | 4920  |
| 0600        | MEAN    | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   |
|             | SD      | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  |
|             | TOT OBS | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 0900        | MEAN    | 29.93 | 30.05 | 30.03 | 30.02 | 29.96 | 29.89 | 29.88 | 29.86 | 29.84 | 29.87 | 29.88 | 29.94 | 29.93 |
|             | SD      | .421  | .355  | .273  | .270  | .219  | .185  | .175  | .213  | .240  | .306  | .335  | .386  | .296  |
|             | TOT OBS | 383   | 314   | 387   | 380   | 404   | 404   | 401   | 388   | 411   | 388   | 372   | 370   | 4602  |
| 1200        | MEAN    | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   |
|             | SD      | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  |
|             | TOT OBS | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1500        | MEAN    | 29.95 | 30.07 | 30.05 | 30.02 | 29.96 | 29.89 | 29.88 | 29.86 | 29.86 | 29.87 | 29.88 | 29.95 | 29.93 |
|             | SD      | .379  | .343  | .284  | .267  | .221  | .194  | .178  | .217  | .237  | .298  | .353  | .382  | .293  |
|             | TOT OBS | 376   | 323   | 397   | 403   | 417   | 402   | 397   | 412   | 407   | 385   | 375   | 377   | 4671  |
| 1800        | MEAN    | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   |
|             | SD      | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  |
|             | TOT OBS | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 2100        | MEAN    | 29.95 | 30.04 | 30.05 | 30.01 | 29.95 | 29.88 | 29.87 | 29.85 | 29.84 | 29.88 | 29.88 | 29.93 | 29.93 |
|             | SD      | .385  | .340  | .280  | .266  | .215  | .192  | .175  | .220  | .239  | .295  | .349  | .380  | .292  |
|             | TOT OBS | 393   | 343   | 425   | 412   | 427   | 432   | 429   | 428   | 424   | 404   | 397   | 390   | 4904  |
| ALL HOURS   | MEAN    | 29.94 | 30.05 | 30.04 | 30.02 | 29.96 | 29.89 | 29.88 | 29.86 | 29.85 | 29.87 | 29.88 | 29.93 | 29.93 |
|             | SD      | .403  | .350  | .280  | .268  | .234  | .190  | .176  | .218  | .238  | .300  | .345  | .383  | .296  |
|             | TOT OBS | 1551  | 1317  | 1627  | 1622  | 1681  | 1675  | 1652  | 1670  | 1654  | 1574  | 1542  | 1532  | 19097 |



OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

STATION PRESSURE IN INCHES  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88

| HOURS<br>(LST) | STATS   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANN   |
|----------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0000           | MEAN    | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   |
|                | SD      | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  |
|                | TOT OBS | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 0300           | MEAN    | 29.94 | 30.04 | 30.04 | 30.02 | 29.95 | 29.88 | 29.87 | 29.85 | 29.84 | 29.86 | 29.87 | 29.92 | 29.92 |
|                | SD      | .423  | .359  | .281  | .267  | .274  | .187  | .177  | .221  | .234  | .300  | .342  | .382  | .302  |
|                | TOT OBS | 399   | 337   | 418   | 427   | 433   | 437   | 425   | 442   | 412   | 397   | 398   | 395   | 4920  |
| 0600           | MEAN    | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   |
|                | SD      | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  |
|                | TOT OBS | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 0900           | MEAN    | 29.92 | 30.04 | 30.02 | 30.01 | 29.95 | 29.88 | 29.87 | 29.85 | 29.84 | 29.86 | 29.87 | 29.93 | 29.92 |
|                | SD      | .421  | .354  | .273  | .269  | .217  | .184  | .174  | .213  | .240  | .305  | .335  | .386  | .296  |
|                | TOT OBS | 383   | 314   | 387   | 380   | 404   | 404   | 401   | 388   | 411   | 388   | 372   | 370   | 4602  |
| 1200           | MEAN    | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   |
|                | SD      | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  |
|                | TOT OBS | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1500           | MEAN    | 29.94 | 30.06 | 30.04 | 30.01 | 29.96 | 29.89 | 29.87 | 29.85 | 29.85 | 29.87 | 29.88 | 29.94 | 29.93 |
|                | SD      | .379  | .342  | .285  | .267  | .219  | .192  | .177  | .216  | .238  | .297  | .353  | .382  | .293  |
|                | TOT OBS | 376   | 323   | 397   | 403   | 417   | 402   | 397   | 412   | 407   | 385   | 375   | 377   | 4671  |
| 1800           | MEAN    | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   | .00   |
|                | SD      | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  | .000  |
|                | TOT OBS | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 2100           | MEAN    | 29.94 | 30.03 | 30.04 | 30.00 | 29.95 | 29.87 | 29.87 | 29.84 | 29.84 | 29.87 | 29.88 | 29.92 | 29.92 |
|                | SD      | .385  | .340  | .279  | .265  | .213  | .189  | .173  | .220  | .239  | .294  | .349  | .379  | .291  |
|                | TOT OBS | 393   | 343   | 425   | 412   | 427   | 432   | 429   | 428   | 424   | 404   | 397   | 390   | 4904  |
| ALL<br>HOURS   | MEAN    | 29.94 | 30.04 | 30.04 | 30.01 | 29.95 | 29.88 | 29.87 | 29.85 | 29.84 | 29.87 | 29.87 | 29.93 | 29.92 |
|                | SD      | .403  | .349  | .279  | .267  | .233  | .188  | .175  | .218  | .238  | .299  | .345  | .382  | .295  |
|                | TOT OBS | 1551  | 1317  | 1627  | 1622  | 1681  | 1675  | 1652  | 1670  | 1654  | 1574  | 1542  | 1532  | 19097 |



|          |           |          |            |          |
|----------|-----------|----------|------------|----------|
| PPPPPPPP | AAAAAA    | RRRRRRRR | TTTTTTTTTT | GGGGGG   |
| PPPPPPPP | AAAAAAA   | RRRRRRRR | TTTTTTTTTT | GGGGGGGG |
| PP PP    | AA AA     | RR RR    | TT         | GG GG    |
| PP PP    | AA AA     | RR RR    | TT         | GG       |
| PPPPPPPP | AA AA     | RRRRRRRR | TT         | GG       |
| PPPPPPPP | AAAAAAAAA | RRRRRRRR | TT         | GG GGGG  |
| PP       | AAAAAAAAA | RR RR    | TT         | GG GGGGG |
| PP       | AA AA     | RR RR    | TT         | GG GG    |
| PP       | AA AA     | RR RR    | TT         | GGGGGGG  |
| PP       | AA AA     | RR RR    | TT         | GGGGGG   |

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: 040-220

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
|             | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS |
| SPEED (KTS) |             |      |      |     |             |      |      |     |             |      |      |     |             |      |      |     |
| CATEGORY A  |             |      |      | 0   | 10.7        | 3.5  | .7   | 403 |             |      |      | 0   | 10.3        | 3.8  | .8   | 390 |
| CATEGORY B  |             |      |      | 0   | 10.7        | 3.5  | .7   | 403 |             |      |      | 0   | 10.3        | 3.8  | .8   | 390 |

| TIME (LST)  | 1200 - 1400 |      |      |     | 1500 - 1700 |      |      |     | 1800 - 2000 |      |      |     | 2100 - 2300 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
|             | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS |
| SPEED (KTS) |             |      |      |     |             |      |      |     |             |      |      |     |             |      |      |     |
| CATEGORY A  |             |      |      | 0   | 10.9        | 3.7  | .3   | 376 |             |      |      | 0   | 10.7        | 3.2  |      | 401 |
| CATEGORY B  |             |      |      | 0   | 10.9        | 3.7  | .3   | 376 |             |      |      | 0   | 10.7        | 3.2  |      | 401 |

| TIME (LST) | 0600 - 2000 |      |      |     | ALL HOURS |      |      |      |
|------------|-------------|------|------|-----|-----------|------|------|------|
|            | GE10        | GE15 | GE25 | OBS | GE10      | GE15 | GE25 | OBS  |
| SPEED KTS  |             |      |      |     |           |      |      |      |
| CATEGORY A | 10.6        | 3.8  | .5   | 766 | 10.6      | 3.6  | .4   | 1570 |
| CATEGORY B | 10.6        | 3.8  | .5   | 766 | 10.6      | 3.6  | .4   | 1570 |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
 FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
|             | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS |
| SPEED (KTS) |             |      |      |     |             |      |      |     |             |      |      |     |             |      |      |     |
| CATEGORY A  |             |      |      | 0   | 13.1        | 2.4  |      | 337 |             |      |      | 0   | 15.4        | 4.1  | .3   | 319 |
| CATEGORY B  |             |      |      | 0   | 13.1        | 2.4  |      | 337 |             |      |      | 0   | 15.4        | 4.1  | .3   | 319 |

| TIME (LST)  | 1200 - 1400 |      |      |     | 1500 - 1700 |      |      |     | 1800 - 2000 |      |      |     | 2100 - 2300 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
|             | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS |
| SPEED (KTS) |             |      |      |     |             |      |      |     |             |      |      |     |             |      |      |     |
| CATEGORY A  |             |      |      | 0   | 15.9        | 4.9  | .6   | 327 |             |      |      | 0   | 15.1        | 3.8  | .6   | 345 |
| CATEGORY B  |             |      |      | 0   | 15.9        | 4.9  | .6   | 327 |             |      |      | 0   | 15.1        | 3.8  | .6   | 345 |

| TIME (LST) | 0600 - 2000 |      |      |     | ALL HOURS |      |      |      |
|------------|-------------|------|------|-----|-----------|------|------|------|
|            | GE10        | GE15 | GE25 | OBS | GE10      | GE15 | GE25 | OBS  |
| SPEED KTS  |             |      |      |     |           |      |      |      |
| CATEGORY A | 15.6        | 4.5  | .5   | 646 | 14.8      | 3.8  | .4   | 1328 |
| CATEGORY B | 15.6        | 4.5  | .5   | 646 | 14.8      | 3.8  | .4   | 1328 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 101000

STATION NAME: POINT LAY AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
MONTH: MAR

.....  
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 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
|             | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS |
| SPEED (KTS) |             |      |      |     |             |      |      |     |             |      |      |     |             |      |      |     |
| CATEGORY A  |             |      |      | 0   | 8.1         | 1.2  |      | 419 |             |      |      | 0   | 11.5        | 1.5  |      | 391 |
| CATEGORY B  |             |      |      | 0   | 8.1         | 1.2  |      | 419 |             |      |      | 0   | 11.5        | 1.5  |      | 391 |

| TIME (LST)  | 1200 - 1400 |      |      |     | 1500 - 1700 |      |      |     | 1800 - 2000 |      |      |     | 2100 - 2300 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
|             | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS |
| SPEED (KTS) |             |      |      |     |             |      |      |     |             |      |      |     |             |      |      |     |
| CATEGORY A  |             |      |      | 0   | 13.2        | 2.8  |      | 395 |             |      |      | 0   | 11.4        | 1.4  |      | 428 |
| CATEGORY B  |             |      |      | 0   | 13.2        | 2.8  |      | 395 |             |      |      | 0   | 11.4        | 1.4  |      | 428 |

| TIME (LST) | 0600 - 2000 |      |      |     | ALL HOURS |      |      |      |
|------------|-------------|------|------|-----|-----------|------|------|------|
|            | GE10        | GE15 | GE25 | OBS | GE10      | GE15 | GE25 | OBS  |
| SPEED KTS  |             |      |      |     |           |      |      |      |
| CATEGORY A | 12.3        | 2.2  |      | 786 | 11.0      | 1.7  |      | 1633 |
| CATEGORY B | 12.3        | 2.2  |      | 786 | 11.0      | 1.7  |      | 1633 |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
 FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
|             | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS |
| SPEED (KTS) |             |      |      |     |             |      |      |     |             |      |      |     |             |      |      |     |
| CATEGORY A  |             |      |      | 0   | 10.7        | 1.6  | .2   | 429 |             |      |      | 0   | 11.4        | 2.1  | .3   | 385 |
| CATEGORY B  |             |      |      | 0   | 10.7        | 1.6  | .2   | 429 |             |      |      | 0   | 11.4        | 2.1  | .3   | 385 |

| TIME (LST)  | 1200 - 1400 |      |      |     | 1500 - 1700 |      |      |     | 1800 - 2000 |      |      |     | 2100 - 2300 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
|             | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS |
| SPEED (KTS) |             |      |      |     |             |      |      |     |             |      |      |     |             |      |      |     |
| CATEGORY A  |             |      |      | 0   | 15.8        | 4.0  | .2   | 405 |             |      |      | 0   | 13.4        | 4.1  |      | 417 |
| CATEGORY B  |             |      |      | 0   | 15.8        | 4.0  | .2   | 405 |             |      |      | 0   | 13.4        | 4.1  |      | 417 |

| TIME (LST) | 0600 - 2000 |      |      |     | ALL HOURS |      |      |      |
|------------|-------------|------|------|-----|-----------|------|------|------|
|            | GE10        | GE15 | GE25 | OBS | GE10      | GE15 | GE25 | OBS  |
| SPEED KTS  |             |      |      |     |           |      |      |      |
| CATEGORY A | 13.7        | 3.0  | .3   | 790 | 12.8      | 2.9  | .2   | 1636 |
| CATEGORY B | 13.7        | 3.0  | .3   | 790 | 12.8      | 2.9  | .2   | 1636 |



OPERATING LOCATION "A"  
 USAFETAC ASHEVILLE N.C.

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
 FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 701210 STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
|             | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS |
| SPEED (KTS) |             |      |      |     |             |      |      |     |             |      |      |     |             |      |      |     |
| CATEGORY A  |             |      |      | 0   | 9.7         | 1.2  | .2   | 433 |             |      |      | 0   | 11.8        | 1.5  |      | 408 |
| CATEGORY B  |             |      |      | 0   | 9.7         | 1.2  | .2   | 433 |             |      |      | 0   | 11.8        | 1.5  |      | 408 |

| TIME (LST)  | 1200 - 1400 |      |      |     | 1500 - 1700 |      |      |     | 1800 - 2000 |      |      |     | 2100 - 2300 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
|             | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS |
| SPEED (KTS) |             |      |      |     |             |      |      |     |             |      |      |     |             |      |      |     |
| CATEGORY A  |             |      |      | 0   | 14.8        | 2.9  |      | 420 |             |      |      | 0   | 14.2        | 2.1  | .2   | 429 |
| CATEGORY B  |             |      |      | 0   | 14.8        | 2.9  |      | 420 |             |      |      | 0   | 14.2        | 2.1  | .2   | 429 |

| TIME (LST) | 0600 - 2000 |      |      |     | ALL HOURS |      |      |      |
|------------|-------------|------|------|-----|-----------|------|------|------|
|            | GE10        | GE15 | GE25 | OBS | GE10      | GE15 | GE25 | OBS  |
| SPEED KTS  |             |      |      |     |           |      |      |      |
| CATEGORY A | 13.3        | 2.2  |      | 828 | 12.6      | 1.9  | .1   | 1690 |
| CATEGORY B | 13.3        | 2.2  |      | 828 | 12.6      | 1.9  | .1   | 1690 |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
 FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
|             | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS |
| SPEED (KTS) |             |      |      |     |             |      |      |     |             |      |      |     |             |      |      |     |
| CATEGORY A  |             |      |      | 0   | 6.6         | 2.5  |      | 441 |             |      |      | 0   | 7.6         | 2.0  | .2   | 408 |
| CATEGORY B  |             |      |      | 0   | 6.6         | 2.5  |      | 441 |             |      |      | 0   | 7.6         | 2.0  | .2   | 408 |

| TIME (LST)  | 1200 - 1400 |      |      |     | 1500 - 1700 |      |      |     | 1800 - 2000 |      |      |     | 2100 - 2300 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
|             | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS |
| SPEED (KTS) |             |      |      |     |             |      |      |     |             |      |      |     |             |      |      |     |
| CATEGORY A  |             |      |      | 0   | 14.9        | 2.5  | .2   | 403 |             |      |      | 0   | 13.5        | 3.5  | .2   | 431 |
| CATEGORY B  |             |      |      | 0   | 14.9        | 2.5  | .2   | 403 |             |      |      | 0   | 13.5        | 3.5  | .2   | 431 |

| TIME (LST) | 0600 - 2000 |      |      |     | ALL HOURS |      |      |      |
|------------|-------------|------|------|-----|-----------|------|------|------|
|            | GE10        | GE15 | GE25 | OBS | GE10      | GE15 | GE25 | OBS  |
| SPEED KTS  |             |      |      |     |           |      |      |      |
| CATEGORY A | 11.2        | 2.2  | .2   | 811 | 10.6      | 2.6  | .2   | 1683 |
| CATEGORY B | 11.2        | 2.2  | .2   | 811 | 10.6      | 2.6  | .2   | 1683 |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
 FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
|             | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS |
| SPEED (KTS) |             |      |      |     |             |      |      |     |             |      |      |     |             |      |      |     |
| CATEGORY A  |             |      |      | 0   | 7.0         | 2.6  |      | 426 |             |      |      | 0   | 9.9         | 1.5  |      | 403 |
| CATEGORY B  |             |      |      | 0   | 7.0         | 2.6  |      | 426 |             |      |      | 0   | 9.9         | 1.5  |      | 403 |

| TIME (LST)  | 1200 - 1400 |      |      |     | 1500 - 1700 |      |      |     | 1800 - 2000 |      |      |     | 2100 - 2300 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
|             | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS |
| SPEED (KTS) |             |      |      |     |             |      |      |     |             |      |      |     |             |      |      |     |
| CATEGORY A  |             |      |      | 0   | 15.7        | 3.3  | .3   | 396 |             |      |      | 0   | 11.5        | 2.3  |      | 426 |
| CATEGORY B  |             |      |      | 0   | 15.7        | 3.3  | .3   | 396 |             |      |      | 0   | 11.5        | 2.3  |      | 426 |

| TIME (LST) | 0600 - 2000 |      |      |     | ALL HOURS |      |      |      |
|------------|-------------|------|------|-----|-----------|------|------|------|
|            | GE10        | GE15 | GE25 | OBS | GE10      | GE15 | GE25 | OBS  |
| SPEED KTS  |             |      |      |     |           |      |      |      |
| CATEGORY A | 12.8        | 2.4  | .1   | 799 | 11.0      | 2.4  | .1   | 1651 |
| CATEGORY B | 12.8        | 2.4  | .1   | 799 | 11.0      | 2.4  | .1   | 1651 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
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 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
|             | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS |
| SPEED (KTS) |             |      |      |     |             |      |      |     |             |      |      |     |             |      |      |     |
| CATEGORY A  |             |      |      | 0   | 9.5         | 3.2  | .2   | 443 |             |      |      | 0   | 10.0        | 2.3  |      | 391 |
| CATEGORY B  |             |      |      | 0   | 9.5         | 3.2  | .2   | 443 |             |      |      | 0   | 10.0        | 2.3  |      | 391 |

| TIME (LST)  | 1200 - 1400 |      |      |     | 1500 - 1700 |      |      |     | 1800 - 2000 |      |      |     | 2100 - 2300 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
|             | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS |
| SPEED (KTS) |             |      |      |     |             |      |      |     |             |      |      |     |             |      |      |     |
| CATEGORY A  |             |      |      | 0   | 12.8        | 3.1  | .5   | 413 |             |      |      | 0   | 11.0        | 2.8  | .7   | 427 |
| CATEGORY B  |             |      |      | 0   | 12.8        | 3.1  | .5   | 413 |             |      |      | 0   | 11.0        | 2.8  | .7   | 427 |

| TIME (LST) | 0600 - 2000 |      |      |     | ALL HOURS |      |      |      |
|------------|-------------|------|------|-----|-----------|------|------|------|
|            | GE10        | GE15 | GE25 | OBS | GE10      | GE15 | GE25 | OBS  |
| SPEED KTS  |             |      |      |     |           |      |      |      |
| CATEGORY A | 11.4        | 2.7  | .2   | 804 | 10.8      | 2.9  | .4   | 1674 |
| CATEGORY B | 11.4        | 2.7  | .2   | 804 | 10.8      | 2.9  | .4   | 1674 |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
 FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
|             | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS |
| SPEED (KTS) |             |      |      |     |             |      |      |     |             |      |      |     |             |      |      |     |
| CATEGORY A  |             |      |      | 0   | 12.8        | 2.4  |      | 415 |             |      |      | 0   | 12.4        | 4.6  | .2   | 411 |
| CATEGORY B  |             |      |      | 0   | 12.8        | 2.4  |      | 415 |             |      |      | 0   | 12.4        | 4.6  | .2   | 411 |

| TIME (LST)  | 1200 - 1400 |      |      |     | 1500 - 1700 |      |      |     | 1800 - 2000 |      |      |     | 2100 - 2300 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
|             | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS |
| SPEED (KTS) |             |      |      |     |             |      |      |     |             |      |      |     |             |      |      |     |
| CATEGORY A  |             |      |      | 0   | 10.6        | 3.9  | .5   | 406 |             |      |      | 0   | 11.3        | 1.9  | .2   | 426 |
| CATEGORY B  |             |      |      | 0   | 10.6        | 3.9  | .5   | 406 |             |      |      | 0   | 11.3        | 1.9  | .2   | 426 |

| TIME (LST) | 0600 - 2000 |      |      |     | ALL HOURS |      |      |      |
|------------|-------------|------|------|-----|-----------|------|------|------|
|            | GE10        | GE15 | GE25 | OBS | GE10      | GE15 | GE25 | OBS  |
| SPEED KTS  |             |      |      |     |           |      |      |      |
| CATEGORY A | 11.5        | 4.3  | .4   | 817 | 11.8      | 3.2  | .2   | 1658 |
| CATEGORY B | 11.5        | 4.3  | .4   | 817 | 11.8      | 3.2  | .2   | 1658 |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
 FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
|             | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS |
| SPEED (KTS) |             |      |      |     |             |      |      |     |             |      |      |     |             |      |      |     |
| CATEGORY A  |             |      |      | 0   | 10.9        | 3.7  | .8   | 375 |             |      |      | 0   | 11.6        | 3.0  | .3   | 372 |
| CATEGORY B  |             |      |      | 0   | 10.9        | 3.7  | .8   | 375 |             |      |      | 0   | 11.6        | 3.0  | .3   | 372 |

| TIME (LST)  | 1200 - 1400 |      |      |     | 1500 - 1700 |      |      |     | 1800 - 2000 |      |      |     | 2100 - 2300 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
|             | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS |
| SPEED (KTS) |             |      |      |     |             |      |      |     |             |      |      |     |             |      |      |     |
| CATEGORY A  |             |      |      | 0   | 10.5        | 3.5  | .8   | 371 |             |      |      | 0   | 11.3        | 2.6  |      | 382 |
| CATEGORY B  |             |      |      | 0   | 10.5        | 3.5  | .8   | 371 |             |      |      | 0   | 11.3        | 2.6  |      | 382 |

| TIME (LST) | 0600 - 2000 |      |      |     | ALL HOURS |      |      |      |
|------------|-------------|------|------|-----|-----------|------|------|------|
|            | GE10        | GE15 | GE25 | OBS | GE10      | GE15 | GE25 | OBS  |
| SPEED KTS  |             |      |      |     |           |      |      |      |
| CATEGORY A | 11.0        | 3.2  | .5   | 743 | 11.1      | 3.2  | .5   | 1500 |
| CATEGORY B | 11.0        | 3.2  | .5   | 743 | 11.1      | 3.2  | .5   | 1500 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
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 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
|             | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS |
| SPEED (KTS) |             |      |      |     |             |      |      |     |             |      |      |     |             |      |      |     |
| CATEGORY A  |             |      |      | 0   | 13.6        | 4.0  | .7   | 404 |             |      |      | 0   | 11.2        | 4.5  | .3   | 374 |
| CATEGORY B  |             |      |      | 0   | 13.6        | 4.0  | .7   | 404 |             |      |      | 0   | 11.2        | 4.5  | .3   | 374 |

| TIME (LST)  | 1200 - 1400 |      |      |     | 1500 - 1700 |      |      |     | 1800 - 2000 |      |      |     | 2100 - 2300 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
|             | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS |
| SPEED (KTS) |             |      |      |     |             |      |      |     |             |      |      |     |             |      |      |     |
| CATEGORY A  |             |      |      | 0   | 11.1        | 3.4  | .8   | 378 |             |      |      | 0   | 11.4        | 2.8  | .8   | 396 |
| CATEGORY B  |             |      |      | 0   | 11.1        | 3.4  | .8   | 378 |             |      |      | 0   | 11.4        | 2.8  | .8   | 396 |

| TIME (LST) | 0600 - 2000 |      |      |     | ALL HOURS |      |      |      |
|------------|-------------|------|------|-----|-----------|------|------|------|
|            | GE10        | GE15 | GE25 | OBS | GE10      | GE15 | GE25 | OBS  |
| SPEED KTS  |             |      |      |     |           |      |      |      |
| CATEGORY A | 11.2        | 4.0  | .5   | 752 | 11.9      | 3.7  | .6   | 1552 |
| CATEGORY B | 11.2        | 4.0  | .5   | 752 | 11.9      | 3.7  | .6   | 1552 |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
 FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
|             | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS |
| SPEED (KTS) |             |      |      |     |             |      |      |     |             |      |      |     |             |      |      |     |
| CATEGORY A  |             |      |      | 0   | 13.2        | 3.8  | .8   | 395 |             |      |      | 0   | 11.6        | 3.2  |      | 370 |
| CATEGORY B  |             |      |      | 0   | 13.2        | 3.8  | .8   | 395 |             |      |      | 0   | 11.6        | 3.2  |      | 370 |

| TIME (LST)  | 1200 - 1400 |      |      |     | 1500 - 1700 |      |      |     | 1800 - 2000 |      |      |     | 2100 - 2300 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
|             | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS |
| SPEED (KTS) |             |      |      |     |             |      |      |     |             |      |      |     |             |      |      |     |
| CATEGORY A  |             |      |      | 0   | 12.8        | 3.2  |      | 376 |             |      |      | 0   | 13.0        | 2.5  | .8   | 393 |
| CATEGORY B  |             |      |      | 0   | 12.8        | 3.2  |      | 376 |             |      |      | 0   | 13.0        | 2.5  | .8   | 393 |

| TIME (LST) | 0600 - 2000 |      |      |     | ALL HOURS |      |      |      |
|------------|-------------|------|------|-----|-----------|------|------|------|
|            | GE10        | GE15 | GE25 | OBS | GE10      | GE15 | GE25 | OBS  |
| SPEED KTS  |             |      |      |     |           |      |      |      |
| CATEGORY A | 12.2        | 3.2  |      | 746 | 12.6      | 3.2  | .4   | 1534 |
| CATEGORY B | 12.2        | 3.2  |      | 746 | 12.6      | 3.2  | .4   | 1534 |



OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
 FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 701210

STATION NAME: POINT LAY AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88  
 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 |      |      |      |
|-------------|-------------|------|------|-----|-------------|------|------|------|-------------|------|------|-----|-------------|------|------|------|
|             | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS  | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS  |
| SPEED (KTS) |             |      |      |     |             |      |      |      |             |      |      |     |             |      |      |      |
| CATEGORY A  |             |      |      | 0   | 10.4        | 2.6  | .3   | 4920 |             |      |      | 0   | 11.1        | 2.8  | .2   | 4622 |
| CATEGORY B  |             |      |      | 0   | 10.4        | 2.6  | .3   | 4920 |             |      |      | 0   | 11.1        | 2.8  | .2   | 4622 |

| TIME (LST)  | 1200 - 1400 |      |      |     | 1500 - 1700 |      |      |      | 1800 - 2000 |      |      |     | 2100 - 2300 |      |      |      |
|-------------|-------------|------|------|-----|-------------|------|------|------|-------------|------|------|-----|-------------|------|------|------|
|             | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS  | GE10        | GE15 | GE25 | OBS | GE10        | GE15 | GE25 | OBS  |
| SPEED (KTS) |             |      |      |     |             |      |      |      |             |      |      |     |             |      |      |      |
| CATEGORY A  |             |      |      | 0   | 13.2        | 3.4  | .3   | 4666 |             |      |      | 0   | 12.3        | 2.7  | .3   | 4901 |
| CATEGORY B  |             |      |      | 0   | 13.2        | 3.4  | .3   | 4666 |             |      |      | 0   | 12.3        | 2.7  | .3   | 4901 |

| TIME (LST) | 0600 - 2000 |      |      |      | ALL HOURS |      |      |       |
|------------|-------------|------|------|------|-----------|------|------|-------|
|            | GE10        | GE15 | GE25 | OBS  | GE10      | GE15 | GE25 | OBS   |
| SPEED KTS  |             |      |      |      |           |      |      |       |
| CATEGORY A | 12.2        | 3.1  | .3   | 9288 | 11.8      | 2.9  | .3   | 19109 |
| CATEGORY B | 12.2        | 3.1  | .3   | 9288 | 11.8      | 2.9  | .3   | 19109 |

A W S STATION NAME: POINT LAY AK FIELD ELEV: 20 FT  
 CLIMATIC BRIEF LATITUDE/LONGITUDE: 69 44 N 163 01 W STATION MSC: 701210  
 HOURLY OBS POR: JAN 73 - SEP 88 CALL SIGN: PPIZ  
 SUMMARY OF DAY POR: NO DATA AVAILABLE  
 HOURS SUMMARIZED: SYNOPTIC HOURS 00,06,12,18 ZULU (03,09,15,21 LST) ONLY SUPERSEDES: N/A  
 APR 91 LST TO UTC: +09

| MONTH                  | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANN   | YOR |
|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| EXTRM MAX TEMP (F)     | 39    | 48    | 47    | 57    | 60    | 75    | 82    | 82    | 78    | 63    | 47    | 43    | 82    | 15  |
| MEAN MAX TEMP (F)      | -2    | -6    | -3    | 12    | 27    | 44    | 52    | 49    | 43    | 22    | 8     | -1    | 20    | 15  |
| MEAN TEMP (F)          | -8    | -14   | -10   | 2     | 24    | 40    | 48    | 46    | 35    | 16    | 2     | -8    | 14    | 15  |
| MEAN MIN TEMP (F)      | -13   | -19   | -16   | -4    | 19    | 35    | 43    | 42    | 31    | 11    | -2    | -12   | 10    | 15  |
| EXTRM MIN TEMP (F)     | -54   | -56   | -46   | -18   | -8    | 23    | 28    | 24    | 12    | -16   | -40   | -55   | -56   | 15  |
| D/W TEMP GE 55 (F)     | 0     | 0     | 0     | #     | 1     | 4     | 12    | 8     | 1     | 0     | 0     | 0     | 26    | 15  |
| D/W TEMP GE 45 (F)     | 0     | #     | #     | 3     | 5     | 14    | 25    | 22    | 16    | 6     | #     | 0     | 91    | 15  |
| D/W TEMP LT 33 (F)     | 31    | 28    | 31    | 26    | 8     | 2     | 1     | 2     | 8     | 25    | 30    | 31    | 223   | 15  |
| D/W TEMP LT 0 (F)      | 25    | 24    | 24    | 21    | 1     | 0     | 0     | 0     | #     | 6     | 19    | 26    | 146   | 15  |
| HEATING DEGREE DAYS    | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | 15  |
| COOLING DEGREE DAYS    | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | 15  |
| MEAN DEWPOINT TEMP (F) | -12   | -18   | -19   | -7    | 18    | 35    | 43    | 41    | 31    | 11    | -5    | -15   | 9     | 15  |
| MEAN WET BULB TEMP (F) | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | 15  |
| 99.95% WCPA (FT)       | 1200  | 950   | 800   | 750   | 650   | 600   | 600   | 750   | 800   | 1000  | 1100  | 1100  | 900   | 15  |
| MEAN REL HUM 07 LST(%) | 69.0  | 67.0  | 63.0  | 68.0  | 80.0  | 88.0  | 90.0  | 91.0  | 88.0  | 82.0  | 73.0  | 71.0  | 77.5  | 15  |
| MEAN REL HUM 13 LST(%) | 68.0  | 67.0  | 65.0  | 70.0  | 78.0  | 84.0  | 85.0  | 86.0  | 84.0  | 81.0  | 73.0  | 70.0  | 75.9  | 15  |
| MAX 24HR PRECIP (IN)   | .6    | .8    | .6    | .4    | .8    | 1.4   | 2.4   | 2.5   | 1.8   | 1.5   | 1.1   | 1.7   | 2.6   | 15  |
| MAX PRECIP (IN)        | 2.7   | 1.6   | 2.7   | .9    | 1.2   | 4.9   | 8.3   | 6.4   | 7.6   | 4.9   | 4.5   | 2.2   | 8.3   | 15  |
| MEAN PRECIP (IN)       | .2    | .6    | .2    | .2    | .1    | .9    | 2.0   | 2.1   | 1.8   | 1.7   | .5    | .5    | 11.6  | 15  |
| MIN PRECIP (IN)        | #     | #     | #     | #     | #     | .1    | .5    | .2    | .1    | #     | #     | #     | #     | 15  |
| D/W PRECIP GE .01 (IN) | 8     | 5     | 5     | 7     | 6     | 7     | 11    | 12    | 11    | 10    | 9     | 7     | 98    | 15  |
| D/W PRECIP GT .50 (IN) | #     | 1     | 1     | 0     | #     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 9     | 15  |
| MAX 24HR SNFL (IN)     | 6.0   | 9.0   | 5.0   | 4.0   | 3.0   | 1.0   | #     | 1.0   | 5.0   | 10.0  | 11.0  | 9.0   | 11.0  | 15  |
| MAX SNFL (IN)          | 25.0  | 20.0  | 10.0  | 14.0  | 0     | 6.0   | 2.0   | 4.0   | 13.0  | 36.0  | 34.0  | 16.0  | 36.0  | 15  |
| MEAN SNFL (IN)         | 4.0   | 4.0   | 3.0   | 4.0   | 2.0   | 1.0   | #     | #     | 4.0   | 12.0  | 8.0   | 4.0   | 47.0  | 15  |
| D/W SNFL GE .1 (IN)    | 8     | 5     | 5     | 4     | 2     | 1     | 1     | 1     | 5     | 14    | 11    | 7     | 64    | 15  |
| D/W SNFL GE 1.5 (IN)   | 1     | #     | #     | #     | #     | #     | #     | #     | 1     | 2     | 1     | 1     | 6     | 15  |
| MAX DLY SNO DEPTH (IN) | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | 15  |
| PRVING WND DIR (DEG)   | 05-07 | 02-04 | 02-04 | 02-04 | 05-07 | 05-07 | 05-07 | 05-07 | 05-07 | 02-04 | 05-07 | 05-07 | 05-07 | 15  |
| MEAN WND SPD (KTS)     | 12    | 11    | 11    | 12    | 12    | 9     | 9     | 9     | 10    | 10    | 11    | 12    | 11    | 15  |
| MAX WND SPD (KTS)      | 66    | 65    | 40    | 61    | 55    | 67    | 66    | 66    | 62    | 66    | 80    | 70    | 80    | 15  |
| SKY COVER GT 5/10 (%)  | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | 15  |
| D/W THUNDERSTORMS      | 0     | 0     | #     | #     | #     | 1     | 1     | #     | 0     | #     | 0     | 0     | 3     | 15  |
| D/W FOG (VSBY LT 7 MI) | 11    | 9     | 8     | 6     | 7     | 7     | 9     | 7     | 8     | 8     | 9     | 10    | 99    | 15  |

LEGEND: ANN = ANNUAL POR/YOR = PERIOD/YEARS OF RECORD  
 D/W = MEAN NUMBER OF DAYS WITH WCPA = WORST CASE MAXIMUM PRESSURE ALTITUDE  
 & = BASED ON LESS THAN FULL MONTHS # = LESS THAN 0.5 DAYS OR TRACE AS APPLICABLE  
 \*\* = INSTANTANEOUS PEAK WINDS \$ = PERCENTAGE OF CALM WINDS GREATER THAN OR EQUAL TO MEAN  
 \* = DATA NOT AVAILABLE WIND DIRECTION

| PERCENT OCCURRENCE FREQUENCY OF CEILING AND VISIBILITY |  |         |      |      |      |      |      |      |      |      |      |      |      |      |    |
|--|--|---------|------|------|------|------|------|------|------|------|------|------|------|------|----|
| MONTH  | JAN  | FEB     | MAR  | APR  | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  | NOV  | DEC  | ANN  | YOR  |    |
| CIG<br>LT 3000 FT<br>AND/OR<br>VSBY<br>LT 3 MI         | LST  | *       | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | 15   |    |
|  | 00 - 02  | *       | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | 15   |    |
|  | 03 - 05  | 41.9    | 32.3 | 28.4 | 33.6 | 55.1 | 54.6 | 48.3 | 66.7 | 67.5 | 55.6 | 39.1 | 33.6 | 46.4 | 15 |
|  | 06 - 08  | *       | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | 15 |
|  | 09 - 11  | 41.0    | 33.0 | 41.3 | 43.1 | 59.1 | 59.0 | 55.2 | 71.6 | 72.5 | 59.7 | 43.2 | 35.8 | 51.2 | 15 |
|  | 12 - 14  | *       | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | 15 |
|  | 15 - 15  | 45.9    | 37.7 | 39.9 | 40.8 | 53.0 | 48.6 | 46.8 | 56.8 | 69.9 | 56.1 | 44.9 | 44.4 | 48.7 | 15 |
|  | 18 - 20  | *       | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | 15 |
|  | 21 - 23  | 39.5    | 34.1 | 35.4 | 34.4 | 50.5 | 42.0 | 43.3 | 59.8 | 70.6 | 57.4 | 43.3 | 38.7 | 45.7 | 15 |
|  | ALL  | 42.1    | 34.3 | 36.2 | 38.0 | 54.4 | 51.1 | 48.4 | 63.7 | 70.1 | 57.2 | 42.6 | 38.1 | 48.0 | 15 |
| CIG<br>LT 1500 FT<br>AND/OR<br>VSBY<br>LT 3 MI         | 00 - 02  | *       | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | 15   |    |
|  | 03 - 05  | 36.0    | 25.5 | 23.1 | 27.5 | 43.3 | 40.2 | 35.1 | 45.5 | 50.6 | 40.4 | 31.7 | 28.9 | 35.6 | 15 |
|  | 06 - 08  | *       | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | 15 |
|  | 09 - 11  | 34.7    | 25.5 | 33.9 | 38.8 | 42.8 | 45.3 | 40.3 | 53.7 | 54.0 | 42.2 | 32.1 | 28.8 | 39.3 | 15 |
|  | 12 - 14  | *       | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | 15 |
|  | 15 - 15  | 39.0    | 29.2 | 34.7 | 34.5 | 37.7 | 33.4 | 31.5 | 40.8 | 48.2 | 39.4 | 37.6 | 38.6 | 37.0 | 15 |
|  | 18 - 20  | *       | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | 15 |
|  | 21 - 23  | 33.4    | 28.9 | 30.3 | 28.5 | 36.6 | 29.2 | 29.2 | 39.4 | 53.3 | 39.7 | 33.9 | 33.5 | 34.7 | 15 |
|  | ALL  | 35.8    | 27.3 | 30.5 | 32.3 | 40.1 | 37.0 | 34.0 | 44.9 | 51.5 | 40.4 | 33.8 | 32.4 | 36.7 | 15 |
|  | CIG<br>LT 1000 FT<br>AND/OR<br>VSBY<br>LT 2 MI | 00 - 02 | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | 15 |
| 03 - 05  |  | 17.4    | 13.1 | 14.6 | 17.4 | 17.9 | 18.1 | 15.2 | 14.2 | 12.8 | 7.6  | 14.1 | 16.2 | 14.9 | 15 |
| 06 - 08  |  | *       | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | 15 |
| 09 - 11  |  | 18.5    | 12.8 | 24.8 | 26.4 | 19.1 | 19.4 | 16.8 | 27.9 | 23.2 | 12.3 | 13.4 | 16.9 | 19.3 | 15 |
| 12 - 14  |  | *       | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | 15 |
| 15 - 15  |  | 26.9    | 21.5 | 24.6 | 23.4 | 15.3 | 10.0 | 11.5 | 12.8 | 15.6 | 13.8 | 22.8 | 26.9 | 18.8 | 15 |
| 18 - 20  |  | *       | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | 15 |
| 21 - 23  |  | 19.3    | 17.2 | 20.7 | 17.6 | 15.3 | 9.3  | 11.4 | 12.7 | 17.7 | 10.9 | 15.9 | 22.0 | 15.8 | 15 |
| ALL  |  | 20.5    | 16.2 | 21.2 | 21.2 | 16.9 | 14.2 | 13.7 | 16.9 | 17.3 | 11.2 | 16.6 | 20.5 | 17.2 | 15 |
| CIG<br>LT 200 FT<br>AND/OR<br>VSBY<br>LT 1/2 MI        |  | 00 - 02 | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | 15 |
|  | 03 - 05  | 8.4     | 5.8  | 6.4  | 7.9  | 7.0  | 7.4  | 4.5  | 2.0  | 2.6  | .5   | 4.8  | 5.8  | 5.3  | 15 |
|  | 06 - 08  | *       | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | 15 |
|  | 09 - 11  | 9.2     | 5.0  | 11.3 | 13.3 | 7.3  | 4.5  | 3.4  | 3.5  | 3.4  | 1.4  | 3.4  | 7.4  | 6.1  | 15 |
|  | 12 - 14  | *       | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | 15 |
|  | 15 - 15  | 13.4    | 10.0 | 13.4 | 12.1 | 4.7  | 1.1  | 1.6  | .7   | .6   | 2.6  | 9.2  | 9.0  | 6.5  | 15 |
|  | 18 - 20  | *       | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | 15 |
|  | 21 - 23  | 6.9     | 5.9  | 11.0 | 8.4  | 6.1  | 1.6  | 2.9  | 1.5  | 1.6  | 2.0  | 4.4  | 8.2  | 5.0  | 15 |
|  | ALL  | 9.5     | 6.9  | 10.5 | 10.4 | 6.3  | 3.7  | 3.1  | 1.9  | 2.1  | 1.6  | 5.4  | 7.6  | 5.7  | 15 |

HURRICANES/TROPICAL STORMS OBSERVED : NONE

REMARKS : THIS CLIMATIC BRIEF WAS CONSTRUCTED BY A CLIMATOLOGIST USING THE LIMITED DATA AVAILABLE (SYNOPTIC HOURS ONLY) AND CLIMATIC BRIEFS FROM NEARBY STATIONS. RECOMMENDATION: USE WITH EXTREME DISCRETION.