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DATA PROCESSING BRANCH
USAFETAC
Air Weather Service (MAC)

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REVISED UNCLASSIFIED SUMMARY OF SURFACE METEOROLOGICAL OBSERVATIONS 09 SEP 1985

STATION: 1427855
 N 47 07 W 117 39 ELEV: 2400 FT SEA

FAIRFAX AFB HOURS SUMMARIZED: 0000 - 2300 LST

PERIOD OF RECORD:
 HOURLY OBSERVATIONS: JUN 75 - MAY 85
 EXTENT OF DAY DATA: FEB 40 - JUL 40, NOV 40 - MAY 05

TIME ZONE: UTC - 5:00 LST: -6

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This technical report has been reviewed and is approved for publication.

FOR THE COMMANDER

Wayne E. McCollom

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

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE

REPORT DOCUMENTATION PAGE

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|---|-------|--|---|--|------------------------------------|-----------------------|
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| 2a. SECURITY CLASSIFICATION AUTHORITY | | | 3. DISTRIBUTION/AVAILABILITY OF REPORT Approved for public release; distribution unlimited. | | | |
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| FIELD | GROUP | SUB-GROUP | *climatology *weather Meteorological conditions | | | |
| 04 | 02 | | (continued over) | | | |
| 19. ABSTRACT (Continue on reverse if necessary and identify by block number) A six-part statistical data summary of surface weather observation climatology for: FAIRCHILD AFB WASHINGTON. Summary consists of: PART A, Weather Conditions and Atmospheric Phenomena; PART B, Precipitation; PART C, Surface Winds; PART D, Ceiling and Visibility; PART E, Psychrometric Summaries; PART F, Pressure Summaries. See USAFETAC/TN-83/001 (AD-A132186), An Aid for Using the Revised Uniform Summary of Surface Weather Observations (RUSSWOs) for complete descriptions of contents and instructions for use. | | | | | | |
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DD FORM 1473, 84 MAR

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

SECURITY CLASSIFICATION OF THIS PAGE

UNCLASSIFIED

UNCLASSIFIED

18. Subject terms cont.

winds precipitation temperature visibility
barometric pressure relative humidity
sky cover psychrometric data ceiling

Revised Uniform Summary of Surface Weather Observations
RUSSWO

FAIRCHILD AFB WASHINGTON

SPOKANE

SPOKANE AFB

USWA 727855

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

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INSPECTED
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U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS.

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of precipitation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS
ATMOSPHERIC PHENOMENA

PART B PRECIPITATION
SNOWFALL
SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY
SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV.
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0100, 0300-0400, 0600-0700, 0900-1000, 1200-1300, 1500-1600, 1800-1900, 2100-2200 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY _____

APRIL _____

JULY _____

OCTOBER _____

FEBRUARY _____

MAY _____

AUGUST _____

NOVEMBER _____

MARCH _____

JUNE _____

SEPTEMBER _____

DECEMBER _____

DURING THE LATE 1960'S AND EARLY 1970'S, FAIRCHILD AFB WA WAS ONE OF THE BASES PARTICIPATING IN COLD FOG DISSIPATION TESTS. THE TESTS WERE CONDUCTED UNDER "PROJECT COLD WAND" WHICH USED VENTED LIQUID PROPANE TO DISSIPATE FOG. THE TESTS WERE CONDUCTED DURING THE WINTERS OF 67-68, 68-69, 69-70 AND 70-71 AND WERE DETERMINED TO BE SUCCESSFUL. THIS METHOD OF COLD FOG DISSIPATION WAS USED ROUTINELY AND OPERATIONALLY DURING THE WINTERS OF 71-72 AND 72-73 BUT WAS DISCONTINUED AFTER 1973.

THESE EXPERIMENTS DO NOT AFFECT THE HOURLY PORTION OF THE RUSSWO AS THE YEARS 1967-1973 ARE NOT USED. HOWEVER, IN THE "ATMOSPHERIC PHENOMENA" SECTION WHICH IS DERIVED FROM THE SUMMARY OF DAY DATA, THESE YEARS ARE INCLUDED. IT IS DOUBTFUL THAT THESE FEW WINTERS WILL HAVE MUCH EFFECT ON THE LONG TERM STATISTICS BUT THE USER SHOULD KEEP THIS INFORMATION IN MIND.

STATION NO. ON SUMMARY: 727855 STATION NAME: FAIRCHILD AFB/SPOKANE WASHINGTON LATITUDE: N 47 37 LONGITUDE: W 117 30

STATION LOCATION AND INSTRUMENTATION HISTORY

| NUMBER LOCATION | STATION NAME | TYPE OF STATION | AT THIS LOCATION | | LATITUDE | LONGITUDE | ELEVATION FEET | INSTRUMENTATION |
|--------------------|---------------|-----------------------|------------------|--------|----------|-----------|-------------------|-----------------|
| | | | FROM | TO | | | | |
| 1 | FAIRCHILD AFB | AFB | Jun 49 | Feb 53 | N 47 37 | W 117 30 | 5000 | |
| 2 | FAIRCHILD AFB | Same | Mar 53 | Mar 54 | Same | Same | Same | |
| 3 | FAIRCHILD AFB | Same | Apr 54 | Mar 58 | Same | Same | Same | |
| 4 | FAIRCHILD AFB | Same | Apr 58 | Feb 59 | Same | Same | Same | |
| 5 | FAIRCHILD AFB | Same | Mar 59 | Mar 67 | Same | Same | Same | |
| 6 | FAIRCHILD AFB | Same | Apr 67 | May 74 | N 47 37 | W 117 30 | 5000 | |
| 7 | FAIRCHILD AFB | Same | May 79 | Jan 8 | N 47 37 | W 117 30 | 5000 | |

DATE OF SURVEY: STATION CONDUCTED (WINTER 65 - 66, 67 - 68)

| NUMBER LOCATION | STATION NAME | STATION | SURFACE WIND EQUIPMENT INFORMATION | | |
|--------------------|---------------|---------------|------------------------------------|---------------------|----------------|
| | | | TYPE OF TRANSMITTER | TYPE OF RECORDER | HEIGHT FEET |
| 1 | FAIRCHILD AFB | FAIRCHILD AFB | Selsyn | N/A | 10 |
| 2 | FAIRCHILD AFB | FAIRCHILD AFB | Same | MD-144 | 10 |
| 3 | FAIRCHILD AFB | FAIRCHILD AFB | Same | MD-144 | 10 |
| 4 | FAIRCHILD AFB | FAIRCHILD AFB | Same | MD-144 | 10 |
| 5 | FAIRCHILD AFB | FAIRCHILD AFB | Same | Same | 10 |
| 6 | FAIRCHILD AFB | FAIRCHILD AFB | GMQ-11 | P-1 | 10 |
| 7 | FAIRCHILD AFB | FAIRCHILD AFB | Same | Same | 10 |
| 8 | FAIRCHILD AFB | FAIRCHILD AFB | Same | Same | 10 |
| 9 | FAIRCHILD AFB | FAIRCHILD AFB | Same | Same | 10 |
| 10 | FAIRCHILD AFB | FAIRCHILD AFB | GMQ-11 | P-1 | 10 |

| NUMBER OF LOCATION | DATE OF CHANGE | SURFACE WIND EQUIPMENT INFORMATION | | | REMARKS, ADDITIONAL EQUIPMENT OR REASON FOR CHANGE | |
|--------------------|----------------|---|---------------------|------------------|--|-----------------|
| | | LOCATION | TYPE OF TRANSMITTER | TYPE OF RECORDER | | HT ABOVE GROUND |
| 10 | Apr 62 | same | Same | Same | 11 ft | |
| 11 | Apr 63 | 1. Located 10 ft from center of runway 23, 10 ft from the end down on runway 23 | Same | Same | Same | |
| | | 2. Located 10 ft from center of runway 25, 10 ft from the end down on runway 25 | Same | Same | Same | |
| 12 | Nov 66 | 1. Located 10 ft from centerline and 10 ft from the end of runway 23 | Same | Same | 13 ft | |
| | | 2. Located 10 ft from centerline and 10 ft from the end of runway 25 | Same | Same | 23 ft | |
| 13 | Jan 70 | 1. Located 10 ft from centerline and 10 ft from the end of runway 23 | GM7-20 | RO-302 | 13 ft | |
| | | 2. Located 10 ft from centerline and 10 ft from the end of runway 25 | Same | Same | 23 ft | |
| 14 | May 79 | 1. Located 10 ft from centerline and 10 ft from the end of runway 23 | Same | Same | 13 ft | |
| | | 2. Located 10 ft from centerline and 10 ft from the end of runway 25 | Same | Same | 23 ft | |
| 15 | Feb 81 | 1. Located 10 ft from centerline and 10 ft from the end of runway 23 | Same | Same | 13 ft | |
| | | 2. Located 10 ft from centerline and 10 ft from the end of runway 25 | Same | Same | 23 ft | |

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

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

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

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

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

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

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

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

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

Continued on Reverse

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

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

GLOBAL CLIMATOLOGY BRANCH
 OFFICE
 AIR WEATHER SERVICE MAC

WEATHER CONDITIONS

127815 STATION FAIRCHILD AFB WA STATION NAME 76-85 YEARS JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS OBS | THUNDER STORMS | RAIN AND/OR DRIZZLE | FREEZING RAINS OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS |
|--------|--------------|-------------------|---------------------------|---------------------------------|-------------------------|------|----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| JAN | 1-1 | | 4.4 | 2.4 | 16.7 | | 22.5 | 41.3 | | .3 | | 41.4 | 930 |
| | 1-5 | | 4.3 | 1.9 | 16.1 | | 21.7 | 42.4 | | .3 | | 42.4 | 930 |
| | 6-10 | | 3.9 | 2.2 | 19.1 | | 24.2 | 44.4 | | .3 | | 44.4 | 930 |
| | 11-15 | | 3.5 | 1.3 | 23.3 | | 27.3 | 47.1 | | .2 | | 47.3 | 930 |
| | 16-20 | | 5.1 | .2 | 10.6 | | 23.2 | 39.4 | .2 | .2 | | 39.7 | 930 |
| | 21-25 | | 4.4 | .2 | 11.7 | | 15.8 | 35.9 | .6 | .2 | | 36.5 | 930 |
| | 26-30 | | 5.0 | .1 | 13.8 | | 16.6 | 36.2 | | .2 | | 36.3 | 930 |
| | 1-30 | | 4.2 | 1.8 | 14.9 | | 19.5 | 39.1 | | | | 39.1 | 930 |
| TOTALS | | | 4.4 | 1.2 | 16.7 | | 21.6 | 40.7 | .1 | .2 | | 40.9 | 7440 |

CLIMATE CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/NAAC

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
WEATHER CONDITIONS
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 ATMOSPHERIC PHENOMENA

727855
 STATION

FAIRCHILD AFB WA
 STATION NAME

49-85

YEARS

ALL
 MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
 FROM DAILY OBSERVATIONS

| MONTH | HOURS OBS. | THUNDER STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS |
|--------|---------------|-------------------|---------------------------|----------------------------------|-------------------------|------|----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| JAN | DAILY | | 31.2 | 8.7 | 57.4 | .1 | 71.1 | 64.8 | 5.9 | 3.6 | | 67.4 | 1147 |
| FEB | | .3 | 37.4 | 3.8 | 43.1 | .3 | 62.8 | 53.4 | 7.5 | 2.1 | | 56.7 | 1045 |
| MAR | | 1.4 | 37.5 | .7 | 32.3 | 1.2 | 54.5 | 28.8 | 3.6 | .9 | .1 | 31.2 | 1187 |
| APR | | 2.4 | 41.9 | | 16.6 | 1.3 | 47.7 | 14.1 | 1.5 | | .3 | 15.4 | 1179 |
| MAY | | 4.5 | 43.6 | .1 | 3.9 | 1.6 | 44.0 | 11.3 | .3 | | .5 | 12.0 | 1186 |
| JUN | | 9.6 | 40.3 | | .4 | 1.2 | 40.4 | 7.6 | .5 | | .5 | 8.3 | 1080 |
| JUL | | 7.8 | 23.3 | | .1 | .4 | 23.3 | 2.2 | .4 | | .5 | 3.1 | 1116 |
| AUG | | 8.3 | 25.9 | | | .6 | 25.9 | 3.9 | 1.3 | | .1 | 5.0 | 1115 |
| SEP | | 2.9 | 28.5 | | .4 | .6 | 28.5 | 8.3 | 2.9 | | .5 | 10.9 | 1078 |
| OCT | | .8 | 37.0 | .1 | 4.7 | .4 | 37.9 | 30.6 | 9.0 | .2 | | 34.0 | 1116 |
| NOV | | .2 | 44.2 | 2.7 | 28.7 | .3 | 59.4 | 59.0 | 9.2 | 1.0 | | 61.8 | 1080 |
| DEC | | | 37.2 | 7.6 | 53.6 | .1 | 71.3 | 68.2 | 4.1 | 2.9 | | 69.9 | 1116 |
| TOTALS | | 3.2 | 35.7 | 2.0 | 20.1 | .7 | 47.2 | 29.3 | 3.8 | 1.0 | .2 | 31.3 | 13295 |

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than $\frac{5}{8}$ mile.

GENERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

7278-5
 STATION

FAIRCHILD AFB, GA
 STATION NAME

75-85
 YEARS

ALL
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS LST | THUNDER STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS |
|--------|--------------|-------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| JAN | ALL | | 4.4 | 1.2 | 16.7 | | 21.6 | 40.7 | .1 | .2 | | 40.9 | 7440 |
| FEB | | .0 | 9.3 | .9 | 10.4 | | 19.8 | 22.1 | .1 | .3 | .1 | 22.4 | 6792 |
| MAR | | .0 | 9.1 | | 4.0 | .0 | 12.6 | 7.6 | .1 | | .1 | 7.6 | 7440 |
| APR | | .2 | 7.2 | | 1.2 | .1 | 8.1 | 2.8 | .1 | | .2 | 3.1 | 7200 |
| MAY | | .3 | 6.6 | | .2 | .1 | 6.9 | 1.7 | | | 1.3 | 3.0 | 7380 |
| JUN | | .5 | 6.8 | | | | 6.8 | 1.3 | .0 | | .4 | 1.8 | 7016 |
| JUL | | .0 | 4.6 | | .0 | .0 | 4.6 | .5 | | | .3 | .8 | 7262 |
| AUG | | .0 | 4.0 | | | | 4.0 | .9 | .1 | | .3 | 1.3 | 7440 |
| SEP | | .1 | 0.1 | | | | 5.1 | 2.3 | .2 | | .7 | 3.1 | 7200 |
| OCT | | .0 | 0.5 | | .5 | .0 | 6.9 | 7.5 | .2 | | .2 | 7.7 | 7440 |
| NOV | | | 5.6 | .6 | 7.7 | .0 | 17.1 | 23.9 | .4 | .4 | .0 | 24.5 | 7200 |
| DEC | | | 6.9 | 1.2 | 16.7 | | 23.7 | 34.5 | .1 | .2 | | 34.7 | 7440 |
| TOTALS | | .2 | 6.9 | .3 | 4.8 | .0 | 11.6 | 12.2 | .1 | .1 | .3 | 12.6 | 87255 |

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE /MAC

WEATHER CONDITIONS

727855
 STATION

FAIRCHILD AFB MA
 STATION NAME

75-84

YEARS

DEC
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS OBS | THUNDER STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND OR SLEET | HAIL | % OF OBS WITH PRECIP | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH CBST TO VISION | TOTAL NO. OF OBS |
|--------|--------------|-------------------|---------------------------|----------------------------------|-------------------------|------|----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| DEC | 10-01 | | 7.5 | 1.1 | 15.1 | | 22.6 | 36.7 | | | | 36.7 | 930 |
| | 01-10 | | 7.7 | 1.3 | 16.8 | | 24.2 | 34.2 | | .8 | | 38.5 | 930 |
| | 11-20 | | 6.7 | 2.3 | 19.8 | | 27.7 | 40.6 | .1 | .3 | | 41.0 | 930 |
| | 21-31 | | 6.5 | 1.4 | 20.8 | | 28.4 | 42.7 | .3 | .1 | | 42.7 | 930 |
| | 1-10 | | 4.9 | .4 | 15.7 | | 20.5 | 32.4 | .2 | .1 | | 32.5 | 930 |
| | 11-20 | | 6.5 | .4 | 14.6 | | 20.6 | 29.1 | .1 | .4 | | 29.5 | 930 |
| | 21-31 | | 7.2 | 1.1 | 15.7 | | 22.5 | 26.8 | | .2 | | 26.9 | 930 |
| | 1-10 | | 7.8 | 1.2 | 15.3 | | 23.0 | 29.7 | | | | 29.7 | 930 |
| | 11-20 | | | | | | | | | | | | |
| | 21-31 | | | | | | | | | | | | |
| TOTALS | | | 6.9 | 1.2 | 16.7 | | 23.7 | 34.5 | .1 | .2 | | 34.7 | 7440 |

GENERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

127855 STATION FAIRCHILD AFB MS STATION NAME 75-84 YEARS NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS LIST | THUNDER STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND OR SLEET | HAIL | % OF OBS WITH PRECIP | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS |
|--------|---------------|-------------------|---------------------------|----------------------------------|-------------------------|------|----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| NOV | 0-02 | | 5.2 | .1 | 7.2 | | 15.4 | 22.7 | | .7 | | 23.3 | 900 |
| | 03-05 | | 10.8 | .9 | 7.1 | | 19.1 | 30.0 | | .4 | | 30.4 | 900 |
| | 06-08 | | 11.0 | 1.1 | 9.2 | | 20.6 | 36.6 | .2 | .3 | | 36.9 | 900 |
| | 09-11 | | 8.9 | .7 | 9.3 | | 18.3 | 31.1 | 1.0 | .4 | | 31.8 | 900 |
| | 12-14 | | 10.0 | .1 | 6.2 | .1 | 15.6 | 19.0 | 1.0 | .3 | .1 | 20.4 | 900 |
| | 15-17 | | 10.0 | .3 | 7.2 | | 16.6 | 16.6 | .6 | .3 | .1 | 17.3 | 900 |
| | 18-20 | | 7.8 | .9 | 7.7 | | 15.6 | 15.2 | .1 | .4 | | 15.7 | 900 |
| | 21-23 | | 7.4 | .3 | 7.7 | | 16.6 | 19.7 | | .6 | | 20.2 | 900 |
| TOTALS | | | 7.6 | .6 | 7.7 | .0 | 17.1 | 23.9 | .4 | .4 | .0 | 24.5 | 7200 |

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

7278.5 STATION FAIRCHILD AFB WA STATION NAME 75-84 YEARS OCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS OBS | THUNDER STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO OF OBS |
|--------|--------------|-------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-----------------------|
| OCT | 00-0 | | 5.9 | | .4 | | 6.2 | 7.1 | .5 | | | 7.1 | 930 |
| | 03-05 | | 5.9 | | .5 | | 6.5 | 9.6 | .1 | | | 9.7 | 930 |
| | 06-08 | | 6.9 | | 1.2 | .1 | 7.7 | 17.7 | .2 | | | 17.7 | 930 |
| | 09-11 | | 6.0 | | .5 | | 8.5 | 11.5 | .5 | | | 11.7 | 930 |
| | 12-14 | | 8.1 | | .5 | .1 | 8.5 | 3.5 | | | .3 | 3.9 | 930 |
| | 15-17 | .3 | 6.3 | | .2 | | 6.3 | 2.2 | | | 1.0 | 3.1 | 930 |
| | 18-20 | | 4.9 | | .2 | | 4.9 | 3.0 | | | .1 | 3.1 | 930 |
| | 21-23 | | 5.9 | | .5 | | 6.2 | 5.3 | .1 | | | 5.3 | 930 |
| TOTALS | | .3 | 6.5 | | .5 | .1 | 6.9 | 7.5 | .2 | | .2 | 7.7 | 7440 |

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

72785
STATION

FAIRCHILD AFB, GA
STATION NAME

75-84

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | PERCENT OF OBS | THUNDER STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS |
|--------|-------------------|-------------------|---------------------------|--------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| SEP | 10-02 | .1 | 5.7 | | | | 5.7 | 1.8 | .3 | | .2 | 2.3 | 900 |
| | 03-08 | | 4.4 | | | | 4.4 | 4.0 | .2 | | .1 | 4.1 | 900 |
| | 09-14 | | 4.9 | | | | 4.9 | 6.0 | | | .2 | 6.2 | 900 |
| | 15-20 | .1 | 5.3 | | | | 5.3 | 3.1 | | | .6 | 3.7 | 900 |
| | 21-26 | | 5.3 | | | | 5.3 | .7 | .1 | | 1.3 | 2.1 | 900 |
| | 27-30 | | 4.4 | | | | 4.4 | .7 | | | 1.3 | 2.8 | 900 |
| | 1-2 | .1 | 4.7 | | | | 4.7 | 1.0 | .4 | | 1.3 | 2.8 | 900 |
| | 3-4 | .6 | 5.3 | | | | 5.3 | 1.0 | .2 | | .6 | 1.8 | 900 |
| | 5-6 | | | | | | | | | | | | |
| | 7-8 | | | | | | | | | | | | |
| | 9-10 | | | | | | | | | | | | |
| | 11-12 | | | | | | | | | | | | |
| | 13-14 | | | | | | | | | | | | |
| | 15-16 | | | | | | | | | | | | |
| | 17-18 | | | | | | | | | | | | |
| | 19-20 | | | | | | | | | | | | |
| | 21-22 | | | | | | | | | | | | |
| | 23-24 | | | | | | | | | | | | |
| | 25-26 | | | | | | | | | | | | |
| | 27-28 | | | | | | | | | | | | |
| | 29-30 | | | | | | | | | | | | |
| TOTALS | | .1 | 5.1 | | | | 5.1 | 2.3 | .2 | | .7 | 3.1 | 7200 |

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

727855 STATION FAIRCHILD AFB LA STATION NAME 75-84 YEARS AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS LST | THUNDER- STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS |
|--------|--------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| AUG | 00-02 | .2 | 3.7 | | | | 3.7 | .6 | | | | .6 | 930 |
| | 03-05 | .9 | 4.3 | | | | 4.3 | 1.4 | | | .5 | 1.9 | 930 |
| | 06-08 | .1 | 5.1 | | | | 5.1 | 2.5 | .3 | | | 2.8 | 930 |
| | 09-11 | .3 | 3.9 | | | | 3.9 | 1.5 | .4 | | .4 | 2.3 | 930 |
| | 12-14 | .1 | 3.4 | | | | 3.4 | .3 | | | .5 | .9 | 930 |
| | 15-17 | .8 | 4.0 | | | | 4.0 | .2 | .2 | | .3 | .8 | 930 |
| | 18-20 | .9 | 3.9 | | | | 3.9 | | .2 | | .4 | .6 | 930 |
| | 21-23 | 1.0 | 3.8 | | | | 3.8 | .4 | | | | .4 | 930 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .6 | 4.0 | | | | 4.0 | .9 | .1 | | .3 | 1.3 | 7940 |

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

727855 STATION FAIRCHILD AFB WA STATION NAME 75-84 YEARS JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS LST | THUNDER STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO OF OBS |
|--------|--------------|-------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|-----------------------|
| JUL | 00-01 | .2 | 4.7 | | | | 4.7 | .1 | | | .7 | .8 | 868 |
| | 02-06 | .9 | 4.3 | | | | 4.3 | .8 | | | .3 | 1.1 | 899 |
| | 06-08 | .1 | 6.5 | | | | 6.5 | 1.3 | | | .3 | 1.6 | 930 |
| | 09-11 | | 4.4 | | | | 4.4 | 1.1 | | | .3 | 1.4 | 930 |
| | 12-14 | .1 | 4.1 | | .1 | .1 | 4.1 | .2 | | | .4 | .6 | 930 |
| | 15-17 | .6 | 3.4 | | | | 3.4 | | | | .1 | .1 | 930 |
| | 18-20 | 1.1 | 4.0 | | | | 4.0 | .2 | | | .4 | .7 | 902 |
| | 21-23 | 1.0 | 5.6 | | | | 5.6 | .1 | | | .2 | .3 | 973 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .2 | 4.6 | | .1 | .1 | 4.6 | .5 | | | .3 | .8 | 7262 |

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

12785
 STATION

FAIRCHILD AFB WA
 STATION NAME

75-84
 YEARS

JUN
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS OBS | THUNDER STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN % OF DRIZZLE | SNOW AND OR SLEET | HAIL | % OF OBS WITH PRECIP | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS |
|--------|--------------|-------------------|---------------------------|----------------------------------|-------------------------|------|----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| 01 | 00-02 | .0 | 5.2 | | | | 5.2 | .7 | | | .2 | 1.0 | 840 |
| | 03-05 | .1 | 6.1 | | | | 6.1 | 2.1 | | | | 2.1 | 870 |
| | 06-08 | .1 | 8.3 | | | | 8.3 | 2.8 | .1 | | | 2.6 | 900 |
| | 09-11 | .2 | 7.1 | | | | 9.1 | 1.8 | | | .1 | 1.9 | 900 |
| | 12-14 | .6 | 8.1 | | | | 8.1 | 1.2 | | | .6 | 1.8 | 900 |
| | 15-17 | .8 | 5.5 | | | | 5.5 | .8 | | | .9 | 1.7 | 898 |
| | 18-20 | .7 | 6.4 | | | | 6.4 | .9 | | | .9 | 1.6 | 869 |
| | 21-23 | 1.0 | 5.5 | | | | 5.5 | .4 | | | .6 | 1.0 | 839 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .0 | 6.8 | | | | 6.8 | 1.3 | .0 | | .4 | 1.8 | 7016 |

USAFETAC FORM 10-74 0-10-5101 A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DISTRICT CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE PAC

WEATHER CONDITIONS

7278.5 STATION FALCHILL AFB WA STATION NAME 76-85 YEARS MAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS LST | THUNDER STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO OF OBS |
|--------|--------------|-------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|-----------------------|
| MAY | 1-02 | | 6.4 | | .1 | | 8.4 | 1.0 | | | .5 | 1.5 | 916 |
| | 3-05 | | 9.2 | | .5 | | 9.4 | 4.4 | | | .9 | 5.3 | 923 |
| | 6-08 | .2 | 9.2 | | .5 | | 9.7 | 5.1 | | | 1.2 | 6.2 | 930 |
| | 9-11 | .1 | 11.5 | | .1 | | 11.6 | 2.3 | | | 1.3 | 3.5 | 930 |
| | 12-14 | .2 | 8.0 | | .1 | .2 | 9.0 | .5 | | | 1.4 | 1.9 | 929 |
| | 15-17 | 1.1 | 8.5 | | | .1 | 8.5 | | | | 2.0 | 2.0 | 928 |
| | 18-20 | .5 | 7.6 | | .1 | .1 | 7.6 | .1 | | | 2.0 | 2.1 | 918 |
| | 21-23 | .2 | 7.1 | | | | 7.1 | .4 | | | .9 | 1.3 | 911 |
| TOTALS | | .3 | 8.8 | | .2 | .1 | 8.9 | 1.7 | | | 1.3 | 3.0 | 7385 |

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

72785
 STATION

FAIRCHILD AFB WA
 STATION NAME

76-85
 YEARS

APR
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS LST | THUNDER- STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND OR SLEET | HAIL | % OF OBS WITH PRECIP | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS |
|--------|--------------|--------------------|---------------------------|----------------------------------|-------------------------|------|----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| APR | 00-01 | | 5.2 | | 1.0 | | 6.6 | 1.6 | | | .2 | 1.8 | 900 |
| | 02-03 | | 7.1 | | 1.2 | | 8.2 | 3.9 | | | | 3.9 | 900 |
| | 04-05 | | 7.9 | | 1.4 | | 8.9 | 9.4 | | | | 9.4 | 900 |
| | 06-11 | | 7.4 | | 1.6 | | 8.3 | 2.2 | .1 | | .1 | 2.4 | 900 |
| | 12-16 | | 7.3 | | 1.7 | .1 | 8.9 | 1.2 | .3 | | .6 | 2.1 | 900 |
| | 17-17 | .6 | 8.9 | | 1.6 | .3 | 9.8 | 1.9 | .2 | | .4 | 2.6 | 900 |
| | 18-20 | .7 | 7.6 | | .6 | | 7.8 | 1.0 | .1 | | .1 | 1.2 | 900 |
| | 21-27 | | 6.2 | | .6 | | 6.6 | 1.1 | | | .2 | 1.3 | 900 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .2 | 7.2 | | 1.2 | .1 | 8.1 | 2.8 | .1 | | .2 | 3.1 | 7200 |

GENERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

727855 STATION FAIRCHILD AFB WA STATION NAME 76-65 YEARS MAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS TEST | THUNDER STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS |
|--------|---------------|-------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| 12 | 30-02 | | 2.7 | | 4.2 | | 11.9 | 6.6 | | | | 6.6 | 930 |
| | 03-05 | | 6.0 | | 5.5 | | 12.5 | 11.4 | | | | 11.4 | 930 |
| | 06-08 | | 9.3 | | 5.1 | | 14.0 | 16.6 | | | | 16.6 | 930 |
| | 09-11 | .1 | 9.0 | | 5.1 | | 13.9 | 11.9 | .3 | | | 12.3 | 930 |
| | 12-14 | | 10.2 | | 4.3 | .1 | 14.0 | 5.1 | .1 | | .3 | 5.5 | 930 |
| | 15-17 | .1 | 11.3 | | 3.1 | | 14.0 | 3.2 | | | .4 | 3.7 | 930 |
| | 18-20 | | 9.2 | | 1.3 | | 10.4 | 2.2 | | | .2 | 2.4 | 930 |
| | 21-23 | | 7.3 | | 2.9 | | 9.7 | 3.5 | | | | 3.5 | 930 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | | 7.1 | | 4.9 | .0 | 12.6 | 7.6 | .1 | | .1 | 7.8 | 7440 |

1
 CENTRAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

727845 STATION FATCHILD AFB WA STATION NAME 76-85 YEARS FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS LST | THUNDER STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS |
|--------|--------------|-------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| FEB | 0-02 | | 0.4 | 1.5 | 10.2 | | 19.6 | 22.5 | | .1 | | 22.5 | 849 |
| | 3-5 | | 9.4 | 1.5 | 10.6 | | 21.0 | 26.3 | | .4 | | 26.5 | 849 |
| | 6-8 | | 11.0 | 1.0 | 14.6 | | 26.4 | 32.3 | | .7 | | 32.6 | 849 |
| | 9-11 | | 9.1 | .5 | 15.4 | | 24.3 | 32.3 | .2 | .5 | .1 | 33.0 | 849 |
| | 12-14 | | 9.5 | .5 | 11.5 | | 20.5 | 20.1 | .1 | .2 | | 20.4 | 849 |
| | 15-17 | | 8.0 | .4 | 7.1 | | 15.0 | 14.3 | .2 | | .2 | 14.7 | 849 |
| | 18-20 | | 9.8 | .7 | 6.3 | | 15.2 | 12.8 | .4 | | .2 | 13.4 | 849 |
| | 21-23 | .1 | 9.8 | .1 | 8.1 | | 16.7 | 16.1 | | .1 | .1 | 16.3 | 849 |
| TOTALS | | | 9.3 | .9 | 10.4 | | 19.8 | 22.1 | .1 | .3 | .1 | 22.4 | 6792 |

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

| | | |
|-----------------------------|--------|--|
| EXTREME DAILY PRECIPITATION | "0.00" | equals none for the month (hundredths) |
| EXTREME DAILY SNOWFALL | "0.0" | equals none for the month (tenths) |
| EXTREME DAILY SNOW DEPTH | "0" | equals none for the month (whole inches) |
3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

Values for means and standard deviations do not include measurements from incomplete months.

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945 at 0800IST
Jan 46-May 57 at 1230GMT
Jun 57-present at 1200GMT

U. S. Navy and National Weather Service (USWB)

beginning thru Jun 52 at 0030GMT
Jul 52-May 57 at 1230GMT
Jun 57-present at 1200GMT

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
 PRECIPITATION
 (FROM DAILY OBSERVATIONS)

727855 FAIRCHILD AFB WA

43-85

STATION

STATION NAME

YEARS

| PRECIP | AMOUNTS (INCHES) | | | | | | | | | | | PERCENT OF DAYS WITH MEASURABLE AMTS | TOTAL NO OF OBS | MONTHLY AMOUNTS (INCHES) | | | | | | | | | | | | |
|------------|------------------|-------|-----|------|-----|------|-----|-----|----|----|----|--------------------------------------|-----------------|--------------------------|-----|-----|----------|-----|-----|----------|------|------|-------|-----------|------|----------|
| | NONE | TRACE | 01 | 02 | 03 | 06 | 10 | 11 | 25 | 26 | 50 | | | 51 | 100 | 101 | 250 | 251 | 500 | 501 | 1000 | 1001 | 2000 | OVER 2000 | MEAN | GREATEST |
| SNOWFALL | NONE | TRACE | 01 | 04 | 05 | 14 | 24 | 34 | 44 | 54 | 64 | 104 | 154 | 254 | 304 | 504 | OVER 504 | | | | | | | | | |
| SNOW DEPTH | NONE | TRACE | 1 | 2 | 3 | 4 | 6 | 7 | 12 | 13 | 24 | 25 | 36 | 37 | 48 | 49 | 60 | 61 | 120 | OVER 120 | | | | | | |
| JAN | 31.5 | 26.4 | 4.3 | 11.1 | 7.6 | 9.9 | 7.2 | 1.9 | | | | | | | | | | | | | | 42.2 | 1297 | 2.06 | 5.26 | TRACE |
| FEB | 37.6 | 23.3 | 4.2 | 11.7 | 6.3 | 11.1 | 4.3 | 1.3 | .2 | | | | | | | | | | | | | 39.1 | 1158 | 1.51 | 3.56 | .19 |
| MAR | 45.6 | 21.3 | 3.9 | 9.2 | 5.6 | 9.7 | 3.2 | 1.4 | .1 | | | | | | | | | | | | | 33.1 | 1295 | 1.41 | 3.64 | TRACE |
| APR | 50.8 | 23.3 | 3.9 | 6.9 | 4.2 | 6.6 | 3.2 | 1.0 | .1 | | | | | | | | | | | | | 25.9 | 1260 | 1.04 | 3.12 | .03 |
| MAY | 54.9 | 18.5 | 3.5 | 7.1 | 4.6 | 5.8 | 4.1 | 1.2 | .2 | | | | | | | | | | | | | 26.6 | 1302 | 1.29 | 5.95 | .13 |
| JUN | 59.3 | 17.6 | 2.8 | 6.2 | 4.1 | 5.6 | 3.2 | 1.2 | .1 | | | | | | | | | | | | | 23.2 | 1230 | 1.09 | 2.49 | .01 |
| JUL | 77.1 | 11.5 | 1.9 | 3.1 | 2.0 | 2.2 | 1.6 | .5 | .1 | | | | | | | | | | | | | 11.4 | 1271 | .48 | 2.29 | TRACE |
| AUG | 74.4 | 12.4 | 2.3 | 3.1 | 1.9 | 3.1 | 2.0 | .6 | .2 | | | | | | | | | | | | | 13.1 | 1271 | .66 | 2.92 | .00 |
| SEP | 70.7 | 11.8 | 2.5 | 4.8 | 2.8 | 4.0 | 2.6 | .9 | | | | | | | | | | | | | | 17.6 | 1230 | .77 | 2.16 | TRACE |
| OCT | 61.6 | 13.0 | 1.9 | 7.9 | 4.6 | 6.1 | 3.1 | 1.8 | | | | | | | | | | | | | | 25.4 | 1271 | 1.20 | 6.47 | TRACE |
| NOV | 40.0 | 19.8 | 3.3 | 11.0 | 7.2 | 8.9 | 7.2 | 2.2 | .2 | | | | | | | | | | | | | 40.1 | 1256 | 2.12 | 6.52 | TRACE |
| DEC | 29.3 | 24.7 | 5.0 | 11.1 | 9.8 | 10.5 | 7.1 | 2.3 | .3 | | | | | | | | | | | | | 46.0 | 1271 | 2.26 | 4.56 | .58 |
| ANNUAL | 52.7 | 18.6 | 3.3 | 7.8 | 5.1 | 7.0 | 4.1 | 1.4 | .1 | | | | | | | | | | | | | 78.6 | 15112 | 15.89 | | |

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

FROM DAILY OBSERVATIONS

727855 FAIRCHILD AFB WA
STATION STATION NAME

43-85

YEARS

24 HOUR AMOUNTS IN INCHES

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|-----------|--------|------|--------|------|------|------|-------|-------|-------|-----|------|------|------------|
| 43 | | | | | | | | | | | | | *TRACE |
| 44 | *TRACE | | *TRACE | .58 | .46 | .52 | .02 | .02 | .13 | .15 | .70 | .33 | |
| 45 | .23 | .37 | .63 | .38 | .68 | .35 | TRACE | .26 | .57 | .34 | .49 | 1.08 | 1.08 |
| 46 | .35 | .53 | .53 | .33 | .48 | .34 | .05 | .02 | .90 | .75 | .96 | .54 | .96 |
| 47 | .18 | .14 | .25 | .20 | .15 | .25 | .10 | .15 | .21 | .82 | .81 | 1.03 | 1.03 |
| 48 | .47 | 1.20 | .16 | .52 | 1.68 | .34 | .12 | .01 | .12 | .02 | .10 | .76 | 1.68 |
| 49 | .50 | 1.01 | 1.75 | .09 | .24 | .01 | TRACE | TRACE | .53 | .30 | .36 | .30 | 1.75 |
| 50 | .79 | .75 | .30 | .37 | .30 | .80 | .25 | .45 | TRACE | .57 | .21 | .28 | .80 |
| 51 | .28 | .12 | .35 | .18 | .17 | .22 | .15 | .27 | .20 | .69 | .42 | 1.02 | 1.02 |
| 52 | .55 | .21 | .30 | .16 | .35 | .55 | .11 | .55 | .20 | .06 | .46 | .69 | .69 |
| 53 | .83 | .29 | .20 | .59 | 1.11 | .20 | TRACE | .59 | .32 | .10 | .74 | .76 | 1.11 |
| 54 | .80 | .38 | .82 | .06 | .74 | .20 | .35 | .44 | .48 | .46 | .31 | .34 | .82 |
| 55 | .25 | .67 | .20 | .41 | .15 | .39 | .17 | TRACE | .38 | .68 | .79 | .49 | .79 |
| 56 | .48 | .34 | .24 | .02 | .14 | .25 | .24 | .34 | .11 | .76 | .12 | .18 | .76 |
| 57 | .30 | .21 | .21 | .14 | .46 | 1.00 | .04 | .01 | .52 | .55 | .16 | .40 | 1.00 |
| 58 | .44 | .69 | .26 | .46 | .30 | .46 | .17 | .06 | .17 | .28 | .80 | .50 | .80 |
| 59 | .66 | .36 | .40 | .19 | .51 | .32 | TRACE | 1.05 | .41 | .32 | .77 | .40 | 1.05 |
| 60 | .20 | .46 | .60 | .36 | 1.13 | .15 | TRACE | .45 | .58 | .35 | .95 | .61 | 1.13 |
| 61 | .61 | .69 | .34 | .36 | .57 | .40 | .37 | .23 | .08 | .45 | .42 | .55 | .69 |
| 62 | .48 | .44 | .51 | .85 | .32 | .42 | .32 | .35 | .81 | .55 | .41 | .40 | .85 |
| 63 | .52 | .49 | .29 | .20 | .43 | .82 | .18 | .17 | .51 | .61 | 1.12 | .55 | 1.12 |
| 64 | .37 | .31 | .53 | .20 | .11 | 1.41 | .47 | .53 | .44 | .22 | .84 | 1.15 | 1.41 |
| 65 | .44 | .34 | .06 | 1.13 | .44 | .38 | .67 | 1.36 | .08 | .03 | .52 | .38 | 1.36 |
| 66 | .64 | .08 | .76 | .26 | .09 | .31 | .57 | .08 | .55 | .18 | .86 | .70 | .86 |
| 67 | .65 | .13 | .67 | .36 | .47 | .70 | .08 | TRACE | .48 | .49 | .26 | .32 | .70 |
| 68 | .37 | .58 | .84 | .03 | .40 | .50 | .26 | .57 | .29 | .73 | 1.23 | .59 | 1.23 |
| 69 | .72 | .58 | .28 | .61 | .31 | .70 | .05 | .00 | .25 | .21 | .46 | .64 | .72 |
| 70 | .79 | .86 | .32 | .42 | .45 | .94 | .42 | .03 | .47 | .96 | .46 | .41 | .96 |
| 71 | .64 | .29 | .71 | .70 | .49 | .54 | .30 | .18 | .30 | .69 | .32 | .96 | .96 |
| 72 | .35 | .24 | .35 | .37 | .98 | .32 | .29 | .48 | .44 | .11 | .47 | .56 | .98 |
| MEAN | | | | | | | | | | | | | |
| SD | | | | | | | | | | | | | |
| TOTAL OBS | | | | | | | | | | | | | |

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
PRECIPITATION

FROM DAILY OBSERVATIONS

727855 FAIRCHILD AFB WA
STATION STATION NAME

43-85

YEARS

24 HOUR AMOUNTS IN INCHES

| MONTH YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | All MONTHS |
|---------------|------|------|------|------|------|------|-------|------|------|-------|------|------|---------------|
| 73 | .55 | .22 | .40 | .66 | .79 | .17 | TRACE | .22 | .85 | .30 | .93 | .62 | .93 |
| 74 | .97 | .46 | .78 | .18 | .29 | .14 | .60 | .02 | .15 | .05 | .80 | .42 | .97 |
| 75 | .46 | .66 | .33 | .52 | .51 | .50 | 1.06 | .27 | .05 | .78 | .33 | .51 | 1.06 |
| 76 | .45 | .49 | .38 | .38 | .33 | .73 | .46 | .60 | .04 | .35 | .07 | .26 | .73 |
| 77 | .18 | .21 | .39 | .12 | .27 | .73 | .08 | .45 | .46 | .18 | .58 | .76 | .76 |
| 78 | .42 | .38 | .21 | .65 | .52 | .57 | .56 | .94 | .35 | TRACE | .56 | .16 | .94 |
| 79 | .47 | .33 | .33 | .38 | .47 | .49 | .57 | .48 | .36 | .51 | .34 | .30 | .57 |
| 80 | .30 | .36 | .19 | .37 | .72 | .36 | .10 | .30 | .58 | .31 | .57 | .92 | .92 |
| 81 | .62 | .29 | .78 | .31 | .87 | .51 | .16 | .14 | .35 | .43 | .41 | .64 | .87 |
| 82 | .55 | .57 | .65 | .79 | .07 | .52 | .34 | .25 | .44 | .58 | .33 | .50 | .79 |
| 83 | .39 | .39 | .65 | .26 | .22 | .63 | .60 | .21 | .34 | .36 | 1.09 | .52 | 1.09 |
| 84 | .40 | .30 | .24 | .38 | .35 | .47 | .05 | .65 | .25 | .24 | .55 | .84 | .84 |
| 85 | .33 | .21 | .35 | .15 | .20 | | | | | | | | |
| MEAN | .489 | .430 | .452 | .373 | .458 | .478 | .252 | .321 | .360 | .403 | .553 | .570 | .970 |
| S D | .189 | .242 | .294 | .237 | .322 | .268 | .240 | .307 | .218 | .254 | .291 | .251 | .250 |
| TOTAL OBS | 1297 | 1158 | 1295 | 1260 | 1302 | 1230 | 1271 | 1271 | 1230 | 1271 | 1256 | 1271 | 15112 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOPAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES
 MONTHLY PRECIPITATION

727855 FAIRCHILD AFB WA
STATION STATION NAME

43-85

YEAR

TOTAL MONTHLY PRECIPITATION IN INCHES

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL MONTHS |
|-----------|--------|------|--------|------|------|------|-------|-------|-------|------|------|--------|--------------|
| 43 | | | | | | | | | | | | *TRACE | |
| 44 | *TRACE | | *TRACE | 2.09 | .98 | .99 | .02 | .03 | .40 | .35 | 1.90 | .99 | |
| 45 | 1.25 | 1.38 | 3.40 | .83 | 2.47 | .80 | TRACE | .51 | 2.16 | .71 | 2.82 | 4.28 | 20.61 |
| 46 | 1.26 | 2.02 | 2.24 | .90 | .89 | 1.10 | .05 | .02 | 1.64 | 1.19 | 2.73 | .56 | 14.62 |
| 47 | .59 | .19 | .68 | .79 | .28 | .63 | .18 | .27 | .44 | 6.47 | 2.76 | 2.39 | 15.67 |
| 48 | 1.75 | 2.97 | .32 | 1.56 | 5.95 | 1.41 | .26 | .01 | .21 | .05 | .28 | 2.57 | 17.34 |
| 49 | .76 | 2.97 | 3.64 | .69 | .39 | .01 | TRACE | TRACE | 1.19 | 1.00 | 1.68 | .91 | 12.64 |
| 50 | 3.51 | 1.58 | 1.52 | .52 | .43 | 1.86 | .31 | .45 | TRACE | 2.45 | .93 | 1.25 | 14.81 |
| 51 | 1.89 | .48 | .89 | .27 | .50 | .53 | .43 | .32 | .40 | 2.47 | 1.22 | 3.27 | 12.67 |
| 52 | 3.37 | 1.14 | .81 | .27 | .74 | 1.32 | .11 | .55 | .48 | .11 | .80 | 3.07 | 12.77 |
| 53 | 4.03 | .75 | .92 | 1.23 | 1.91 | .76 | TRACE | 1.78 | .52 | .20 | 1.98 | 2.17 | 16.25 |
| 54 | 4.51 | 1.07 | 1.37 | .23 | .65 | .47 | .60 | 1.34 | 1.62 | .57 | 1.22 | 1.20 | 14.85 |
| 55 | 1.19 | 1.31 | .57 | 1.19 | .32 | .60 | .72 | TRACE | .87 | 1.70 | 3.15 | 2.33 | 13.95 |
| 56 | 2.71 | 1.76 | .95 | .03 | .28 | .62 | .31 | .93 | .14 | 1.51 | .28 | .71 | 10.23 |
| 57 | 1.68 | .61 | 1.08 | .35 | 1.38 | 1.85 | .06 | .03 | .70 | 1.77 | .76 | 1.23 | 11.50 |
| 58 | 1.78 | 2.76 | .95 | 1.66 | .73 | .84 | .35 | .06 | .33 | .76 | 3.35 | 1.69 | 15.26 |
| 59 | 4.22 | 1.73 | .83 | .56 | 1.82 | .40 | TRACE | 1.26 | 1.40 | 1.20 | 2.42 | 1.09 | 16.73 |
| 60 | .87 | 1.46 | 2.15 | 1.51 | 2.11 | .17 | TRACE | .79 | .98 | 1.08 | 4.00 | 1.22 | 16.24 |
| 61 | 1.78 | 3.56 | 1.53 | .99 | 1.37 | .98 | .37 | .47 | .14 | 1.13 | 1.48 | 2.17 | 15.97 |
| 62 | .94 | 1.53 | 2.06 | 1.07 | 2.02 | .65 | .49 | .78 | 1.01 | 1.68 | 2.52 | 1.36 | 16.15 |
| 63 | .62 | 1.67 | .80 | 1.11 | .96 | 1.06 | .26 | .57 | .91 | 1.08 | 2.68 | 2.23 | 13.95 |
| 64 | 2.26 | .78 | 1.35 | .32 | .13 | 2.49 | .59 | 1.37 | .64 | .32 | 2.23 | 4.55 | 17.03 |
| 65 | 2.53 | .75 | .12 | 2.25 | 1.53 | .44 | .90 | 2.92 | .31 | .08 | 2.64 | 1.63 | 16.10 |
| 66 | 1.58 | .36 | 2.64 | .36 | .34 | .90 | 1.05 | .23 | .56 | .47 | 3.27 | 3.28 | 15.04 |
| 67 | 2.63 | .44 | 1.67 | 1.87 | 1.43 | 2.00 | .08 | TRACE | .61 | 1.78 | .91 | 1.78 | 15.20 |
| 68 | 1.46 | 2.54 | .99 | .08 | .90 | 1.11 | .31 | 1.84 | 1.01 | 2.80 | 3.19 | 3.06 | 19.29 |
| 69 | 5.76 | 1.42 | .52 | 3.12 | .85 | 1.35 | .08 | .00 | .77 | .57 | .62 | 3.13 | 17.69 |
| 70 | 4.47 | 1.98 | 1.07 | 1.61 | .97 | 1.78 | 1.02 | .03 | .55 | 2.84 | 2.08 | 2.08 | 20.48 |
| 71 | 1.98 | .97 | 2.29 | 1.57 | 1.64 | 1.62 | .46 | .48 | 1.31 | 1.22 | 1.92 | 3.07 | 18.53 |
| 72 | 2.05 | 1.13 | 1.31 | 1.23 | 1.99 | 1.45 | .45 | 1.44 | .72 | .25 | 1.08 | 2.34 | 15.44 |
| MEAN | | | | | | | | | | | | | |
| STDEV | | | | | | | | | | | | | |
| TOTAL OBS | | | | | | | | | | | | | |

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXXXXXXXXXX
EXTREME VALUES
XXXXXXXXXXXXXXXXXXXXXXXXXXXX
MONTHLY PRECIPITATION

FROM DAILY OBSERVATIONS

72785 FAIRCHILD AFB ^{STATION NAME} MA

43-85

YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

| YEAR | MONTH | IAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|------|-----------|-------|-------|-------|-------|-------|-------|-------|------|------|-------|-------|-------|------------|
| 73 | | 2.19 | .55 | 1.09 | .85 | 1.53 | .59 | TRACE | .35 | 1.42 | 1.40 | 6.52 | 4.56 | 21.05 |
| 74 | | 4.07 | 1.84 | 2.74 | .72 | 1.17 | .31 | 1.19 | .03 | .15 | .08 | 2.99 | 2.35 | 17.64 |
| 75 | | 2.20 | 3.06 | 1.47 | 1.65 | 1.17 | 1.45 | 2.29 | .60 | .05 | 1.98 | 1.57 | 1.58 | 19.07 |
| 76 | | 1.20 | 1.20 | .75 | .92 | 1.00 | 1.08 | .70 | 1.89 | .04 | .60 | .28 | .73 | 10.39 |
| 77 | | .61 | .34 | 1.15 | .13 | 1.59 | 1.10 | .10 | 1.09 | 1.58 | .42 | 2.06 | 4.27 | 14.44 |
| 78 | | 1.92 | 1.44 | .72 | 2.47 | 2.16 | .86 | 1.65 | 1.41 | .93 | TRACE | 2.13 | 1.02 | 16.71 |
| 79 | | 1.21 | 2.15 | .86 | .90 | 1.35 | .81 | .57 | .95 | .74 | 1.34 | 1.28 | 2.06 | 14.22 |
| 80 | | 2.03 | 1.89 | 1.10 | 1.35 | 2.34 | 1.36 | .22 | .47 | .88 | .96 | 1.84 | 4.07 | 18.51 |
| 81 | | 1.07 | 1.43 | 2.19 | .70 | 2.47 | 1.65 | .51 | .14 | .77 | 1.32 | 1.02 | 2.77 | 16.04 |
| 82 | | 2.03 | 2.14 | 1.54 | 2.04 | .24 | 1.19 | 1.02 | .33 | 1.70 | 1.68 | 1.84 | 2.52 | 18.27 |
| 83 | | 1.82 | 2.25 | 2.14 | .68 | .88 | 2.40 | 1.97 | .45 | .71 | 1.06 | 4.57 | 2.40 | 21.33 |
| 84 | | .96 | 1.31 | 2.08 | 1.53 | 1.52 | 1.62 | .06 | .70 | .49 | .67 | 3.99 | 2.68 | 17.61 |
| 85 | | .41 | .94 | 1.12 | .18 | .78 | | | | | | | | |
| | MEAN | 2.061 | 1.509 | 1.405 | 1.042 | 1.290 | 1.088 | .481 | .656 | .765 | 1.203 | 2.122 | 2.260 | 16.057 |
| | S D | 1.213 | .823 | .794 | .727 | .988 | .578 | .541 | .668 | .517 | 1.133 | 1.275 | 1.094 | 2.700 |
| | TOTAL OBS | 1297 | 1158 | 1295 | 1260 | 1302 | 1230 | 1271 | 1271 | 1230 | 1271 | 1256 | 1271 | 15112 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
 SNOWFALL
 (FROM DAILY OBSERVATIONS)

727855 FAIRCHILD AFB WA

46-85

STATION

STATION NAME

YEARS

| PRECIP | AMOUNTS (INCHES) | | | | | | | | | | | | | | | PERCENT OF DAYS WITH MEASURABLE AMTS | TOTAL NO OF OBS | MONTHLY AMOUNTS (INCHES) | | | | | | | | | | | | | | | | | | |
|------------|------------------|-------|-----|------|-----|-----|-----|-----|----|----|----|-----|-----|-----|-----|--------------------------------------|-----------------|--------------------------|-----|---------|------|------|------|-----------|------|----------|-------|------|------|------|------|-------|-------|-------|-------|-------|
| | NONE | TRACE | 01 | 02 | 05 | 06 | 10 | 11 | 25 | 26 | 50 | 51 | 100 | 101 | 250 | | | 251 | 500 | 501 | 1000 | 1001 | 2000 | OVER 2000 | MEAN | GREATEST | LEAST | | | | | | | | | |
| SNOWFALL | NONE | TRACE | 01 | 04 | 05 | 14 | 25 | 34 | 44 | 54 | 64 | 104 | 154 | 254 | 504 | OVER 504 | | | | | | | | | | | | | | | | | | | | |
| SNOW DEPTH | NONE | TRACE | 1 | 2 | 3 | 4 | 6 | 7 | 12 | 13 | 24 | 25 | 36 | 37 | 48 | 49 | 60 | 61 | 70 | OVER 70 | | | | | | | | | | | | | | | | |
| JAN | 44.0 | 24.3 | 9.9 | 9.7 | 5.2 | 2.9 | 2.1 | 1.4 | .6 | | | | | | | | | | | | | | | 31.7 | 1240 | 15.1 | 50.7 | 3.6 | | | | | | | | |
| FEB | 57.4 | 21.6 | 6.7 | 8.4 | 3.4 | 1.3 | .5 | .4 | .2 | | | | | | | | | | | | | | | | | | | 21.0 | 1130 | 6.9 | 31.6 | TRACE | | | | |
| MAR | 67.8 | 20.2 | 4.8 | 5.2 | 1.4 | .3 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | 12.0 | 1240 | 3.3 | 11.4 | TRACE | | | |
| APR | 83.2 | 13.9 | 1.4 | 1.2 | .3 | .1 | | | | | | | | | | | | | | | | | | | | | | | | 2.9 | 1199 | .6 | 6.3 | .0 | | |
| MAY | 96.3 | 3.3 | .2 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | .4 | 1239 | .1 | 1.3 | .0 | | |
| JUN | 99.7 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1170 | TRACE | TRACE | .0 |
| JUL | 99.9 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1209 | TRACE | TRACE | .0 |
| AUG | 100.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1209 | .0 | .0 | .0 |
| SEP | 99.7 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1170 | TRACE | TRACE | .0 |
| OCT | 95.3 | 3.5 | .4 | .7 | | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 1.2 | 1209 | .4 | 5.0 | .0 |
| NOV | 70.4 | 16.1 | 4.0 | 5.1 | 2.0 | .9 | .8 | .5 | .2 | | | | | | | | | | | | | | | | | | | | | | | 13.5 | 1170 | 5.7 | 25.2 | TRACE |
| DEC | 45.9 | 26.3 | 6.0 | 10.1 | 5.5 | 2.9 | 1.3 | 1.7 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | 27.7 | 1208 | 13.8 | 36.6 | .5 |
| ANNUAL | 80.0 | 10.8 | 2.8 | 3.4 | 1.5 | .7 | .4 | .3 | .1 | .0 | | | | | | | | | | | | | | | | | | | | | | 9.2 | 14393 | 45.9 | | |

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

FROM DAILY OBSERVATIONS

727855

FAIRCHILD AFB WA
STATION NAME

46-85

YEARS

24 HOUR AMOUNTS IN INCHES

| YEAR | MONTH | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|-----------|-------|-----|-------|-------|--------|-------|-------|-----|-----|-------|-------|--------|------|------------|
| 46 | | 3.8 | 4.2 | 3.1 | TRACE | .0 | .0 | .0 | .0 | .0 | .1 | 4.0 | 3.0 | 4.2 |
| 47 | | 2.0 | .8 | TRACE | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.5 | 5.1 | 5.1 |
| 48 | | 3.6 | 4.5 | .4 | TRACE | TRACE | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 6.1 | 6.1 |
| 49 | | 5.1 | 6.4 | 1.5 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 2.0 | 3.0 | 6.4 |
| 50 | | 7.5 | 7.5 | 3.3 | TRACE | TRACE | .0 | .0 | .0 | .0 | TRACE | 2.2 | 2.4 | 7.5 |
| 51 | | 4.3 | 2.3 | 1.7 | .0 | .0 | .0 | .0 | .0 | .0 | .7 | 1.0 | 10.8 | 10.8 |
| 52 | | 5.5 | 2.1 | 1.0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 6.9 | 6.9 |
| 53 | | 4.1 | 1.2 | 1.2 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .3 | 1.8 | 4.1 |
| 54 | | 6.5 | 1.4 | .2 | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | TRACE | 2.1 | 6.5 |
| 55 | | 2.4 | 5.4 | 2.0 | .4 | TRACE | .0 | .0 | .0 | .0 | TRACE | 7.9 | 2.4 | 7.9 |
| 56 | | 4.5 | 2.6 | 2.4 | TRACE | .0 | .0 | .0 | .0 | .0 | 1.0 | .9 | 1.5 | 4.5 |
| 57 | | 3.0 | 2.1 | 1.5 | .1 | .0 | .0 | .0 | .0 | .0 | 4.8 | 1.4 | 2.6 | 4.8 |
| 58 | | 1.7 | TRACE | 2.0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | 3.2 | 5.0 | 5.0 |
| 59 | | 4.2 | 3.6 | 1.8 | TRACE | 1.0 | .0 | .0 | .0 | .0 | .0 | 4.6 | 2.2 | 4.6 |
| 60 | | 3.2 | 1.5 | 1.9 | 1.8 | .1 | .0 | .0 | .0 | .0 | .0 | 1.5 | 2.3 | 3.2 |
| 61 | | 6.3 | 2.3 | 2.0 | .8 | TRACE | .0 | .0 | .0 | TRACE | TRACE | 3.1 | 2.5 | 6.3 |
| 62 | | 4.4 | 2.7 | 3.9 | .9 | .0 | .0 | .0 | .0 | .0 | .0 | 1.7 | .3 | 4.4 |
| 63 | | 5.9 | 2.0 | 1.0 | .2 | TRACE | .0 | .0 | .0 | .0 | .0 | TRACE | 5.5 | 5.9 |
| 64 | | 4.7 | 2.5 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | TRACE | 5.8 | 5.5 | 5.8 |
| 65 | | 4.5 | 1.0 | .2 | 1.2 | .0 | .0 | .0 | .0 | .0 | .0 | 4.0 | 6.0 | 6.0 |
| 66 | | 2.6 | 1.0 | 3.8 | TRACE | TRACE | .0 | .0 | .0 | .0 | .5 | 1.5 | 3.8 | 3.8 |
| 67 | | 2.2 | 2.5 | 2.1 | .2 | 1.3 | .0 | .0 | .0 | .0 | TRACE | 4.0 | 4.6 | 4.6 |
| 68 | | 3.4 | .4 | TRACE | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | 1.0 | 4.8 | 4.8 |
| 69 | | 7.3 | 1.0 | 2.2 | .8 | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE* | 3.0 | 7.3 |
| 70 | | 3.5 | 1.5 | 5.4* | TRACE* | TRACE | .0 | .0 | .0 | .0 | TRACE | 3.4 | 3.0 | 5.4 |
| 71 | | 3.0 | 2.3 | .9 | TRACE | TRACE | .0 | .0 | .0 | .0 | 2.8 | 3.2 | 6.0 | 6.0 |
| 72 | | 4.5 | 2.6 | 1.1 | 1.0 | .0 | .0 | .0 | .0 | TRACE | 1.1 | TRACE | 2.5 | 4.5 |
| 73 | | 3.8 | 2.2 | .7 | .6 | TRACE | TRACE | .0 | .0 | .0 | 1.1 | 8.0 | 4.8 | 8.0 |
| 74 | | 5.6 | 1.9 | 1.0 | .2 | TRACE | .0 | .0 | .0 | .0 | .0 | .5 | 5.5 | 5.6 |
| 75 | | 7.8 | 8.8 | 4.3 | 2.7 | TRACE | .0 | .0 | .0 | .0 | .3 | 5.2 | 4.7 | 8.8 |
| MEAN | | | | | | | | | | | | | | |
| S D | | | | | | | | | | | | | | |
| TOTAL OBS | | | | | | | | | | | | | | |

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOEAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES
 MONTHLY SNOWFALL

FROM DAILY OBSERVATIONS

727855 FAIRCHILD AFB WA

46-85

YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

| YEAR | AN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|-----------|------|-------|-------|--------|--------|-------|-----|-----|-------|-------|--------|------|------------|
| 46 | 7.7 | 6.4 | 3.2 | TRACE | .0 | .0 | .0 | .0 | .0 | .1 | 11.5 | 3.0 | 31.9 |
| 47 | 8.5 | .8 | TRACE | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 4.1 | 14.3 | 28.7 |
| 48 | 8.1 | 9.2 | .5 | TRACE | TRACE | .0 | .0 | .0 | .0 | 1.5 | 2.8 | 29.4 | 51.5 |
| 49 | 10.2 | 18.7 | 3.6 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 2.0 | 4.3 | 38.8 |
| 50 | 44.4 | 10.3 | 5.9 | TRACE | TRACE | .0 | .0 | .0 | .0 | TRACE | 5.9 | 5.4 | 71.9 |
| 51 | 21.0 | 4.5 | 5.4 | .0 | .0 | .0 | .0 | .0 | .0 | .7 | 1.0 | 32.6 | 65.2 |
| 52 | 31.6 | 7.1 | 3.6 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 25.6 | 68.3 |
| 53 | 10.6 | 2.7 | 2.1 | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .3 | 4.3 | 20.2 |
| 54 | 31.8 | 3.8 | .5 | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | TRACE | 6.2 | 42.3 |
| 55 | 11.7 | 17.6 | 3.3 | .4 | TRACE | .0 | .0 | .0 | .0 | TRACE | 25.0 | 16.3 | 74.3 |
| 56 | 16.5 | 14.2 | 6.0 | TRACE | .0 | .0 | .0 | .0 | .0 | 1.1 | 1.8 | 3.3 | 42.9 |
| 57 | 16.7 | 4.4 | 3.5 | .1 | .0 | .0 | .0 | .0 | .0 | 5.0 | 2.5 | 6.0 | 38.2 |
| 58 | 5.8 | TRACE | 2.0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | 7.4 | 6.8 | 22.0 |
| 59 | 19.4 | 16.1 | 2.5 | TRACE | 1.0 | .0 | .0 | .0 | .0 | .0 | 5.9 | 5.2 | 50.1 |
| 60 | 8.5 | 3.5 | 6.5 | 3.0 | .1 | .0 | .0 | .0 | .0 | .0 | 5.4 | 7.1 | 34.1 |
| 61 | 6.3 | 8.3 | 4.0 | .8 | TRACE | .0 | .0 | .0 | TRACE | TRACE | 10.1 | 16.4 | 45.9 |
| 62 | 8.8 | 4.5 | 11.4 | .9 | .0 | .0 | .0 | .0 | .0 | .0 | 4.1 | .5 | 30.2 |
| 63 | 6.3 | 3.2 | 1.1 | .2 | TRACE | .0 | .0 | .0 | .0 | .0 | TRACE | 19.6 | 30.4 |
| 64 | 19.8 | 5.9 | 2.5 | 2.0 | .0 | .0 | .0 | .0 | .0 | TRACE | 11.6 | 36.6 | 78.4 |
| 65 | 16.3 | 1.5 | .2 | 1.5 | .0 | .0 | .0 | .0 | .0 | .0 | 8.4 | 19.4 | 47.3 |
| 66 | 10.8 | 2.0 | 7.5 | TRACE | TRACE | .0 | .0 | .0 | .0 | .5 | 1.7 | 8.6 | 31.1 |
| 67 | 10.5 | 3.3 | 7.3 | .5 | 1.3 | .0 | .0 | .0 | .0 | TRACE | 5.2 | 18.6 | 47.0 |
| 68 | 12.7 | .4 | TRACE | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | 1.3 | 15.7 | 30.1 |
| 69 | 50.7 | 5.1 | 2.2 | .8 | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE* | 15.2 | * 74.0 |
| 70 | 18.8 | 2.5 | 6.6 | *TRACE | *TRACE | .0 | .0 | .0 | .0 | TRACE | 6.9 | 15.9 | * 50.7 |
| 71 | 8.2 | 8.0 | 3.7 | TRACE | TRACE | .0 | .0 | .0 | .0 | 3.8 | 7.0 | 34.9 | 65.6 |
| 72 | 17.1 | 7.0 | 2.8 | 1.0 | .0 | .0 | .0 | .0 | TRACE | 1.1 | TRACE | 7.5 | 36.5 |
| 73 | 6.3 | 3.3 | 1.0 | .6 | TRACE | TRACE | .0 | .0 | .0 | 1.1 | 25.2 | 8.2 | 45.7 |
| 74 | 12.1 | 6.4 | 2.1 | .3 | TRACE | .0 | .0 | .0 | .0 | .0 | .7 | 15.2 | 36.8 |
| 75 | 25.7 | 31.6 | 9.1 | 6.3 | TRACE | .0 | .0 | .0 | .0 | .6 | 12.0 | 8.0 | 93.3 |
| MEAN | | | | | | | | | | | | | |
| S D | | | | | | | | | | | | | |
| TOTAL OBS | | | | | | | | | | | | | |

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXX
EXTREME VALUES
 XXXXXXXXXXXXXXXXXXXX
 MONTHLY SNOWFALL

FROM DAILY OBSERVATIONS

727855 FAIRCHILD AFB WA STATION NAME

46-85 YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|-----------|--------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|------------|
| 76 | 15.4 | 6.1 | 4.2 | .6 | .0 | .0 | .0 | .0 | .0 | .0 | .3 | 5.3 | 31.9 |
| 77 | 5.8 | 1.1 | 1.8 | TRACE | TRACE | .0 | .0 | .0 | TRACE | TRACE | 11.5 | 27.1 | 47.3 |
| 78 | 16.7 | 7.3 | 2.1 | .4 | TRACE | .0 | .0 | .0 | .0 | TRACE | 14.8 | 10.6 | 51.9 |
| 79 | 14.6 | 12.0 | .7 | .4 | TRACE | .0 | TRACE | .0 | .0 | TRACE | 5.3 | 11.7 | 44.7 |
| 80 | 19.5 | 7.1 | 4.7 | TRACE | TRACE | TRACE | .0 | .0 | .0 | TRACE | 1.4 | 8.3 | 41.0 |
| 81 | 3.6 | 2.5 | TRACE | TRACE | .4 | TRACE | .0 | .0 | TRACE | .0 | 1.3 | 13.9 | 21.7 |
| 82 | 28.3 | 2.2 | TRACE | 3.2 | TRACE | .0 | .0 | .0 | .0 | TRACE | 3.1 | 16.2 | 53.0 |
| 83 | 7.3 | 6.0 | TRACE | TRACE | TRACE | TRACE | .0 | .0 | .0 | TRACE | 4.0 | 18.9 | 36.2 |
| 84 | 4.9 | 8.6 | .5 | .7 | .5 | .0 | .0 | .0 | .0 | TRACE | 11.1 | 18.3 | 44.6 |
| 85 | 4.0 | 12.2 | 5.7 | TRACE | TRACE | | | | | | | | |
| MEAN | 15.09 | 6.94 | 3.25 | .64 | .08 | TRACE | TRACE | .00 | TRACE | .40 | 5.71 | 13.82 | 45.16 |
| S D | 10.504 | 6.110 | 2.762 | 1.208 | .273 | .000 | .000 | .000 | .000 | 1.029 | 6.163 | 9.345 | 16.826 |
| TOTAL OBS | 1240 | 1130 | 1240 | 1199 | 1239 | 1170 | 1209 | 1209 | 1170 | 1209 | 1170 | 1208 | 14393 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
 SNOW DEPTH
 FROM DAILY OBSERVATIONS:

727855 FAIRCHILD AFB WA

43-85

STATION

STATION NAME

YEARS

| MONTH | AMOUNTS (INCHES) | | | | | | | | | | | | | | PERCENT OF DAYS WITH MEASURABLE AMTS | TOTAL NO OF OBS | MONTHLY AMOUNTS (INCHES) | | | |
|--------|------------------|-------|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|--------------------------------------|-----------------|--------------------------|------|----------|-------|
| | NONE | TRA E | 1.4 | 1.5 | 2.4 | 2.5 | 3.4 | 3.5 | 4.4 | 4.5 | 5.4 | 5.5 | 6.4 | 6.5 | | | OVER 20.4 | MEAN | GREATEST | LEAST |
| JAN | 29.5 | 11.6 | 8.5 | 6.3 | 5.2 | 15.1 | 13.8 | 7.5 | 2.3 | .2 | | | | | | 58.9 | 1288 | | | |
| FEB | 53.0 | 7.8 | 6.5 | 6.2 | 4.8 | 9.3 | 6.8 | 4.2 | .7 | .6 | | | | | | 39.2 | 1154 | | | |
| MAR | 72.6 | 7.2 | 3.5 | 2.4 | 1.3 | 2.2 | .6 | | | | | | | | | 10.2 | 1306 | | | |
| APR | 98.7 | .9 | .2 | .2 | .1 | | | | | | | | | | | .5 | 1260 | | | |
| MAY | 100.0 | | | | | | | | | | | | | | | | 1302 | | | |
| JUN | 100.0 | | | | | | | | | | | | | | | | 1230 | | | |
| JUL | 100.0 | | | | | | | | | | | | | | | | 1271 | | | |
| AUG | 100.0 | | | | | | | | | | | | | | | | 1271 | | | |
| SEP | 100.0 | | | | | | | | | | | | | | | | 1230 | | | |
| OCT | 99.2 | .2 | .4 | .1 | | .1 | | | | | | | | | | .6 | 1271 | | | |
| NOV | 62.1 | 5.7 | 3.7 | 2.6 | 2.0 | 3.3 | .6 | | | | | | | | | 12.2 | 1254 | | | |
| DEC | 43.7 | 7.8 | 8.5 | 8.6 | 8.7 | 13.7 | 7.5 | 1.2 | .2 | | | | | | | 48.5 | 1262 | | | |
| ANNUAL | 82.4 | 3.4 | 2.6 | 2.2 | 1.8 | 3.6 | 2.4 | 1.1 | .3 | .1 | | | | | | 14.2 | 15093 | | | |

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH

FROM DAILY OBSERVATIONS

727855 FAIRCHILD AFB WA
STATION STATION NAME

43-85

YEARS

DAILY SNOW DEPTH IN INCHES

| MONTH | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YR |
|-----------|-------|-----|-------|-------|-----|-----|-----|-----|-----|-----|-------|-------|----|
| 43 | | | | | | | | | | | | | 0 |
| 44 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0* | 3* | 2 | 5 |
| 45 | * 3* | 2* | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0* | 5* | 4 | 5 |
| 46 | 4 | 4 | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 3 | 5 |
| 47 | 4 | 3 | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 6 |
| 48 | 2 | 5 | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 16 | 16 |
| 49 | 21 | 33 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 33 |
| 50 | 23 | 27 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 27 |
| 51 | 8 | 5 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 28 | 28 |
| 52 | 36 | 12 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 36 |
| 53 | 9 | 1 | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | TRACE | 9 |
| 54 | 17 | 3 | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 17 |
| 55 | 6 | 8 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 9 | 11 |
| 56 | 7 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 7 |
| 57 | 10 | 11 | 2 | TRACE | 0 | 0 | 0 | 0 | 0 | 5 | 2 | 1 | 11 |
| 58 | 2 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 5 |
| 59 | 9 | 7 | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 2 | 9 |
| 60 | 9 | 2 | 3 | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 9 |
| 61 | 6 | 1 | 1 | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 11 | 11 |
| 62 | 6 | 2 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | TRACE | 6 |
| 63 | TRACE | 6 | TRACE | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | TRACE | 12 | 12 |
| 64 | 11 | 6 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 16 | 16 |
| 65 | 14 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 11 | 14 |
| 66 | 7 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 7 |
| 67 | 3 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 8 | 8 |
| 68 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 7 |
| 69 | 41 | 45 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 45 |
| 70 | 7 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 7 | 7 |
| 71 | 5 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 15 | 15 |
| 72 | 9 | 10 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 10 |
| MEAN | | | | | | | | | | | | | |
| SD | | | | | | | | | | | | | |
| TOTAL OBS | | | | | | | | | | | | | |

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OIA)

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 ATR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: FEB HOURS(LOCAL): 0000-0200

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .6 | .7 | .1 | | | | | | | | | 1.4 | 4.0 |
| NNE | 1.6 | 1.9 | 1.4 | .2 | | | | | | | | 5.2 | 5.4 |
| NE | 2.1 | 2.7 | 2.2 | .8 | .1 | .4 | | | | | | 8.4 | 7.0 |
| ENE | 2.4 | 5.7 | 2.4 | .6 | | | | | | | | 11.0 | 5.3 |
| E | 1.6 | 1.5 | .6 | | | | | | | | | 3.8 | 4.1 |
| ESE | 1.3 | .8 | .5 | .1 | | | | | | | | 2.7 | 4.7 |
| SE | .7 | .8 | .6 | .1 | | | | | | | | 2.2 | 5.5 |
| SSE | .7 | 2.6 | .4 | .1 | | | | | | | | 3.8 | 5.1 |
| S | 3.1 | 5.3 | 3.7 | .7 | .1 | | | | | | | 12.8 | 5.9 |
| SSW | 1.5 | 2.8 | 4.2 | 3.8 | .5 | | | | | | | 12.8 | 8.5 |
| SW | 1.1 | 1.2 | 2.6 | 2.2 | .7 | .4 | .1 | | | | | 8.2 | 10.2 |
| WSW | 1.1 | .7 | .7 | .2 | .1 | | | | | | | 2.8 | 6.0 |
| W | 1.3 | 1.1 | .5 | .1 | .1 | | | | | | | 3.1 | 5.1 |
| WNW | .5 | .1 | | .1 | | | | | | | | .7 | 4.5 |
| NW | .4 | | .1 | | | | | | | | | .5 | 3.3 |
| NNW | .2 | .5 | | | | | | | | | | .7 | 3.8 |
| VARIABLE | //////////////////////////////////// | | | | | | | | | | | 19.9 | //// |
| TOTALS | 20.1 | 28.4 | 19.9 | 9.2 | 1.6 | .7 | .1 | | | | | 100.0 | 5.2 |

TOTAL NUMBER OF OBSERVATIONS: 849

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: JAN HOURS(LOCAL): ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .7 | 1.1 | .2 | | | | | | | | | 2.0 | 4.2 |
| NNE | 2.4 | 4.0 | 1.8 | .7 | .1 | .0 | | | | | | 9.1 | 5.7 |
| NE | 2.7 | 5.4 | 3.4 | .7 | .1 | .0 | | | | | | 12.4 | 5.9 |
| ENE | 2.9 | 4.6 | 2.5 | .3 | .0 | | | | | | | 10.3 | 5.1 |
| E | 2.3 | 2.2 | .5 | .0 | | | | | | | | 5.0 | 3.9 |
| ESE | .7 | .3 | .2 | .0 | | | | | | | | 1.3 | 4.1 |
| SE | .7 | .5 | .2 | .1 | | | | | | | | 1.5 | 4.5 |
| SSE | .8 | .9 | .4 | .1 | .0 | | | | | | | 2.1 | 5.1 |
| S | 2.1 | 1.9 | 1.3 | .6 | .1 | .0 | | | | | | 6.0 | 5.7 |
| SSW | 1.3 | 2.4 | 2.4 | 1.6 | .5 | .2 | .1 | | | | | 8.5 | 6.6 |
| SW | 1.4 | 1.6 | 1.4 | 1.8 | .7 | .4 | .1 | .0 | | | | 7.3 | 9.9 |
| WSW | 1.2 | 1.0 | .4 | .5 | .3 | .1 | | | | | | 3.5 | 7.2 |
| W | 1.2 | .9 | .4 | .2 | .0 | .0 | | | | | | 2.7 | 4.9 |
| WNW | .6 | .3 | .1 | | | | | | | | | 1.1 | 3.7 |
| NW | .2 | .2 | .1 | .0 | | | | | | | | .5 | 4.9 |
| NNW | .2 | .3 | .1 | | | | | | | | | .6 | 4.0 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 26.2 | //// |
| TOTALS | 21.4 | 27.6 | 15.2 | 6.7 | 1.9 | .7 | .2 | .0 | | | | 100.0 | 4.6 |

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: JAN HOURS(LST): 2100-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | 1.0 | 1.2 | .4 | | | | | | | | | 2.6 | 4.5 |
| NNE | 1.9 | 3.3 | 1.6 | .3 | .2 | | | | | | | 7.4 | 5.4 |
| NE | 3.0 | 4.8 | 1.7 | .8 | | | | | | | | 10.3 | 5.4 |
| ENE | 2.4 | 4.2 | 2.5 | .1 | | | | | | | | 9.1 | 5.0 |
| E | 1.9 | 1.6 | .1 | .1 | | | | | | | | 3.8 | 3.7 |
| ESE | .4 | .5 | .4 | | | | | | | | | 1.4 | 4.8 |
| SE | .5 | .1 | .2 | .2 | | | | | | | | 1.1 | 6.2 |
| SSE | .5 | .5 | .8 | .4 | | | | | | | | 2.3 | 7.3 |
| S | 2.5 | 1.5 | 1.2 | .2 | | | | | | | | 5.4 | 4.6 |
| SSW | 1.8 | 3.4 | 2.2 | 1.2 | .6 | | .3 | | | | | 9.6 | 7.9 |
| SW | 1.6 | 2.6 | 1.2 | 1.7 | .6 | .5 | .3 | | | | | 8.6 | 9.7 |
| WSW | 1.6 | .4 | .4 | .4 | | | | | | | | 2.9 | 4.9 |
| W | .9 | .6 | .3 | .2 | | | | | | | | 2.0 | 4.7 |
| WNW | .8 | .4 | | | | | | | | | | 1.2 | 3.1 |
| NW | .1 | .1 | .1 | .1 | | | | | | | | .4 | 6.5 |
| NNW | .3 | .4 | .1 | | | | | | | | | .9 | 4.0 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 31.1 | //// |
| TOTALS | 21.3 | 25.9 | 13.2 | 5.8 | 1.5 | .5 | .6 | | | | | 100.0 | 4.2 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: JAN HOURS(LST): 1800-2000

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | 1.1 | 1.4 | .2 | | | | | | | | | 2.7 | 4.0 |
| NNE | 3.0 | 4.7 | 1.1 | .6 | .2 | | | | | | | 9.7 | 5.2 |
| NE | 1.9 | 5.1 | 2.2 | .4 | .1 | | | | | | | 9.7 | 5.8 |
| ENE | 1.7 | 4.7 | 2.0 | .3 | | | | | | | | 8.8 | 5.4 |
| E | 1.4 | 1.2 | .3 | | | | | | | | | 2.9 | 3.7 |
| ESE | .3 | .2 | .5 | | | | | | | | | 1.1 | 6.1 |
| SE | .8 | .6 | .4 | .1 | | | | | | | | 1.9 | 4.8 |
| SSE | .4 | .4 | | .2 | | | | | | | | 1.1 | 5.2 |
| S | 2.0 | 1.6 | .9 | .1 | | | | | | | | 4.6 | 4.5 |
| SSW | 2.0 | 2.5 | 2.8 | 1.4 | .5 | .2 | .1 | | | | | 9.6 | 8.1 |
| SW | 2.2 | 2.3 | 1.2 | 1.8 | .3 | .5 | .2 | | | | | 8.5 | 8.8 |
| WSW | 1.3 | 1.5 | .2 | .6 | .2 | | | | | | | 3.9 | 6.1 |
| W | 1.7 | .9 | .6 | | | .1 | | | | | | 3.3 | 4.7 |
| WNW | 1.2 | .6 | .3 | | | | | | | | | 2.2 | 3.7 |
| NW | | .2 | .1 | | | | | | | | | .3 | 6.3 |
| NNW | .5 | .5 | .1 | | | | | | | | | 1.2 | 3.7 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 28.6 | //// |
| TOTALS | 21.6 | 28.5 | 13.0 | 5.7 | 1.4 | .9 | .3 | | | | | 100.0 | 4.2 |

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH
 USAFLTAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 127855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: JAN HOURS(LST): 1500-1700

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .3 | .5 | .1 | | | | | | | | | 1.0 | 4.9 |
| NNE | 2.9 | 5.6 | 1.7 | 1.1 | .2 | | | | | | | 11.5 | 5.8 |
| NE | 1.6 | 5.3 | 3.2 | .2 | .1 | | | | | | | 10.4 | 5.8 |
| ENE | 2.8 | 3.8 | 2.3 | .4 | | | | | | | | 9.2 | 5.2 |
| E | 2.3 | 2.6 | .5 | | | | | | | | | 5.4 | 4.0 |
| ESE | .9 | .5 | .2 | .2 | | | | | | | | 1.8 | 4.6 |
| SE | .8 | 1.2 | .1 | | | | | | | | | 2.0 | 3.8 |
| SSE | 1.6 | .8 | .1 | | | | | | | | | 2.5 | 3.1 |
| S | 1.8 | 2.8 | 1.1 | .4 | | | | | | | | 6.1 | 5.1 |
| SSW | 1.1 | 1.8 | 2.2 | 1.9 | .5 | .1 | | | | | | 7.6 | 8.9 |
| SW | 1.4 | 2.7 | 1.5 | 2.0 | .8 | .4 | | | | | | 8.8 | 9.2 |
| MSW | 1.3 | 2.7 | .2 | .8 | .3 | .2 | | | | | | 5.5 | 7.0 |
| W | 1.3 | 1.1 | .8 | .1 | | | | | | | | 3.2 | 5.0 |
| WNW | .5 | .4 | .2 | | | | | | | | | 1.2 | 4.4 |
| NW | .4 | | .1 | | | | | | | | | .5 | 3.8 |
| NNW | | .2 | | | | | | | | | | .2 | 4.0 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 22.9 | //// |
| TOTALS | 21.0 | 31.9 | 14.3 | 7.2 | 1.9 | .8 | | | | | | 100.0 | 4.7 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .5 | .3 | | | | | | | | | | .9 | 3.3 |
| NNE | 2.7 | 2.8 | 2.2 | 1.2 | .1 | | | | | | | 8.9 | 6.3 |
| NE | 3.1 | 5.7 | 5.6 | 1.1 | .2 | | | | | | | 15.7 | 6.4 |
| NNE | 2.6 | 5.2 | 3.2 | .5 | | | | | | | | 11.5 | 5.6 |
| E | 3.3 | 3.3 | .8 | | | | | | | | | 7.4 | 4.1 |
| ESE | .9 | .5 | .2 | .1 | | | | | | | | 1.7 | 4.5 |
| SE | 1.0 | 1.0 | | .1 | | | | | | | | 2.0 | 3.7 |
| SSE | 1.0 | 1.0 | .5 | .1 | | | | | | | | 2.6 | 5.0 |
| S | 2.7 | 1.2 | 1.5 | 1.0 | | | | | | | | 6.3 | 5.7 |
| SSW | .8 | 2.5 | 2.3 | 1.8 | .4 | .4 | | | | | | 8.2 | 9.3 |
| SW | 1.3 | .9 | 1.4 | 2.0 | 1.3 | .5 | | | | | | 7.4 | 11.2 |
| WSW | 1.5 | 1.0 | .9 | 1.2 | .3 | .2 | | | | | | 5.1 | 8.3 |
| W | 1.1 | 1.5 | .4 | .4 | | | | | | | | 3.4 | 5.8 |
| WNW | .4 | .4 | .2 | | | | | | | | | 1.1 | 4.5 |
| NW | .2 | .3 | .2 | .1 | | | | | | | | .9 | 6.5 |
| NNW | .1 | | | | | | | | | | | .1 | 3.0 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 16.8 | //// |
| TOTALS | 23.1 | 27.5 | 19.4 | 9.7 | 2.4 | 1.2 | | | | | | 100.0 | 5.5 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: JAN HOURS(LST): 0900-1100

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .4 | 1.1 | .1 | | | | | | | | | 1.6 | 4.3 |
| NNE | 2.5 | 4.6 | 1.7 | .9 | .1 | | | | | | | 9.8 | 5.7 |
| NE | 2.0 | 6.8 | 5.7 | .9 | | .1 | | | | | | 15.5 | 6.5 |
| ENE | 3.0 | 5.9 | 3.4 | .5 | .1 | | | | | | | 13.0 | 5.6 |
| E | 3.5 | 2.8 | .5 | | | | | | | | | 6.9 | 3.8 |
| ESE | 1.2 | .1 | | | | | | | | | | 1.3 | 2.3 |
| SE | 1.0 | .5 | .2 | .1 | | | | | | | | 1.8 | 4.4 |
| SSE | 1.0 | .8 | .3 | .1 | | | | | | | | 2.2 | 4.4 |
| S | 2.0 | 1.7 | 1.3 | 1.1 | | | | | | | | 6.1 | 6.2 |
| SSW | 1.2 | 2.0 | 2.4 | 2.2 | .5 | .3 | | | | | | 8.6 | 9.4 |
| SW | 1.4 | 1.1 | 1.5 | 1.2 | .9 | .2 | | | | | | 6.2 | 9.4 |
| WSW | .3 | .6 | .3 | .4 | .2 | .1 | | | | | | 2.0 | 9.4 |
| W | 1.1 | 1.0 | .3 | .3 | | | | | | | | 2.7 | 5.2 |
| WNW | .2 | .2 | .1 | | | | | | | | | .5 | 4.2 |
| NW | | .1 | .1 | | | | | | | | | .2 | 8.0 |
| NNW | .1 | .2 | | | | | | | | | | .3 | 4.0 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 21.2 | //// |
| TOTALS | 21.0 | 29.6 | 18.1 | 7.6 | 1.8 | .8 | | | | | | 100.0 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: JAN HOURS(LST): 0600-0800

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | 1.0 | 1.2 | .1 | | | | | | | | | 2.3 | 3.7 |
| NNE | 2.4 | 3.8 | 2.4 | .5 | .1 | | | | | | | 9.1 | 5.7 |
| NE | 3.4 | 5.7 | 3.9 | .5 | .2 | | | | | | | 13.8 | 5.7 |
| ENE | 3.9 | 4.3 | 2.5 | | | | | | | | | 10.6 | 4.7 |
| E | 2.9 | 3.1 | .5 | | | | | | | | | 6.0 | 3.9 |
| ESE | .5 | .1 | .1 | | | | | | | | | .8 | 3.4 |
| SF | .5 | .1 | | .1 | | | | | | | | .8 | 4.0 |
| SSF | .5 | 1.4 | .1 | .1 | | | | | | | | 2.2 | 4.7 |
| S | 1.6 | 1.7 | 1.6 | .8 | .2 | | | | | | | 5.9 | 6.6 |
| SSW | 1.4 | 1.9 | 3.2 | 1.6 | .4 | .1 | .1 | | | | | 8.8 | 8.2 |
| SW | .9 | 1.1 | 1.2 | .8 | .6 | .2 | | | | | | 4.7 | 9.3 |
| WSW | .6 | .9 | .5 | | .5 | .2 | | | | | | 2.8 | 8.8 |
| W | 1.3 | .5 | .2 | .2 | .1 | | | | | | | 2.4 | 5.0 |
| WNW | .3 | .1 | | | | | | | | | | .4 | 2.8 |
| NW | .2 | .1 | .1 | | | | | | | | | .4 | 4.3 |
| NNW | .2 | .4 | .2 | | | | | | | | | .9 | 5.0 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 28.2 | //// |
| TOTALS | 21.2 | 26.5 | 16.7 | 4.6 | 2.3 | .5 | .1 | | | | | 100.0 | 4.3 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .8 | 1.2 | .1 | | | | | | | | | 2.0 | 4.0 |
| NNE | 1.7 | 3.9 | 2.0 | .3 | .1 | | | | | | | 8.1 | 5.9 |
| NE | 3.8 | 5.5 | 2.6 | .5 | .2 | | | | | | | 12.6 | 5.5 |
| ENE | 2.8 | 5.6 | 2.2 | .2 | | | | | | | | 10.8 | 4.9 |
| E | 2.0 | 1.5 | .5 | | | | | | | | | 4.1 | 4.0 |
| ESE | 1.2 | .4 | | | | | | | | | | 1.6 | 2.9 |
| SE | .3 | .2 | .2 | .1 | | | | | | | | .9 | 5.8 |
| SSE | .2 | .9 | .8 | | | | | | | | | 1.8 | 5.7 |
| S | 1.9 | 1.9 | 2.2 | .6 | .2 | .2 | | | | | | 7.1 | 7.0 |
| SSW | .6 | 2.6 | 1.7 | 1.5 | .3 | | | | | | | 6.8 | 8.1 |
| SW | 1.1 | .9 | 1.9 | 2.3 | .4 | .2 | .1 | | | | | 6.9 | 10.0 |
| WSW | 1.2 | .1 | .3 | .4 | .2 | .2 | | | | | | 2.5 | 8.3 |
| W | 1.1 | .8 | .2 | .1 | .1 | | | | | | | 2.3 | 5.0 |
| WNW | .8 | .1 | | | | | | | | | | .9 | 2.4 |
| NW | .5 | .3 | .1 | | | | | | | | | 1.0 | 3.6 |
| NNW | .1 | .5 | | | | | | | | | | .6 | 4.3 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 30.2 | //// |
| TOTALS | 20.1 | 26.3 | 14.8 | 6.1 | 1.6 | .6 | .1 | | | | | 100.0 | 4.3 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .8 | 1.7 | .5 | | | | | | | | | 3.0 | 4.9 |
| NNE | 2.2 | 3.2 | 2.0 | .6 | .1 | .1 | | | | | | 8.3 | 6.1 |
| NE | 3.0 | 4.6 | 2.0 | 1.2 | .2 | | | | | | | 11.1 | 6.0 |
| ENE | 3.8 | 3.4 | 1.8 | .2 | | | | | | | | 9.2 | 4.6 |
| E | 1.8 | 1.2 | .4 | | | | | | | | | 3.4 | 3.8 |
| ESE | .5 | .2 | .1 | | | | | | | | | .9 | 3.8 |
| SE | .5 | .4 | .1 | .1 | | | | | | | | 1.2 | 4.5 |
| SSE | .8 | 1.2 | .3 | .2 | .1 | | | | | | | 2.6 | 5.8 |
| S | 2.2 | 2.9 | .4 | .5 | | | | | | | | 6.0 | 4.9 |
| SSW | 1.2 | 2.5 | 2.4 | 1.4 | .9 | .2 | | | | | | 8.5 | 9.1 |
| SW | 1.1 | 1.1 | 1.0 | 2.6 | .8 | .3 | .2 | .1 | | | | 7.1 | 11.7 |
| WSW | 1.5 | .8 | .6 | .2 | .2 | | | | | | | 3.3 | 5.9 |
| W | 1.3 | .5 | | .1 | | | | | | | | 1.9 | 3.2 |
| WNW | .8 | .4 | .3 | | | | | | | | | 1.5 | 4.1 |
| NW | .2 | .2 | | | | | | | | | | .4 | 3.0 |
| NNW | .4 | .2 | .1 | | | | | | | | | .8 | 3.3 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 30.8 | //// |
| TOTALS | 21.9 | 24.6 | 12.3 | 7.2 | 2.3 | .6 | .2 | .1 | | | | 100.0 | 4.4 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOPAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS

FROM DAILY OBSERVATIONS

727855 STATION FAIRCHILD AFB WA STATION NAME

46-85 YEARS

YEARS

DAILY PEAK GUSTS IN KNOTS

| MONTH YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | All MONTHS | |
|------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------|
| 76 | 20/ | 3427/ | 4222/ | 4J 6/ | 3826/ | 3625/ | 3620/ | 2719/ | 3527/ | 2623/ | 2823/ | 2823/ | 33 | 27/ 42 |
| 77 | 23/ | 2823/ | 2827/ | 4120/ | 3920/ | 2629/ | 3024/ | 31.3* | 2523/ | 2423/ | 3223/ | 4424/ | 38 | 23/ 44 |
| 78 | 20/ | 4022/ | 2422/ | 3625/ | 3424/ | 3116/ | 4228/ | 3318/ | 2426/ | 3123/ | 2928/ | 4422/ | 40 | 28/ 44 |
| 79 | 3/ | 2021/ | 4426/ | 2724/ | 3124/ | 3026/ | 3320/ | 3221/ | 3126/ | 3024/ | 26.3/ | 1922/ | 38 | 21/ 44 |
| 80 | 20/ | 43.5* | 3227/ | 3920/ | 38.4/ | 3126/ | 2420/ | 3424/ | 2521/ | 2418/ | 2621/ | 3921/ | 36 | 20/ 43 |
| 81 | 24/ | 2322/ | 38.7/ | 3223/ | 4825/ | 3020/ | 3222/ | 2617/ | 2424/ | 3418* | 2919/ | 5021/ | 38 | 19/ 50 |
| 82 | 22/ | 4923/ | 3924/ | 4022/ | 3927* | 3118* | 1922/ | 3123/ | 4627/ | 2820/ | 3121/ | 3122/ | 44 | 22/ 49 |
| 83 | 23/ | 4222/ | 3523/ | 3124/ | 26.6/ | 2829/ | 3024/ | 2921/ | 2425/ | 3626/ | 3022/ | 35.4/ | 29 | 23/ 42 |
| 84 | 22/ | 3217/ | 2524/ | 3425/ | 3125/ | 3225/ | 3217/ | 3225/ | 3822/ | 3521/ | 4022/ | 3622/ | 40 | 21/ 40 |
| 85 | 3/ | 1423/ | 3823/ | 2827/ | 46.6/ | 33. | | | | | | | | |
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| MEAN | 38.6 | 37.6 | 38.2 | 37.8 | 34.8 | 35.1 | 32.2 | 31.7 | 32.6 | 34.1 | 37.5 | 38.4 | 46.4 | |
| SD | 10.787 | 7.704 | 8.834 | 5.955 | 5.783 | 7.830 | 5.470 | 5.733 | 4.568 | 6.811 | 8.747 | 5.512 | 4.924 | |
| TOTAL OBS | 1109 | 1039 | 1184 | 1138 | 1130 | 1037 | 1115 | 1107 | 1062 | 1080 | 1030 | 1121 | 13152 | |

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

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

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS

FROM DAILY OBSERVATIONS

727855 FAIRCHILD AFB WA

46-85

YEARS

DAILY PEAK GUSTS IN KNOTS

| YEAR | MONTH | JAN | FEB | MAR | APR | MAY | JUN | JULY | SEP | OCT | NOV | DEC | ALL MONTHS | | |
|------|-----------|-----------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|----------|------------|--------|--------|
| 46 | | | | | | | | | | | | WSW 40 | | | |
| 47 | | SSW 48SSW | 40SSW | 28SSW | 40SSW | *36SW | 36S | 45SSW | 38SSW | 32S | 40SW | 27SSW*43 | SSW 48 | | |
| 48 | | SW *38SSW | *45SSW | 46SSW | 38S | | | | | | | | | | |
| 49 | | | SSW*57SSW | *29SSW | *37NE | 31SW | 43WSW | 37SSW | 35SW | 36WSW | 36WSW | 62SW | 45 | | |
| 50 | | S | 42SSW | 48SSW | 36SW | 50WSW | 38WSW | 35S | 40SW | 38SW | 35SSW | 54SSE | 50SSW 40 | SSW 54 | |
| 51 | | SW | 64SW | 40SW | 59NNW | 74WSW | 79NNW | 45SW | 49SSW | 30WSW | 40SW | 36WSW | 41WSW*46 | SW 64 | |
| 52 | | | *31WSW | 50SW | 41W | 38SW | 40NNW | 36NNW | 34WSW | 34NNW | 37SSE | 26WSW*43 | | | |
| 53 | | SW | 55W | 35WSW | 45WSW | 35S | 33WSW | 39SW | 30SE | 35WSW | 43SW | 30SW | 39WSW | 46 | SW 55 |
| 54 | | SW | 43SW | 43SW | *45WSW | 48SW | 43WSW | 47SSW | 34NNW | 43SSW | 34SW | 48SSW | 44SW | 46 | WSW 48 |
| 55 | | SSW*36SW | *49SW | *67WSW | 45WSW | 41WSW | 51SSW | *46SW | 33W | 32NNW | 38SSW | 42SW | 47 | SW *67 | |
| 56 | | SSW | 44SSW | 45SSW | 64SW | 45WSW | 40WSW | 59SSW | *40SW | 35WSW | 40SW | 44WSW | 49SW | 45 | SSW 64 |
| 57 | | SW | 23SW | 51WSW | 49SW | 48SSW | 56SSW | 42WSW | 36SSW | 32WSW | 37SSW | 35SW | 43SW | *47 | SSW 56 |
| 58 | | SW | 46SW | 49S | 29WSW | 32SW | 30SSW | 29W | 31W | 39WSW | 39SW | 34SW | 35SSW | 39 | SW 49 |
| 59 | | SW | 34SSW | 31WSW | 36SW | *34WSW | 36SW | 33SW | 33W | 29SW | *33 | | SW | 39 | |
| 60 | | SSW | 21SW | 30SSW | 33WSW | 39WSW | 36SSW | *33E | 26SSW | *25SSW | *22SSW | *35SW | *36SSW | 30 | WSW 39 |
| 61 | | SSW | 73SW | *35SSW | 39WSW | *37NE | *24WSW | *30SSW | 27WSW | *33SSW | *38WSW | *35SSW | *31WSW | *55 | WSW*55 |
| 62 | | SSW | 33NE | 26W | 28SW | 40W | 32W | 35SSW | *30SSW | *26NNE | 30S | 34SSW | 45SSW | *30 | SSW 45 |
| 63 | | NE | *28WSW | *34SSW | 41SW | 37WSW | 34SW | 29WSW | 28NNW | *18WSW | *32SSW | 27SW | 34SW | 30 | SSW 41 |
| 64 | | SW | 46SSW | 35SSW | 37SW | 36SW | 77ENE | 26SSW | 29W | 34SSW | 34W | 39SSW | 32SW | 47 | SW 47 |
| 65 | | SW | 45SW | 49NNE | 30SSW | 31WSW | *42N | *28N | 26SSW | 27NE | 30SSW | 37SW | 35WSW | 34 | SW 49 |
| 66 | | S | 50W | 46SSW | 36SW | 32SW | 31WSW | 29S | 29SW | 30S | 31SSW | 34S | 35SE | 28 | S 50 |
| 67 | | SSW | 46SSW | 36S | 39S | 30SSW | 30NNW | 26SW | *26SW | 31SSW | 34SSW | 42S | 34SW | 40 | SSW 46 |
| 68 | | SSW | 36SSW | 31W | 36SSW | 40SW | 43SE | 3227/ | 3820/ | 3020/ | 3423/ | 3020/ | 2920/ | 43 | SW 43 |
| 69 | | 23/ | 3420/ | 34 5* | 2623/ | 3634/ | 28 3* | 2724/ | 2925/ | 2323/ | 34 6* | 2826/ | 2322* | 26 | 23/ 36 |
| 70 | | 24/ | 28 3/ | 3025/ | 3022/ | 3820* | 2623/ | 3222/ | 3423/ | 2922/ | 3420/ | 2621/ | 3822/ | 35 | 22/ 38 |
| 71 | | 21/ | 4323/ | 4623/ | 5226/ | 4133/ | 3923/ | 29 3/ | 3522/ | 2834/ | 3126/ | 3519/ | 3820/ | 41 | 23/ 52 |
| 72 | | 21/ | 5122/ | 4623/ | 4425/ | 3926/ | 34 2/ | 26 2/ | 2922/ | 3026/ | 32 6/ | 2722* | 2123/ | 32 | 21/ 51 |
| 73 | | 20/ | 3423/ | 2723/ | 3125/ | 3524/ | 3524/ | 3628/ | 3124/ | 3422/ | 2820/ | 3019/ | 4122/ | 32 | 19/ 41 |
| 74 | | 22/ | 4424/ | 3122/ | 4124/ | 3426/ | 2924/ | 3123* | 28 6/ | 26 6/ | 3123/ | 2422/ | 3023/ | 38 | 22/ 44 |
| 75 | | 22/ | 4626/ | 3833/ | 3025/ | 2823/ | 3829/ | 3435/ | 2428/ | 24 7/ | 2421/ | 3119/ | 3921/ | 37 | 22/ 46 |
| | MEAN | | | | | | | | | | | | | | |
| | S D | | | | | | | | | | | | | | |
| | TOTAL OBS | | | | | | | | | | | | | | |

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

% (BASED ON LESS THAN FULL MONTHS AND +300 KNOTS)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

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

- *1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

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

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

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

*Values for means and standard deviations do not include measurements from incomplete months.

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES
 SNOW DEPTH

FROM DAILY OBSERVATIONS

727855
STATION

FAIRCHILD AFB WA
STATION NAME

43-85

YEARS

DAILY SNOW DEPTH IN INCHES

| YEAR | MONTH | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|-----------|-------|-------|-------|-------|-------|------|------|------|------|------|-------|-------|-------|------------|
| 73 | | 4 | 2 | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 5 | 8 |
| 74 | | 6 | 1 | TRACE | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 6 |
| 75 | | 12 | 24 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | TRACE | 3 | 5 | 24 |
| 76 | | 5 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | TRACE | 2 | 5 |
| 77 | | 5 | 1 | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 12 | 12 |
| 78 | | 17 | 12 | 1 | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 9 | 17 |
| 79 | | 14 | 14 | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 7 | 14 |
| 80 | | 10 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 10 |
| 81 | | 3 | 2 | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 6 |
| 82 | | 16 | 3 | TRACE | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 10 | 18 |
| 83 | | 8 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 11 | 11 |
| 84 | | 11 | 2 | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 13 | 13 |
| 85 | | 12 | 20 | 4 | 0 | 0 | | | | | | | | |
| | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| MEAN | | 10.0 | 7.7 | 2.0 | .2 | .0 | .0 | .0 | .0 | .0 | .2 | 2.4 | 7.3 | 13.6 |
| S D | | 8.444 | 9.653 | 2.626 | .645 | .000 | .000 | .000 | .000 | .000 | .830 | 2.620 | 5.582 | 9.216 |
| TOTAL OBS | | 1288 | 1154 | 1300 | 1260 | 1302 | 1230 | 1271 | 1271 | 1230 | 1271 | 1254 | 1262 | 15093 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | 1.2 | .8 | | | | | | | | | | 2.0 | 3.5 |
| NNE | 1.5 | 1.9 | 1.9 | .2 | .1 | | | | | | | 5.7 | 5.7 |
| NE | 2.6 | 2.7 | 2.2 | .2 | .4 | .2 | | | | | | 8.4 | 6.5 |
| ENE | 3.1 | 5.7 | 2.5 | .5 | | | | | | | | 11.7 | 5.4 |
| E | 1.4 | 1.8 | .5 | .1 | | | | | | | | 3.8 | 4.6 |
| ESE | 1.2 | .2 | .6 | | | | | | | | | 2.0 | 4.6 |
| SE | 1.1 | 1.2 | .6 | .2 | | | | | | | | 3.1 | 5.0 |
| SSE | 1.2 | 2.0 | 1.3 | .2 | .1 | | | | | | | 4.8 | 5.8 |
| S | 2.4 | 3.9 | 2.7 | 1.6 | .1 | | | | | | | 10.7 | 6.5 |
| SSW | 1.3 | 3.3 | 4.8 | 2.8 | .2 | | | | | | | 12.5 | 8.2 |
| SW | 1.4 | 2.2 | 3.2 | 2.2 | .5 | .8 | | | | | | 10.4 | 9.7 |
| WSW | .1 | .7 | .5 | .1 | .2 | | | | | | | 1.6 | 8.3 |
| W | .9 | .8 | .7 | | .1 | | | | | | | 2.6 | 5.3 |
| WNW | .2 | | | | | | | | | | | .2 | 2.0 |
| NW | .1 | .2 | .1 | | | | | | | | | .5 | 4.8 |
| NNW | .5 | .1 | | | | | | | | | | .6 | 3.4 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 19.6 | //// |
| TOTALS | 20.1 | 27.6 | 21.6 | 8.4 | 1.8 | 1.1 | | | | | | 100.0 | 5.3 |

TOTAL NUMBER OF OBSERVATIONS: 849

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: FEB HOURS(LST): 0600-0600

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .7 | .2 | | | | | | | | | | .9 | 2.4 |
| NNE | 2.8 | 3.1 | 1.2 | .2 | | .1 | | | | | | 7.4 | 4.9 |
| NE | 2.6 | 4.1 | 2.9 | .5 | .4 | .2 | | | | | | 10.7 | 6.3 |
| ENE | 2.9 | 4.2 | 4.2 | .5 | | | | | | | | 11.9 | 5.9 |
| E | 2.6 | 2.5 | .8 | | | | | | | | | 5.9 | 4.0 |
| ESE | .6 | .7 | .1 | | | | | | | | | 1.4 | 4.5 |
| SE | .9 | .6 | .6 | | | | | | | | | 2.1 | 4.6 |
| SSE | .5 | 1.4 | 1.3 | .4 | .1 | | | | | | | 3.7 | 7.2 |
| S | 2.0 | 4.2 | 4.4 | 1.5 | .1 | | | | | | | 12.2 | 6.9 |
| SSW | 2.1 | 2.6 | 5.1 | 2.9 | .2 | | | | | | | 13.0 | 7.9 |
| SW | .8 | 2.1 | 2.1 | 2.5 | .9 | .2 | | | | | | 8.7 | 9.9 |
| WSW | 1.2 | .6 | .7 | .6 | .1 | | | | | | | 3.2 | 6.3 |
| W | .5 | .7 | | | | | | | | | | 1.2 | 3.4 |
| WNW | .1 | | | | | | | | | | | .1 | 2.0 |
| NW | .1 | | | | | | | | | | | .1 | 3.0 |
| NNW | .5 | | | | | | | | | | | .5 | 3.0 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 17.0 | //// |
| TOTALS | 21.0 | 27.1 | 23.4 | 9.1 | 1.9 | .6 | | | | | | 100.0 | 5.4 |

TOTAL NUMBER OF OBSERVATIONS: 849

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .4 | .9 | .2 | | | | | | | | | 1.5 | 4.5 |
| NNE | 1.2 | 2.2 | .7 | .4 | .1 | | | | | | | 4.6 | 5.7 |
| NE | 2.4 | 2.9 | 3.9 | .7 | .4 | .1 | | | | | | 10.4 | 6.8 |
| ENE | 2.2 | 5.9 | 6.2 | 1.6 | | | | | | | | 16.0 | 6.8 |
| E | 2.6 | 3.7 | 1.2 | .2 | | | | | | | | 7.7 | 4.6 |
| ESE | .6 | .7 | .5 | .4 | | | | | | | | 2.1 | 6.1 |
| SE | .8 | .9 | .5 | .2 | | | | | | | | 2.5 | 5.3 |
| SSE | .5 | 1.1 | 1.8 | .2 | .4 | | | | | | | 3.9 | 7.8 |
| S | 1.6 | 3.8 | 4.8 | 1.8 | | | | | | | | 12.0 | 7.1 |
| SSW | 1.1 | 2.9 | 6.5 | 4.0 | .1 | | | | | | | 14.6 | 8.6 |
| SW | 1.3 | 1.6 | 3.5 | 3.5 | .9 | .4 | | | | | | 11.3 | 10.3 |
| WSW | .2 | .5 | .5 | .6 | .1 | | | | | | | 1.9 | 9.1 |
| W | .5 | .7 | .1 | .1 | | | | | | | | 1.4 | 4.4 |
| WNW | .2 | .2 | | | | | | | | | | .5 | 2.8 |
| NW | .5 | .1 | | | | | | | | | | .6 | 1.8 |
| NNW | | | | | | | | | | | | | |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 9.1 | //// |
| TOTALS | 16.0 | 28.3 | 30.4 | 13.8 | 2.0 | .5 | | | | | | 100.0 | 6.6 |

TOTAL NUMBER OF OBSERVATIONS: 849

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .6 | .5 | .2 | | | | | | | | | 1.3 | 4.3 |
| NNE | .7 | 1.9 | 1.5 | .2 | .1 | | | | | | | 4.5 | 6.4 |
| NE | 1.2 | 2.8 | 3.4 | 1.2 | .6 | .2 | .1 | | | | | 9.5 | 8.4 |
| ENE | 2.4 | 4.2 | 4.6 | .6 | .2 | | | | | | | 12.0 | 6.3 |
| E | 2.0 | 2.6 | 1.1 | .1 | .1 | | | | | | | 5.9 | 4.9 |
| ESE | 1.1 | .5 | .8 | | | | | | | | | 2.4 | 5.0 |
| SE | 1.8 | .9 | .7 | .4 | | | | | | | | 3.8 | 5.0 |
| SSF | .8 | 2.2 | 1.5 | .5 | .1 | | | | | | | 5.2 | 6.6 |
| S | 1.9 | 4.1 | 3.3 | 2.0 | | | | | | | | 11.3 | 7.1 |
| SSW | 1.2 | 1.9 | 4.2 | 4.0 | .2 | | | | | | | 11.5 | 9.0 |
| SW | .8 | 2.2 | 3.8 | 3.3 | 1.3 | .4 | | | | | | 11.8 | 10.5 |
| WSW | .9 | .8 | 1.9 | 2.1 | .8 | | | | | | | 6.6 | 9.9 |
| W | 1.5 | 1.5 | .9 | .4 | .2 | | | | | | | 4.6 | 6.0 |
| WNW | .6 | .4 | .1 | | | | | | | | | 1.1 | 3.8 |
| NW | .2 | .1 | .1 | | | | | | | | | .5 | 4.5 |
| NNW | .1 | .1 | | | | | | | | | | .2 | 4.5 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 7.9 | //// |
| TOTALS | 17.8 | 26.9 | 28.3 | 14.7 | 3.8 | .6 | .1 | | | | | 100.0 | 6.9 |

TOTAL NUMBER OF OBSERVATIONS: 849

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: FEB HOURS: 1500-1700

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .7 | 1.2 | .4 | | | | | | | | | 2.2 | 4.4 |
| NNE | 1.4 | 2.7 | 2.0 | .6 | | .1 | | | | | | 6.8 | 6.4 |
| NE | 1.6 | 3.8 | 3.5 | 1.1 | .7 | .2 | | | | | | 11.0 | 7.8 |
| ENE | 1.1 | 3.1 | 1.3 | .1 | .2 | | | | | | | 5.8 | 6.0 |
| E | 1.2 | 1.8 | .9 | | | | | | | | | 3.9 | 4.8 |
| ESE | .2 | .8 | .5 | | | | | | | | | 1.5 | 5.3 |
| SE | 1.2 | 1.4 | .5 | | | | | | | | | 3.1 | 4.6 |
| SSE | 1.6 | 1.6 | 1.9 | .1 | | | | | | | | 5.3 | 5.1 |
| S | 1.4 | 2.7 | 2.4 | 1.1 | .1 | | | | | | | 7.7 | 6.8 |
| SSW | 2.5 | 1.9 | 3.1 | 2.9 | .4 | .1 | | | | | | 10.8 | 8.4 |
| SW | 2.1 | 2.5 | 4.8 | 2.5 | 1.2 | .1 | | | | | | 13.2 | 8.8 |
| WSW | 1.1 | 1.5 | 2.5 | 1.1 | .5 | | | | | | | 6.6 | 8.1 |
| W | 1.1 | 2.2 | 1.8 | .7 | .4 | | | | | | | 6.1 | 7.2 |
| WNW | .7 | .1 | .5 | | | | | | | | | 1.3 | 4.5 |
| NW | .9 | .1 | .1 | | | | | | | | | 1.2 | 3.0 |
| NNW | .7 | | .4 | | | | | | | | | 1.1 | 4.0 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 12.5 | //// |
| TOTALS | 19.6 | 27.4 | 26.4 | 10.1 | 3.4 | .6 | | | | | | 100.0 | 6.1 |

TOTAL NUMBER OF OBSERVATIONS: 849

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: FEB HOURS(LST): 1800-2000

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | 1.4 | .9 | .7 | | | | | | | | | 3.1 | 4.2 |
| NNE | 2.1 | 3.4 | 1.8 | .6 | | | | | | | | 7.9 | 5.6 |
| NE | 1.9 | 3.4 | 2.4 | 1.3 | .2 | .4 | .1 | | | | | 9.7 | 7.6 |
| ENE | 2.2 | 3.2 | 1.1 | | | | | | | | | 6.5 | 4.6 |
| E | .8 | 2.5 | .4 | | | | | | | | | 3.7 | 4.3 |
| ESE | .9 | .1 | .1 | | | | | | | | | 1.2 | 3.0 |
| SE | 1.1 | 1.1 | .1 | | | | | | | | | 2.2 | 3.6 |
| SSE | .9 | 1.2 | .6 | .1 | | | | | | | | 2.8 | 4.6 |
| S | 1.5 | 4.2 | 2.6 | .8 | | | | | | | | 9.2 | 6.1 |
| SSW | 1.8 | 3.1 | 2.8 | 2.8 | .2 | .1 | | | | | | 10.8 | 7.8 |
| SW | 1.8 | 2.5 | 3.1 | 2.1 | 1.2 | .1 | | | | | | 10.7 | 8.9 |
| WSW | 1.2 | 1.3 | 1.1 | .5 | .4 | | | | | | | 4.4 | 6.9 |
| W | 1.6 | 1.2 | .1 | .6 | | | | | | | | 3.5 | 4.9 |
| WNW | .9 | .7 | .1 | | | | | | | | | 1.8 | 3.5 |
| NW | .4 | .1 | | .1 | | | | | | | | .6 | 5.2 |
| NNW | .9 | .2 | .1 | | | | | | | | | 1.3 | 3.4 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 20.7 | //// |
| TOTALS | 21.6 | 29.1 | 17.0 | 9.0 | 2.0 | .6 | .1 | | | | | 100.0 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS: 849

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: FEB HOURS(LST): 2100-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | 1.2 | .8 | .2 | | | | | | | | | 2.2 | 3.7 |
| NNE | 2.7 | 2.7 | 2.0 | .8 | .1 | .1 | | | | | | 8.5 | 5.9 |
| NE | 1.3 | 2.4 | 2.4 | .6 | .5 | | | | | | | 7.1 | 7.1 |
| ENE | 2.2 | 3.5 | 3.1 | .1 | | | | | | | | 9.0 | 5.4 |
| E | 2.2 | 1.6 | .2 | .1 | | | | | | | | 4.2 | 3.7 |
| ESE | .4 | .2 | .2 | | | | | | | | | .8 | 4.3 |
| SE | 1.1 | .5 | | | | | | | | | | 1.5 | 2.8 |
| SSE | .8 | 1.8 | .8 | .2 | | | | | | | | 3.7 | 5.4 |
| S | 2.7 | 4.6 | 3.5 | .7 | | | | | | | | 11.5 | 5.8 |
| SSW | 1.8 | 3.9 | 4.0 | 2.2 | .5 | | | | | | | 12.4 | 7.8 |
| SW | 1.3 | 1.5 | 2.0 | 2.1 | .5 | .2 | .2 | | | | | 7.9 | 9.7 |
| WSW | 1.1 | .8 | .9 | .6 | .2 | .1 | | | | | | 3.8 | 7.6 |
| W | 1.3 | 1.2 | .2 | .1 | | | | | | | | 2.8 | 4.0 |
| WNW | .6 | .7 | | .4 | | | | | | | | 1.6 | 5.5 |
| NW | .4 | | .1 | | | | | | | | | .5 | 3.8 |
| NNW | .1 | .7 | .1 | | | | | | | | | .9 | 4.9 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 21.6 | //// |
| TOTALS | 21.1 | 27.0 | 19.9 | 8.0 | 1.8 | .5 | .2 | | | | | 100.0 | 4.9 |

TOTAL NUMBER OF OBSERVATIONS: 849

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: FEB HOURS(1ST): ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .8 | .8 | .2 | | | | | | | | | 1.8 | 4.0 |
| NNE | 1.8 | 2.5 | 1.6 | .4 | .1 | .0 | | | | | | 6.3 | 5.7 |
| NE | 2.0 | 3.1 | 2.9 | .8 | .4 | .2 | .0 | | | | | 9.4 | 7.2 |
| ENE | 2.3 | 4.4 | 3.2 | .5 | .1 | | | | | | | 10.5 | 5.8 |
| E | 1.8 | 2.2 | .7 | .1 | .0 | | | | | | | 4.8 | 4.4 |
| ESE | .8 | .5 | .4 | .1 | | | | | | | | 1.8 | 4.8 |
| SE | 1.1 | .9 | .4 | .1 | | | | | | | | 2.6 | 4.7 |
| SSE | .9 | 1.7 | 1.2 | .2 | .1 | | | | | | | 4.1 | 6.0 |
| S | 2.1 | 4.1 | 3.4 | 1.3 | .1 | | | | | | | 10.9 | 6.5 |
| SSW | 1.6 | 2.8 | 4.3 | 3.2 | .3 | .0 | | | | | | 12.3 | 8.3 |
| SW | 1.3 | 2.0 | 3.1 | 2.6 | .9 | .3 | .0 | | | | | 10.3 | 9.7 |
| WSW | .9 | .9 | 1.1 | .7 | .3 | .0 | | | | | | 3.9 | 8.0 |
| W | 1.1 | 1.2 | .5 | .3 | .1 | | | | | | | 3.2 | 5.5 |
| WNW | .5 | .3 | .1 | .1 | | | | | | | | .9 | 4.1 |
| NW | .4 | .1 | .1 | .0 | | | | | | | | .5 | 3.6 |
| NNW | .4 | .2 | .1 | | | | | | | | | .7 | 3.8 |
| VARIABLE | //////////////////////////////////// | | | | | | | | | | | 16.0 | //// |
| TOTALS | 19.7 | 27.7 | 23.4 | 10.3 | 2.3 | .6 | .1 | | | | | 100.0 | 5.7 |

TOTAL NUMBER OF OBSERVATIONS: 6792

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: MAR HOURS(LST): 0000-0200

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .2 | 1.1 | .3 | | | | | | | | | 1.6 | 5.3 |
| NNE | 2.8 | 1.1 | 1.7 | 1.1 | | | | | | | | 6.7 | 5.8 |
| NE | 3.1 | 1.4 | 1.4 | .4 | | | | | | | | 6.3 | 5.0 |
| ENE | 1.5 | 3.1 | 1.1 | .1 | | | | | | | | 5.8 | 5.2 |
| E | 1.5 | 1.3 | .2 | | | | | | | | | 3.0 | 3.4 |
| ESE | 1.1 | .5 | .1 | .1 | | | | | | | | 1.8 | 3.9 |
| SE | 1.5 | .6 | .2 | | | | | | | | | 2.4 | 3.0 |
| SSE | 1.8 | .9 | .3 | .1 | | | | | | | | 3.1 | 3.8 |
| S | 4.0 | 3.9 | 1.8 | .2 | .1 | | | | | | | 10.0 | 4.8 |
| SSW | 1.8 | 3.9 | 5.7 | 1.3 | .2 | .1 | | | | | | 13.0 | 7.2 |
| SW | 2.0 | 2.2 | 3.0 | .9 | .1 | | | | | | | 8.2 | 6.8 |
| WSW | 1.4 | 1.2 | .4 | .4 | | | | | | | | 3.4 | 5.3 |
| W | 1.1 | 1.5 | .8 | .2 | | | | | | | | 3.5 | 5.4 |
| WNW | 1.0 | 1.6 | .2 | .1 | | | | | | | | 2.9 | 4.1 |
| NW | .6 | .3 | .1 | | | | | | | | | 1.1 | 3.6 |
| NNW | .2 | 1.0 | .1 | | | | | | | | | 1.3 | 4.6 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 25.8 | //// |
| TOTALS | 25.7 | 25.5 | 17.5 | 4.9 | .4 | .1 | | | | | | 100.0 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 ATM WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB MA

PERIOD OF RECORD: 76-85
 MONTH: MAR HOURS(LST): 0300-0500

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | 1.1 | 1.1 | .1 | | | | | | | | | 2.3 | 3.9 |
| NNE | 3.3 | 1.7 | 2.2 | .6 | .2 | | | | | | | 8.1 | 5.6 |
| NE | 2.0 | 2.0 | 1.5 | .5 | | | | | | | | 6.1 | 5.4 |
| ENE | 3.2 | 3.4 | 1.1 | | | | | | | | | 7.7 | 4.2 |
| E | 1.6 | 1.5 | .1 | | | | | | | | | 3.2 | 3.6 |
| ESE | .9 | .5 | .1 | | | | | | | | | 1.5 | 3.5 |
| SE | 1.2 | .3 | .1 | | | | | | | | | 1.6 | 2.9 |
| SSE | 1.5 | 1.3 | 1.1 | | | | | | | | | 3.9 | 5.0 |
| S | 3.5 | 4.2 | 2.4 | | | | | | | | | 10.1 | 4.7 |
| SSW | 1.6 | 6.0 | 4.5 | 1.5 | .1 | .1 | | | | | | 13.9 | 6.9 |
| SW | .5 | 1.6 | 3.9 | 2.7 | .3 | | | | | | | 9.0 | 9.5 |
| WSW | .6 | .9 | .4 | .1 | | | | | | | | 2.0 | 5.4 |
| W | 1.4 | 1.9 | .3 | | | | | | | | | 3.7 | 3.9 |
| WNW | .5 | .6 | .3 | .1 | | | | | | | | 1.6 | 5.1 |
| NW | .2 | .4 | .2 | | | | | | | | | .9 | 4.9 |
| NNW | .1 | .6 | .1 | | | | | | | | | .9 | 4.4 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 23.5 | //// |
| TOTALS | 23.4 | 28.3 | 18.4 | 5.6 | .6 | .1 | | | | | | 100.0 | 4.3 |

TOTAL NUMBER OF OBSERVATIONS: 930

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: MAR HOURS(LST): 0600-0800

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | 1.0 | .5 | .3 | .1 | | | | | | | | 1.9 | 4.6 |
| NNE | 1.1 | 1.1 | 2.2 | 1.0 | .4 | | | | | | | 5.7 | 8.2 |
| NE | 2.0 | 2.6 | 1.4 | 1.2 | | | | | | | | 7.2 | 5.8 |
| ENE | 3.8 | 5.3 | 2.9 | .2 | | | | | | | | 12.2 | 5.0 |
| E | 2.2 | 1.1 | 1.0 | | | | | | | | | 4.2 | 4.3 |
| ESE | 1.1 | .5 | .1 | | | | | | | | | 1.7 | 3.4 |
| SE | 1.3 | 1.3 | .2 | | | | | | | | | 2.8 | 3.7 |
| SSE | 1.2 | 2.3 | .4 | .3 | | | | | | | | 4.2 | 4.8 |
| S | 2.5 | 5.6 | 2.3 | .3 | | | | | | | | 10.6 | 5.1 |
| SSW | 1.2 | 4.9 | 6.0 | 2.3 | | .1 | | | | | | 14.5 | 7.7 |
| SW | .4 | 1.5 | 3.4 | 1.6 | .2 | .2 | | | | | | 7.4 | 9.3 |
| WSW | .2 | 1.0 | .8 | .8 | .1 | | | | | | | 2.8 | 8.7 |
| W | 1.5 | 1.0 | .3 | .1 | | | | | | | | 2.9 | 4.4 |
| WNW | 1.0 | .6 | | | | | | | | | | 1.6 | 3.2 |
| NW | .6 | .3 | | | | | | | | | | 1.0 | 3.1 |
| NNW | .2 | .3 | .2 | | | | | | | | | .8 | 5.1 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 18.5 | //// |
| TOTALS | 21.2 | 29.9 | 21.5 | 7.8 | .8 | .3 | | | | | | 100.0 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: MAR HOURS(LST): 0900-1100

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | 1.0 | .6 | .2 | .1 | .1 | | | | | | | 2.0 | 5.1 |
| NNE | 1.2 | 1.8 | 1.6 | 1.3 | .1 | .2 | | | | | | 6.2 | 7.8 |
| NE | .3 | 2.9 | 3.1 | 1.6 | .6 | | | | | | | 8.6 | 8.6 |
| ENE | .8 | 3.5 | 4.1 | 1.1 | .2 | | | | | | | 9.7 | 7.4 |
| E | 2.7 | 3.2 | 1.0 | .3 | | | | | | | | 7.2 | 4.6 |
| ESE | .6 | .8 | .6 | .4 | | | | | | | | 2.5 | 6.4 |
| SE | 1.5 | 1.2 | .4 | | | | | | | | | 3.1 | 4.3 |
| SSE | 1.0 | 1.7 | 1.7 | .3 | | | | | | | | 4.7 | 6.1 |
| S | 3.3 | 5.3 | 3.2 | 1.3 | | | | | | | | 13.1 | 5.9 |
| SSW | 1.6 | 5.3 | 4.7 | 3.3 | | .1 | | | | | | 15.1 | 7.7 |
| SW | .6 | 2.2 | 5.1 | 3.8 | .8 | .3 | | | | | | 12.7 | 9.9 |
| WSW | .1 | 1.6 | 1.8 | 1.3 | | | | | | | | 4.8 | 8.6 |
| W | .9 | .8 | .5 | .6 | .2 | | | | | | | 3.0 | 7.4 |
| WNW | .2 | .2 | .5 | .1 | | | | | | | | 1.1 | 6.4 |
| NW | .3 | .1 | | .1 | | | | | | | | .5 | 5.0 |
| NNW | .2 | .2 | .5 | | | | | | | | | 1.0 | 5.6 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 4.6 | //// |
| TOTALS | 16.3 | 31.4 | 29.2 | 15.7 | 2.0 | .6 | | | | | | 100.0 | 6.9 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: MAR HOURS (LST): 1200-1400

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | 1.1 | .8 | .5 | .2 | | | | | | | | 2.6 | 5.0 |
| NNE | .6 | 1.0 | 1.1 | .8 | .2 | .3 | | | | | | 4.0 | 9.4 |
| NE | 1.0 | 2.4 | 2.6 | 1.4 | .1 | .1 | | | | | | 7.5 | 7.7 |
| ENE | .6 | 1.8 | 1.3 | .6 | .2 | | | | | | | 4.6 | 7.6 |
| E | 1.1 | 1.5 | 1.0 | .4 | | | | | | | | 4.0 | 6.1 |
| ESE | .5 | 1.1 | .3 | .2 | | | | | | | | 2.2 | 5.7 |
| SE | 1.0 | 1.3 | .3 | .1 | | | | | | | | 2.7 | 4.7 |
| SSE | .8 | 1.9 | 1.5 | .3 | | | | | | | | 4.5 | 6.2 |
| S | 2.0 | 3.5 | 3.4 | 1.1 | | | | | | | | 10.1 | 6.4 |
| SSW | 1.5 | 3.5 | 5.1 | 3.0 | .2 | .1 | | | | | | 13.4 | 8.1 |
| SW | 1.1 | 3.0 | 6.3 | 4.2 | 1.2 | .2 | | | | | | 16.0 | 9.7 |
| WSW | 1.6 | 1.6 | 3.1 | 3.0 | .3 | .2 | | | | | | 9.9 | 9.0 |
| W | 1.0 | 2.6 | 2.7 | 2.0 | | .1 | .1 | | | | | 8.5 | 8.3 |
| WNW | .3 | 1.0 | .9 | .4 | | | | | | | | 2.6 | 7.1 |
| NW | .4 | .4 | .1 | | | | | | | | | 1.0 | 4.6 |
| NNW | .5 | .2 | .2 | | | | | | | | | 1.0 | 4.1 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 5.5 | //// |
| TOTALS | 15.2 | 27.6 | 30.4 | 17.8 | 2.3 | 1.1 | .1 | | | | | 100.0 | 7.4 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | 1.2 | 1.0 | .3 | .1 | | | | | | | | 2.6 | 4.8 |
| NNE | 1.3 | 1.6 | 2.2 | .8 | | | | | | | | 5.8 | 6.5 |
| NE | .5 | 1.2 | 1.8 | 1.7 | .3 | | | | | | | 5.6 | 9.0 |
| ENE | .4 | .5 | 1.5 | 1.0 | .1 | | | | | | | 3.5 | 9.0 |
| E | .2 | .9 | .5 | .2 | | | | | | | | 1.8 | 6.7 |
| ESE | .3 | .3 | .3 | | | | | | | | | 1.0 | 5.2 |
| SE | .5 | .9 | .2 | | | | | | | | | 1.6 | 4.5 |
| SSE | 1.1 | 1.3 | 1.2 | .1 | .1 | | | | | | | 3.8 | 5.9 |
| S | 1.9 | 3.4 | 3.3 | .5 | | | | | | | | 9.2 | 6.1 |
| SSW | 1.1 | 3.3 | 4.9 | 1.1 | .2 | | | | | | | 10.6 | 7.5 |
| SW | 1.5 | 3.3 | 6.0 | 3.2 | .5 | .2 | | | | | | 14.8 | 8.7 |
| MSW | .4 | 2.5 | 5.5 | 3.3 | | .1 | | | | | | 11.8 | 8.8 |
| W | 2.3 | 4.8 | 3.1 | 2.8 | .4 | .1 | | | | | | 13.5 | 7.6 |
| WNW | 1.1 | 1.0 | .4 | .1 | | | | | | | | 2.6 | 5.0 |
| NW | .4 | 1.3 | .4 | .3 | | | | | | | | 2.5 | 6.3 |
| NNW | .5 | .4 | .2 | | | | | | | | | 1.2 | 4.5 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 8.0 | //// |
| TOTALS | 14.8 | 27.7 | 32.0 | 15.3 | 1.7 | .4 | | | | | | 100.0 | 6.9 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .1 | 1.0 | | | | | | | | | | 1.1 | 4.6 |
| NNE | 1.5 | 2.0 | .5 | .1 | | | | | | | | 4.1 | 4.4 |
| NF | 2.9 | 1.7 | .4 | | | | | | | | | 5.1 | 3.6 |
| ENE | 3.6 | 2.2 | .7 | | | | | | | | | 6.4 | 3.6 |
| E | 2.1 | 2.1 | | | | | | | | | | 4.1 | 3.3 |
| ESE | 1.0 | .2 | .1 | | | | | | | | | 1.3 | 3.1 |
| SE | 1.2 | | | | | | | | | | | 1.2 | 2.2 |
| SSE | 2.3 | .9 | .3 | | | | | | | | | 3.5 | 3.2 |
| S | 3.6 | 5.7 | 2.5 | .3 | | | | | | | | 12.1 | 4.9 |
| SSW | 2.6 | 4.9 | 8.0 | 2.2 | | | | | | | | 17.7 | 7.1 |
| SW | 1.2 | 2.1 | 3.9 | .4 | | | | | | | | 7.6 | 6.9 |
| WSW | .9 | 1.1 | 1.0 | .3 | | | | | | | | 3.3 | 6.1 |
| W | 1.5 | 1.3 | .3 | | | | | | | | | 3.1 | 3.9 |
| WNW | .7 | .2 | .2 | | | | | | | | | 1.1 | 4.1 |
| NW | .2 | .2 | | | | | | | | | | .4 | 3.3 |
| NNW | .3 | .2 | | | | | | | | | | .5 | 3.4 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 27.4 | //// |
| TOTALS | 25.6 | 25.7 | 18.0 | 3.4 | | | | | | | | 100.0 | 3.7 |

TOTAL NUMBER OF OBSERVATIONS: 923

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: MAY HOURS(LST): 0000-0200

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .8 | 1.0 | .3 | | | | | | | | | 2.1 | 4.2 |
| NNE | 1.5 | 1.9 | .4 | | | | | | | | | 3.8 | 4.1 |
| NE | 1.6 | .9 | .2 | .1 | | | | | | | | 2.8 | 3.7 |
| ENE | 1.9 | 2.2 | | | | | | | | | | 4.0 | 3.3 |
| E | 1.5 | 1.0 | .2 | | | | | | | | | 2.7 | 3.6 |
| ESE | 1.3 | .3 | | | | | | | | | | 1.6 | 2.7 |
| SE | 1.2 | .5 | | | | | | | | | | 1.7 | 2.6 |
| SSF | 2.2 | 1.1 | .1 | | | | | | | | | 3.4 | 3.4 |
| S | 3.2 | 3.4 | 2.4 | .3 | | | | | | | | 9.3 | 5.0 |
| SSW | 2.8 | 5.0 | 4.9 | 1.7 | .1 | | | | | | | 14.6 | 6.6 |
| SW | 2.2 | 3.1 | 2.8 | .8 | | | | | | | | 8.8 | 6.1 |
| WSW | 2.1 | 1.7 | 2.1 | .2 | | | | | | | | 6.1 | 5.4 |
| W | 2.5 | 3.1 | .8 | .3 | | | | | | | | 6.7 | 4.5 |
| WNW | 1.2 | 1.5 | .3 | .1 | | | | | | | | 3.2 | 4.7 |
| NW | .2 | .5 | .1 | | | | | | | | | .9 | 4.3 |
| NNW | .3 | .2 | | | | | | | | | | .5 | 2.8 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 27.6 | //// |
| TOTALS | 26.5 | 27.4 | 14.7 | 3.6 | .1 | | | | | | | 100.0 | 3.6 |

TOTAL NUMBER OF OBSERVATIONS: 916

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/HAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: APR HOURS(EST): ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .7 | .7 | .4 | .1 | | | | | | | | 1.9 | 5.4 |
| NNE | 1.2 | 1.7 | 1.0 | .7 | .1 | | | | | | | 4.7 | 6.6 |
| NE | 1.4 | 2.4 | 2.1 | .6 | .1 | | | | | | | 6.7 | 6.4 |
| ENE | 1.6 | 2.7 | 2.5 | .6 | .1 | | | | | | | 7.5 | 6.3 |
| E | 1.2 | 1.5 | .8 | .2 | .0 | .0 | | | | | | 3.8 | 5.3 |
| ESE | .6 | .6 | .2 | .0 | | .0 | | | | | | 1.5 | 4.5 |
| SE | 1.1 | .7 | .2 | .0 | | | | | | | | 1.9 | 3.6 |
| SSE | 1.0 | 1.1 | .5 | .1 | | | | | | | | 2.7 | 4.9 |
| S | 2.4 | 4.1 | 3.0 | .3 | .0 | | | | | | | 9.9 | 5.6 |
| SSW | 2.3 | 4.8 | 6.6 | 1.8 | .1 | .0 | | | | | | 15.7 | 7.1 |
| SW | 1.5 | 3.3 | 5.2 | 3.0 | .6 | .1 | | | | | | 13.7 | 8.5 |
| WSW | 1.1 | 1.7 | 2.3 | 1.6 | .3 | .2 | .0 | | | | | 7.1 | 8.7 |
| W | 1.5 | 1.7 | 1.6 | 1.2 | .3 | .0 | | | | | | 6.3 | 7.5 |
| MNW | .5 | .9 | .3 | .1 | .0 | .0 | | | | | | 1.8 | 5.6 |
| NW | .3 | .3 | .2 | .0 | .0 | | | | | | | .9 | 5.5 |
| NNW | .5 | .4 | .2 | .0 | | | | | | | | 1.2 | 4.9 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 12.7 | //// |
| TOTALS | 18.8 | 28.6 | 27.2 | 10.5 | 1.8 | .4 | .0 | | | | | 100.0 | 5.9 |

TOTAL NUMBER OF OBSERVATIONS: 7230

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: APR HOURS(LST): 2100-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-----|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | | |
| N | .3 | 1.2 | | | | | | | | | | | 1.6 | 4.4 |
| NNE | 1.7 | 1.7 | 1.0 | .3 | .1 | | | | | | | | 4.8 | 5.7 |
| NE | 1.4 | 3.1 | 1.4 | .6 | | | | | | | | | 6.6 | 5.7 |
| ENE | 1.1 | 1.8 | 2.0 | .1 | | | | | | | | | 5.0 | 5.7 |
| E | .8 | .3 | .2 | | | | | | | | | | 1.3 | 3.5 |
| ESE | .2 | .3 | .2 | .1 | | | | | | | | | .9 | 6.0 |
| SE | 1.0 | .2 | | | | | | | | | | | 1.2 | 2.5 |
| SSW | 1.2 | .3 | .2 | | | | | | | | | | 1.8 | 3.6 |
| S | 3.1 | 3.2 | 2.4 | .2 | | | | | | | | | 9.0 | 5.1 |
| SSW | 3.4 | 5.0 | 3.2 | .6 | | | | | | | | | 12.2 | 5.5 |
| SW | 2.6 | 3.1 | 3.1 | 1.8 | | .1 | | | | | | | 10.7 | 6.7 |
| WSW | 1.6 | 2.3 | 2.8 | 1.4 | .1 | | | | | | | | 8.2 | 7.2 |
| W | 3.1 | 2.4 | 2.3 | 1.0 | .1 | | | | | | | | 9.0 | 5.9 |
| WNW | .9 | 1.3 | .2 | | .1 | | | | | | | | 2.6 | 4.8 |
| NW | .4 | .2 | | | | | | | | | | | .7 | 3.3 |
| NNW | .7 | .4 | | | | | | | | | | | 1.1 | 3.6 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 23.4 | //// | |
| TOTALS | 23.6 | 27.1 | 19.2 | 6.1 | .4 | .1 | | | | | | | 100.0 | 4.3 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: APR HOURS(LST): 1800-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .4 | 1.4 | .1 | .2 | | | | | | | | 2.2 | 5.3 |
| NNE | 1.1 | 2.7 | 1.6 | .4 | .3 | | | | | | | 6.1 | 6.8 |
| NE | .3 | 2.1 | 2.2 | .2 | .2 | | | | | | | 5.1 | 7.0 |
| ENE | .6 | 2.7 | 1.6 | | .1 | | | | | | | 4.9 | 5.8 |
| E | .4 | .9 | .6 | .3 | .1 | | | | | | | 2.3 | 7.1 |
| ESE | .7 | .3 | | | | | | | | | | 1.0 | 2.7 |
| SE | .9 | .2 | | | | | | | | | | 1.1 | 1.9 |
| SSE | 1.4 | .8 | .2 | .2 | | | | | | | | 2.7 | 4.4 |
| S | 4.6 | 3.1 | 1.3 | .2 | | | | | | | | 9.2 | 4.3 |
| SSW | 5.0 | 3.6 | 2.9 | .8 | | | | | | | | 12.2 | 5.1 |
| SW | 2.8 | 5.4 | 3.2 | 1.8 | .3 | | | | | | | 13.6 | 6.5 |
| WSW | 2.4 | 2.4 | 2.9 | 1.9 | .2 | | | | | | | 9.9 | 7.1 |
| W | 2.8 | 2.4 | 1.7 | 1.0 | .6 | .1 | | | | | | 8.6 | 6.7 |
| WNW | .6 | .9 | .3 | .2 | | | | | | | | 2.0 | 5.6 |
| NW | .6 | .4 | .3 | .1 | | | | | | | | 1.4 | 5.2 |
| NNW | .7 | .3 | .6 | | | | | | | | | 1.6 | 5.1 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 16.1 | //// |
| TOTALS | 25.2 | 29.8 | 19.4 | 7.0 | 1.9 | .1 | | | | | | 100.0 | 4.9 |

TOTAL NUMBER OF OBSERVATIONS: 930

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: APR HOURS(LST): 1500-1700

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .8 | .4 | 1.0 | .1 | | | | | | | | 2.3 | 6.0 |
| NNE | .7 | 1.3 | 1.4 | 1.1 | .1 | | | | | | | 4.7 | 8.2 |
| NE | .7 | 1.2 | 2.1 | .4 | .1 | | | | | | | 4.6 | 7.2 |
| ENE | .4 | 1.0 | 1.0 | .9 | | | | | | | | 3.3 | 8.1 |
| E | .9 | 1.2 | 1.0 | .2 | .2 | .1 | | | | | | 3.7 | 7.4 |
| ESE | .8 | .3 | .3 | .1 | | | | | | | | 1.6 | 4.4 |
| SE | .7 | .4 | | | | | | | | | | 1.1 | 3.0 |
| SSE | .6 | .7 | .6 | | | | | | | | | 1.8 | 5.3 |
| S | 2.1 | 2.9 | 2.3 | .7 | .1 | | | | | | | 8.1 | 6.0 |
| SSW | 1.8 | 4.9 | 7.1 | 2.7 | .3 | .1 | | | | | | 16.9 | 7.9 |
| SW | 1.4 | 4.4 | 5.4 | 4.1 | .9 | | | | | | | 16.3 | 8.7 |
| WSW | 1.3 | 2.9 | 4.2 | 2.8 | 1.0 | .6 | | | | | | 12.8 | 9.7 |
| W | 1.4 | 2.2 | 3.6 | 3.3 | .8 | .2 | | | | | | 11.6 | 9.6 |
| WNW | 1.0 | 1.4 | .4 | .1 | .1 | .1 | | | | | | 3.2 | 6.0 |
| NW | | .6 | .4 | .2 | | | | | | | | 1.2 | 7.6 |
| NNW | .3 | .2 | .8 | .2 | | | | | | | | 1.6 | 7.4 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 5.3 | //// |
| TOTALS | 14.9 | 26.2 | 31.8 | 17.0 | 3.7 | 1.1 | | | | | | 100.0 | 7.6 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: APR HOURS(IST): 1200-1400

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-66 |
| N | .8 | 1.1 | .4 | .3 | | | | | | | | 2.7 | 6.1 |
| NNE | 1.0 | .4 | 1.0 | 1.0 | .3 | | | | | | | 3.8 | 8.6 |
| NE | .7 | 1.7 | 2.2 | 1.0 | .1 | | | | | | | 5.7 | 7.7 |
| ENE | 1.0 | 1.3 | 1.8 | .6 | .4 | | | | | | | 5.1 | 7.6 |
| E | 1.3 | 2.0 | .7 | .1 | | | | | | | | 4.1 | 4.6 |
| ESE | .2 | 1.3 | .6 | .1 | | | | | | | | 2.2 | 6.0 |
| SE | .9 | .9 | .4 | .1 | | | | | | | | 2.3 | 4.8 |
| SSE | .6 | .9 | .6 | .2 | | | | | | | | 2.2 | 5.9 |
| S | 1.1 | 3.1 | 4.6 | .7 | .1 | | | | | | | 9.6 | 7.0 |
| SSW | 1.7 | 3.1 | 7.9 | 2.8 | .2 | | | | | | | 15.7 | 8.2 |
| SW | .7 | 3.0 | 8.0 | 5.4 | 1.2 | .2 | | | | | | 18.6 | 10.1 |
| WSW | 1.1 | 1.6 | 3.1 | 3.1 | .9 | .2 | .1 | | | | | 10.1 | 10.4 |
| W | 1.1 | 2.2 | 2.0 | 2.4 | .7 | | | | | | | 8.4 | 8.9 |
| WNW | .3 | .8 | .2 | .4 | | | | | | | | 1.8 | 6.9 |
| NW | .2 | .4 | .8 | | | | | | | | | 1.4 | 6.3 |
| NNW | .6 | .4 | .2 | | | | | | | | | 1.2 | 4.6 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 5.1 | //// |
| TOTALS | 13.2 | 24.3 | 34.4 | 18.3 | 4.0 | .4 | .1 | | | | | 100.0 | 7.8 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFLTAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: APR HOURS(LST): 0900-1100

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .4 | .1 | .8 | .2 | | | | | | | | 1.6 | 7.2 |
| NNE | .7 | 1.8 | .6 | .6 | | | | | | | | 3.6 | 6.2 |
| NE | 1.2 | 2.4 | 2.7 | 1.9 | .3 | | | | | | | 8.6 | 7.9 |
| ENE | .9 | 1.8 | 4.7 | 1.9 | .1 | | | | | | | 9.3 | 8.4 |
| E | 1.0 | 2.9 | 2.4 | .3 | | | | | | | | 6.7 | 6.1 |
| ESE | 1.2 | 1.1 | .4 | | | .1 | | | | | | 2.9 | 5.0 |
| SE | 1.2 | 1.8 | .7 | | | | | | | | | 3.7 | 4.8 |
| SSE | .4 | 2.1 | 1.6 | .4 | | | | | | | | 4.6 | 6.7 |
| S | 1.4 | 3.4 | 4.6 | .7 | | | | | | | | 10.1 | 6.7 |
| SSW | .9 | 3.2 | 8.1 | 2.6 | .1 | | | | | | | 14.9 | 8.3 |
| SW | 1.0 | 3.1 | 7.9 | 5.0 | 1.1 | .2 | | | | | | 18.3 | 9.8 |
| WSW | .4 | 1.0 | 3.0 | 1.3 | .1 | .3 | | | | | | 6.2 | 9.6 |
| W | .4 | .7 | 1.4 | .9 | .1 | | | | | | | 3.6 | 8.7 |
| WNW | .6 | .3 | .2 | .2 | | | | | | | | 1.3 | 5.4 |
| NW | .2 | .1 | .1 | | | | | | | | | .4 | 3.8 |
| NNW | .1 | .3 | | | | | | | | | | .4 | 3.8 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 3.9 | //// |
| TOTALS | 12.2 | 26.2 | 39.1 | 16.0 | 1.9 | .7 | | | | | | 100.0 | 7.5 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: APR HOURS(LST): 0600-0800

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-66 |
| N | .7 | .6 | .3 | | | | | | | | | 1.6 | 4.4 |
| NNE | .8 | 1.4 | 1.0 | .7 | .1 | | | | | | | 4.0 | 6.8 |
| NE | 1.9 | 3.1 | 3.9 | .7 | .1 | | | | | | | 9.7 | 6.5 |
| ENE | 2.4 | 5.4 | 4.3 | .9 | .1 | | | | | | | 13.2 | 6.3 |
| E | 2.6 | 2.9 | 1.2 | | | | | | | | | 6.7 | 4.3 |
| ESE | .8 | .4 | | | | | | | | | | 1.2 | 3.1 |
| SE | 1.1 | 1.1 | | | | | | | | | | 2.2 | 3.3 |
| SSE | 1.3 | 1.6 | .8 | .1 | | | | | | | | 3.8 | 4.5 |
| S | 2.4 | 7.6 | 3.7 | .1 | | | | | | | | 13.8 | 5.4 |
| SSW | 1.4 | 5.8 | 8.3 | 2.7 | .1 | | | | | | | 18.3 | 7.6 |
| SW | .8 | 2.1 | 4.9 | 2.4 | .7 | .1 | | | | | | 11.0 | 9.2 |
| WSW | .4 | 1.1 | .4 | .9 | .3 | | | | | | | 3.2 | 8.7 |
| W | .4 | .6 | .3 | .2 | .1 | | | | | | | 1.7 | 6.5 |
| WNW | | .4 | | | | | | | | | | .4 | 5.0 |
| NW | .3 | .1 | | | .1 | | | | | | | .6 | 6.2 |
| NNW | .4 | .2 | .1 | .1 | | | | | | | | .9 | 4.4 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 7.8 | //// |
| TOTALS | 17.9 | 34.4 | 29.3 | 8.8 | 1.7 | .1 | | | | | | 100.0 | 6.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 721655 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: APR HOURS(LST): 0300-0500

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .9 | .4 | .2 | | | | | | | | | 1.6 | 4.0 |
| NNE | 2.2 | 1.8 | .2 | 1.1 | | | | | | | | 5.3 | 5.3 |
| NE | 3.7 | 3.4 | .9 | | | | | | | | | 8.0 | 3.9 |
| ENE | 4.1 | 4.2 | 2.7 | .1 | | | | | | | | 11.1 | 4.7 |
| E | 1.3 | 1.1 | .3 | .2 | | | | | | | | 3.0 | 4.7 |
| ESE | .8 | .2 | .1 | | | | | | | | | 1.1 | 2.8 |
| SE | 1.0 | .7 | .1 | | | | | | | | | 1.8 | 3.9 |
| SSE | 1.1 | .9 | .3 | | | | | | | | | 2.3 | 4.0 |
| S | 1.9 | 4.9 | 3.1 | | | | | | | | | 9.9 | 5.2 |
| SSW | 1.7 | 7.4 | 8.4 | .9 | | | | | | | | 18.4 | 6.8 |
| SW | .9 | 1.9 | 5.1 | 1.9 | .1 | .2 | | | | | | 10.1 | 8.4 |
| WSW | .4 | .7 | .7 | .6 | | .2 | | | | | | 2.6 | 8.8 |
| W | .9 | .7 | .6 | | | | | | | | | 2.1 | 4.9 |
| WNW | .2 | .8 | .4 | .1 | | | | | | | | 1.6 | 5.7 |
| NW | .2 | .2 | | | | | | | | | | .4 | 4.0 |
| NNW | .3 | .7 | .1 | | | | | | | | | 1.1 | 4.1 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 19.6 | //// |
| TOTALS | 21.7 | 30.0 | 23.3 | 4.9 | .1 | .4 | | | | | | 100.0 | 4.6 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: APR HOURS/STEP: 0000-0200

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | TOTAL % | MEAN WIND | | | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|------------|--------------|-------|-------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | | | 41-47 | 48-55 | GE 56 |
| N | 1.0 | .6 | .2 | .2 | | | | | | | | 2.0 | 4.7 |
| NNE | 1.7 | 2.1 | 1.2 | .4 | .1 | | | | | | | 5.6 | 5.8 |
| NE | 1.2 | 2.3 | 1.4 | .1 | | | | | | | | 5.1 | 5.2 |
| ENE | 2.1 | 3.6 | 1.9 | .2 | | | | | | | | 7.8 | 5.1 |
| E | 1.3 | 1.0 | .3 | | | | | | | | | 2.7 | 3.8 |
| ESE | .4 | .3 | .1 | | | | | | | | | .9 | 3.4 |
| SE | 1.7 | .4 | | | | | | | | | | 2.1 | 2.5 |
| SSE | 1.4 | 1.2 | .1 | | | | | | | | | 2.8 | 3.2 |
| S | 2.7 | 4.3 | 2.3 | | | | | | | | | 9.3 | 5.0 |
| SSW | 2.4 | 5.7 | 6.8 | 1.8 | | .1 | | | | | | 16.8 | 6.9 |
| SW | 2.0 | 3.0 | 4.1 | 1.4 | .3 | .1 | | | | | | 11.0 | 7.6 |
| WSW | .9 | 1.3 | 1.0 | .6 | .1 | | | | | | | 3.9 | 7.0 |
| W | 1.8 | 2.6 | .7 | .4 | .2 | | | | | | | 5.7 | 5.5 |
| WNW | .2 | .9 | .2 | | | | | | | | | 1.3 | 4.9 |
| NW | .2 | .6 | .1 | | | | | | | | | .9 | 4.4 |
| NNW | .7 | .7 | .2 | | | | | | | | | 1.6 | 4.2 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 20.7 | //// |
| TOTALS | 21.8 | 30.6 | 20.8 | 5.2 | .8 | .2 | | | | | | 100.0 | 4.6 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .9 | .9 | .3 | .1 | .0 | | | | | | | 2.2 | 6.7 |
| NNE | 1.5 | 1.6 | 1.8 | .8 | .1 | .1 | | | | | | 5.9 | 6.8 |
| NE | 1.2 | 1.8 | 1.9 | .9 | .1 | .0 | | | | | | 6.0 | 7.0 |
| ENE | 1.5 | 2.5 | 1.9 | .5 | .1 | | | | | | | 6.4 | 6.1 |
| E | 1.4 | 1.4 | .5 | .1 | | | | | | | | 3.5 | 4.6 |
| ESE | .7 | .6 | .2 | .1 | | | | | | | | 1.6 | 4.7 |
| SE | 1.2 | .9 | .2 | .0 | | | | | | | | 2.3 | 3.8 |
| SSE | 1.5 | 1.4 | .9 | .1 | .0 | | | | | | | 3.9 | 4.9 |
| S | 3.2 | 4.1 | 2.5 | .5 | .0 | | | | | | | 10.2 | 5.3 |
| SSW | 1.8 | 4.7 | 4.8 | 1.8 | .1 | .1 | | | | | | 13.3 | 7.2 |
| SW | 1.4 | 2.7 | 4.3 | 2.3 | .4 | .1 | | | | | | 11.2 | 8.5 |
| WSW | 1.0 | 1.7 | 1.9 | 1.2 | .1 | .0 | | | | | | 6.0 | 7.5 |
| W | 1.7 | 2.2 | 1.2 | .9 | .1 | .0 | .0 | | | | | 6.2 | 6.3 |
| WNW | .7 | .9 | .4 | .1 | .0 | | | | | | | 2.1 | 5.2 |
| NW | .4 | .5 | .1 | .1 | | | | | | | | 1.1 | 4.7 |
| NNW | .5 | .5 | .2 | | | | | | | | | 1.2 | 4.4 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 16.9 | //// |
| TOTALS | 20.6 | 28.5 | 23.1 | 9.5 | 1.1 | .3 | .0 | | | | | 100.0 | 5.3 |

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: MAR HOURS(LST): 2100-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | | |
| N | .4 | 1.0 | .4 | | | | | | | | | 1.8 | 4.9 |
| NNE | .9 | 1.0 | 1.8 | .3 | | | | | | | | 4.0 | 6.8 |
| NE | .3 | 1.1 | 1.9 | .2 | | | | | | | | 3.5 | 7.1 |
| ENE | .9 | 1.5 | 1.6 | .2 | | | | | | | | 4.2 | 6.0 |
| E | 1.3 | 1.0 | .1 | .1 | | | | | | | | 2.5 | 3.9 |
| ESE | .1 | .3 | | | | | | | | | | .4 | 3.8 |
| SE | 1.5 | .5 | | | | | | | | | | 2.0 | 2.8 |
| SSE | 1.8 | 1.4 | .4 | | | | | | | | | 3.7 | 3.8 |
| S | 4.3 | 3.2 | 1.5 | .3 | | | | | | | | 9.4 | 4.4 |
| SSW | 2.6 | 6.5 | 4.5 | .8 | .1 | | | | | | | 14.4 | 6.1 |
| SW | 2.5 | 3.1 | 2.4 | 1.1 | .1 | | | | | | | 9.1 | 6.3 |
| WSW | 1.5 | 1.5 | 1.5 | .5 | | | | | | | | 5.1 | 6.0 |
| W | 3.0 | 2.0 | .9 | .9 | | | | | | | | 6.8 | 4.8 |
| WNW | .8 | .9 | .4 | | | | | | | | | 2.0 | 4.4 |
| NW | .2 | .8 | | | | | | | | | | 1.0 | 4.7 |
| NNW | 1.3 | .8 | .4 | | | | | | | | | 2.5 | 4.0 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 27.6 | //// |
| TOTALS | 23.3 | 26.5 | 18.0 | 4.4 | .2 | | | | | | | 100.0 | 3.9 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: MAR HOURS(UT): 1800-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | 1.2 | 1.2 | .2 | .1 | | | | | | | | 2.7 | 4.2 |
| NNE | 1.2 | 3.5 | 1.4 | .3 | | | | | | | | 6.5 | 5.7 |
| NE | .2 | .8 | 1.5 | .3 | | | | | | | | 2.8 | 7.8 |
| ENE | .6 | .9 | 1.7 | .5 | | | | | | | | 3.8 | 7.1 |
| E | .9 | .9 | .2 | | | | | | | | | 1.9 | 4.0 |
| ESE | .6 | 1.1 | .1 | | | | | | | | | 1.6 | 4.1 |
| SE | 1.1 | .8 | .2 | | | | | | | | | 2.0 | 3.6 |
| SSE | 2.9 | .4 | .2 | | | | | | | | | 3.5 | 2.8 |
| S | 3.7 | 3.5 | 1.7 | .1 | | | | | | | | 9.0 | 4.6 |
| SSW | 3.2 | 4.0 | 3.1 | 1.3 | .2 | | | | | | | 11.8 | 6.1 |
| SW | 2.8 | 4.5 | 4.2 | .6 | .3 | .1 | | | | | | 12.6 | 6.5 |
| WSW | 2.4 | 3.8 | 1.3 | .3 | .2 | | | | | | | 8.0 | 5.3 |
| W | 2.7 | 2.8 | 1.3 | .5 | | | | | | | | 7.3 | 4.8 |
| WNW | .4 | 1.6 | .1 | .3 | .1 | | | | | | | 2.6 | 6.3 |
| NW | .5 | .5 | .1 | | | | | | | | | 1.2 | 3.5 |
| NNW | .5 | .6 | | | | | | | | | | 1.2 | 3.5 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 21.3 | //// |
| TOTALS | 24.9 | 30.9 | 17.4 | 4.5 | .9 | .1 | | | | | | 100.0 | 4.3 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: MAY HOURS(LST): 0600-0800

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | | .4 | .2 | | | | | | | | | .6 | 5.7 |
| NNE | .9 | 1.0 | 1.3 | .5 | | | | | | | | 3.7 | 6.8 |
| NE | 1.3 | 2.2 | 1.9 | .3 | .1 | | | | | | | 5.8 | 6.2 |
| ENE | 2.4 | 4.5 | 2.5 | .2 | | | | | | | | 9.6 | 5.3 |
| E | 2.0 | 3.9 | 1.5 | .1 | | | | | | | | 7.5 | 4.8 |
| ESE | 1.2 | 1.1 | .3 | | | | | | | | | 2.6 | 4.0 |
| SE | 1.6 | 1.2 | .2 | | | | | | | | | 3.0 | 3.3 |
| SSE | 1.6 | 3.1 | .8 | | | | | | | | | 5.5 | 4.6 |
| S | 4.7 | 6.9 | 4.6 | .6 | | | | | | | | 16.9 | 5.4 |
| SSW | 1.6 | 6.8 | 9.8 | 2.8 | .1 | .1 | | | | | | 21.2 | 7.6 |
| SW | .8 | 2.5 | 4.8 | 3.0 | .1 | | | | | | | 11.2 | 8.7 |
| WSW | .3 | .8 | .6 | .8 | | | | | | | | 2.5 | 8.0 |
| W | .4 | .8 | .4 | | | | | | | | | 1.6 | 4.9 |
| WNW | .1 | .1 | .1 | | | | | | | | | .3 | 4.7 |
| NW | | .1 | .1 | | | | | | | | | .2 | 6.5 |
| NNW | .1 | .1 | .1 | .1 | | | | | | | | .4 | 6.5 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 7.4 | //// |
| TOTALS | 19.0 | 35.3 | 29.4 | 8.5 | .3 | .1 | | | | | | 100.0 | 5.8 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .8 | .4 | .5 | | | | | | | | | 1.7 | 4.4 |
| NNE | .8 | 1.1 | .8 | .4 | | | | | | | | 3.0 | 6.3 |
| NF | .5 | 1.6 | 2.3 | .9 | | | | | | | | 5.3 | 7.2 |
| ENE | .5 | 2.7 | 1.7 | .5 | .3 | .1 | | | | | | 5.9 | 7.5 |
| E | 1.2 | 1.8 | 1.5 | .2 | | | | | | | | 4.7 | 5.5 |
| ESE | .9 | 1.9 | .2 | .2 | | | | | | | | 3.2 | 4.7 |
| SE | 1.0 | 1.0 | .3 | | | | | | | | | 2.3 | 4.2 |
| SSE | 1.1 | 1.9 | .8 | .1 | | | | | | | | 3.9 | 5.2 |
| S | 2.9 | 6.5 | 4.8 | .3 | .1 | | | | | | | 14.6 | 5.7 |
| SSW | 2.0 | 4.5 | 7.1 | 4.2 | .1 | | | | | | | 18.0 | 8.1 |
| SW | 1.1 | 3.4 | 7.5 | 6.3 | .3 | | | | | | | 18.7 | 9.3 |
| WSW | .4 | 1.1 | 2.7 | 2.9 | .4 | | | | | | | 7.5 | 10.1 |
| W | 1.0 | 1.0 | .5 | 1.1 | | | | | | | | 3.5 | 7.1 |
| WNW | .2 | .5 | .5 | | | | | | | | | 1.3 | 5.8 |
| NW | | .4 | .3 | | | | | | | | | .8 | 6.6 |
| NNW | .3 | .1 | .3 | .1 | | | | | | | | .9 | 6.0 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 4.7 | //// |
| TOTALS | 14.6 | 30.0 | 31.9 | 17.3 | 1.3 | .1 | | | | | | 100.0 | 7.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAJ

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: MAY HOURS(LST): 1200-1400

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .5 | .8 | .3 | .1 | | | | | | | | 1.7 | 5.1 |
| NNE | 1.2 | .9 | 1.5 | .3 | | | | | | | | 3.9 | 6.0 |
| NE | .6 | 1.1 | 1.2 | .5 | .1 | | | | | | | 3.6 | 7.3 |
| ENE | 1.0 | .8 | .4 | 1.0 | | | | | | | | 3.1 | 7.2 |
| E | 1.7 | 1.1 | .1 | .3 | | | | | | | | 3.2 | 4.4 |
| ESE | .4 | .5 | .2 | .1 | | | | | | | | 1.3 | 5.3 |
| SE | 1.3 | 1.0 | .4 | .1 | | | | | | | | 2.8 | 4.2 |
| SSE | 1.0 | .6 | .6 | .2 | | | | | | | | 2.5 | 5.3 |
| S | 2.2 | 4.4 | 3.4 | 1.5 | | | | | | | | 11.5 | 6.4 |
| SSW | 1.5 | 5.0 | 5.9 | 3.8 | | | | | | | | 16.1 | 8.0 |
| SW | 1.1 | 4.3 | 7.3 | 5.3 | .8 | | | | | | | 18.7 | 9.0 |
| WSW | .9 | 2.7 | 3.8 | 3.6 | .4 | | | | | | | 11.3 | 9.2 |
| W | 1.0 | 1.9 | 2.8 | 2.3 | .8 | | | | | | | 8.7 | 9.1 |
| WNW | .8 | .6 | .5 | .1 | .1 | | | | | | | 2.2 | 6.2 |
| NW | .3 | .8 | .5 | .2 | | | | | | | | 1.8 | 6.2 |
| NNW | .4 | .4 | .2 | .2 | | | | | | | | 1.3 | 6.1 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 6.2 | //// |
| TOTALS | 15.8 | 26.8 | 29.4 | 19.6 | 2.2 | | | | | | | 100.0 | 7.2 |

TOTAL NUMBER OF OBSERVATIONS: 929

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: MAY HOURS(LST): 1500-1700

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | 1.1 | .6 | .9 | .2 | | | | | | | | 2.8 | 5.6 |
| NNE | .4 | 1.0 | 1.0 | .3 | | | | | | | | 2.7 | 6.8 |
| NE | .9 | 1.2 | 1.3 | .8 | | | | | | | | 4.1 | 7.0 |
| ENE | | .9 | .6 | 1.0 | | | | | | | | 2.5 | 8.9 |
| E | 1.1 | .6 | .9 | .1 | | | | | | | | 2.7 | 5.4 |
| ESE | .4 | 1.0 | .1 | | | | | | | | | 1.5 | 4.4 |
| SE | 1.4 | 1.0 | .5 | | | | | | | | | 2.9 | 4.4 |
| SSE | 1.0 | .9 | .3 | .1 | | | | | | | | 2.3 | 4.5 |
| S | 2.4 | 4.3 | 2.3 | .8 | .1 | | | | | | | 9.8 | 5.7 |
| SSW | 1.4 | 4.5 | 5.0 | 1.7 | .1 | | | | | | | 12.7 | 7.3 |
| SW | 2.3 | 5.4 | 4.5 | 5.1 | .5 | .1 | | | | | | 17.9 | 8.4 |
| WSW | 1.2 | 2.6 | 5.4 | 3.2 | .6 | | | | | | | 13.0 | 8.9 |
| W | 1.3 | 1.7 | 5.1 | 3.0 | .6 | .1 | | | | | | 11.9 | 9.1 |
| WNW | .6 | .9 | 1.1 | .2 | .1 | | | | | | | 2.9 | 6.8 |
| NW | .8 | 1.1 | .5 | .6 | | | | | | | | 3.0 | 6.4 |
| NNW | .1 | .3 | .1 | .4 | | | | | | | | 1.0 | 9.0 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 6.4 | //// |
| TOTALS | 16.3 | 27.9 | 29.5 | 17.6 | 2.2 | .2 | | | | | | 100.0 | 7.0 |

TOTAL NUMBER OF OBSERVATIONS: 928

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: MAY HOURS (LST): 1800-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | 1.6 | 1.6 | .4 | .1 | | | | | | | | 3.6 | 4.1 |
| NNE | 1.4 | 1.7 | 1.1 | .2 | | | | | | | | 4.5 | 5.0 |
| NE | .7 | .5 | .9 | .3 | .1 | | | | | | | 2.5 | 7.0 |
| ENE | .7 | .4 | .8 | | | | | | | | | 1.9 | 5.5 |
| E | 1.4 | 1.5 | .4 | | | | | | | | | 3.4 | 4.1 |
| ESE | .9 | .9 | .2 | | | | | | | | | 2.0 | 3.6 |
| SE | .8 | 1.2 | .3 | .1 | .1 | | | | | | | 2.5 | 5.3 |
| SSE | 2.3 | 1.1 | .3 | .1 | | | | | | | | 3.8 | 3.7 |
| S | 3.1 | 3.6 | 2.0 | .7 | | | | | | | | 9.3 | 5.4 |
| SSW | 3.2 | 4.2 | 3.1 | 1.2 | .1 | | | | | | | 11.8 | 6.0 |
| SW | 3.7 | 5.6 | 3.1 | .8 | .2 | | | | | | | 13.3 | 5.6 |
| WSW | 2.5 | 4.6 | 4.7 | 1.3 | | .1 | | | | | | 13.2 | 6.5 |
| W | 1.9 | 2.5 | 1.9 | 1.5 | .2 | | | | | | | 8.0 | 7.0 |
| WNW | .7 | 1.0 | .7 | .1 | | | | | | | | 2.4 | 5.5 |
| NW | .8 | .9 | .2 | | | | | | | | | 1.9 | 4.1 |
| NNW | .4 | .9 | .3 | | | | | | | | | 1.6 | 5.0 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 14.4 | //// |
| TOTALS | 25.8 | 32.2 | 20.3 | 6.4 | .8 | .1 | | | | | | 100.0 | 4.8 |

TOTAL NUMBER OF OBSERVATIONS: 918

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: MAY HOURS(LST): 2100-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .8 | .8 | .1 | | | | | | | | | 1.6 | 4.3 |
| NNE | 1.3 | 1.5 | .2 | | | | | | | | | 3.1 | 5.6 |
| NE | .8 | .5 | .8 | | | | | | | | | 2.1 | 4.8 |
| ENE | 1.3 | .5 | .2 | | | | | | | | | 2.1 | 3.3 |
| E | 1.2 | 1.3 | .1 | | | | | | | | | 2.6 | 3.8 |
| ESE | .9 | .5 | | | | | | | | | | 1.4 | 2.9 |
| SE | .9 | .9 | .1 | | | | | | | | | 1.9 | 3.7 |
| SSE | 1.3 | .8 | .1 | | | | | | | | | 2.2 | 3.3 |
| S | 3.6 | 3.3 | 1.0 | .3 | | | | | | | | 8.2 | 4.4 |
| SSW | 4.0 | 5.9 | 2.6 | 1.0 | | .1 | | | | | | 13.6 | 5.5 |
| SW | 3.4 | 4.1 | 2.3 | .9 | .2 | | | | | | | 10.9 | 5.8 |
| WSW | 2.6 | 2.9 | 2.0 | .5 | | | | | | | | 8.0 | 5.2 |
| W | 3.6 | 3.6 | 1.2 | .9 | .1 | | | | | | | 9.4 | 5.0 |
| WNW | .7 | 1.3 | .3 | .3 | | | | | | | | 2.6 | 5.6 |
| NW | .4 | .9 | .3 | | | | | | | | | 1.6 | 5.1 |
| NNW | .1 | 1.0 | .2 | | | | | | | | | 1.3 | 5.2 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 27.2 | //// |
| TOTALS | 26.9 | 29.9 | 11.6 | 4.0 | .3 | .1 | | | | | | 100.0 | 3.6 |

TOTAL NUMBER OF OBSERVATIONS: 911

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: MAY HOURS(LST): ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .7 | .8 | .4 | .1 | | | | | | | | 1.9 | 4.7 |
| NNE | 1.1 | 1.4 | .9 | .2 | | | | | | | | 3.6 | 5.3 |
| NE | 1.2 | 1.2 | 1.1 | .4 | .0 | | | | | | | 3.9 | 5.9 |
| ENE | 1.4 | 1.8 | .9 | .3 | .0 | .0 | | | | | | 4.4 | 5.5 |
| E | 1.5 | 1.7 | .6 | .1 | | | | | | | | 3.9 | 4.5 |
| ESE | .9 | .8 | .1 | .0 | | | | | | | | 1.9 | 3.9 |
| SE | 1.2 | .8 | .2 | .0 | .0 | | | | | | | 2.3 | 3.9 |
| SSE | 1.6 | 1.3 | .4 | .1 | | | | | | | | 3.4 | 4.2 |
| S | 3.2 | 4.8 | 2.9 | .6 | .0 | | | | | | | 11.5 | 5.4 |
| SSW | 2.4 | 5.1 | 5.8 | 2.3 | .1 | .0 | | | | | | 15.7 | 7.1 |
| SW | 1.9 | 3.8 | 4.5 | 2.8 | .3 | .0 | | | | | | 13.4 | 7.8 |
| WSW | 1.4 | 2.2 | 2.8 | 1.6 | .2 | .0 | | | | | | 8.1 | 7.7 |
| W | 1.6 | 2.0 | 1.6 | 1.1 | .2 | .0 | | | | | | 6.6 | 6.9 |
| WNW | .6 | .8 | .5 | .1 | .0 | | | | | | | 2.0 | 5.6 |
| NW | .3 | .6 | .3 | .1 | | | | | | | | 1.3 | 5.5 |
| NNW | .3 | .4 | .2 | .1 | | | | | | | | .9 | 5.7 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 15.1 | //// |
| TOTALS | 21.3 | 29.4 | 23.2 | 10.1 | .9 | .1 | | | | | | 100.0 | 5.3 |

TOTAL NUMBER OF OBSERVATIONS: 7385

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .7 | .5 | .2 | | | | | | | | | 1.4 | 4.1 |
| NNE | 1.7 | 1.1 | .4 | .1 | | | | | | | | 3.2 | 4.3 |
| NE | 1.3 | 1.1 | | | | | | | | | | 2.4 | 3.4 |
| ENE | 1.3 | 1.3 | .2 | | | | | | | | | 2.9 | 3.9 |
| E | .6 | 1.0 | .1 | | | | | | | | | 1.7 | 3.9 |
| ESE | .6 | .2 | .1 | | | | | | | | | 1.0 | 3.1 |
| SE | .4 | | | | | | | | | | | .4 | 2.3 |
| SSE | 1.5 | 1.7 | .2 | | | | | | | | | 3.5 | 3.5 |
| S | 3.9 | 4.6 | 1.1 | .2 | | | | | | | | 9.9 | 4.3 |
| SSW | 2.9 | 6.2 | 4.4 | 2.5 | .1 | | | | | | | 16.1 | 6.8 |
| SW | 2.4 | 4.4 | 3.2 | .8 | | | | | | | | 10.8 | 5.8 |
| WSW | 2.4 | 2.0 | .8 | .2 | | | | | | | | 5.5 | 4.2 |
| W | 3.1 | 2.1 | .8 | .1 | | | | | | | | 6.2 | 4.1 |
| WNW | .6 | 1.1 | .4 | | | | | | | | | 2.0 | 4.6 |
| NW | .6 | .5 | | | | | | | | | | 1.1 | 3.7 |
| NNW | .4 | .4 | | | | | | | | | | .7 | 3.3 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 31.4 | //// |
| TOTALS | 24.3 | 28.1 | 12.0 | 4.0 | .1 | | | | | | | 100.0 | 3.4 |

TOTAL NUMBER OF OBSERVATIONS: 840

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .8 | .5 | .1 | | | | | | | | | 1.4 | 3.4 |
| NNE | 1.5 | .3 | .5 | .1 | | | | | | | | 2.4 | 4.1 |
| NE | 2.2 | 1.7 | .6 | | | | | | | | | 4.5 | 4.0 |
| ENE | 2.2 | 2.2 | .6 | | | | | | | | | 4.9 | 4.1 |
| E | 2.0 | 1.1 | .1 | | | | | | | | | 3.2 | 3.5 |
| ESE | .8 | .2 | | | | | | | | | | 1.0 | 2.7 |
| SE | 2.0 | .6 | | | | | | | | | | 2.5 | 2.5 |
| SSE | 3.2 | 1.6 | .1 | | | | | | | | | 4.9 | 3.1 |
| S | 3.3 | 6.3 | 2.3 | .5 | | | | | | | | 12.4 | 4.9 |
| SSW | 2.4 | 6.7 | 7.5 | 2.2 | | | | | | | | 18.7 | 7.0 |
| SW | .8 | 3.8 | 3.7 | 1.0 | | | | | | | | 9.3 | 7.0 |
| WSW | .8 | .9 | .3 | | .1 | | | | | | | 2.2 | 4.9 |
| W | .8 | 1.4 | .5 | | | | | | | | | 2.6 | 4.5 |
| WNW | .1 | .2 | .1 | | | | | | | | | .5 | 5.3 |
| NW | .1 | .1 | | | | | | | | | | .2 | 3.5 |
| NNW | .3 | .8 | .1 | | | | | | | | | 1.3 | 4.1 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 27.8 | //// |
| TOTALS | 23.5 | 28.5 | 16.4 | 3.8 | .1 | | | | | | | 100.0 | 3.8 |

TOTAL NUMBER OF OBSERVATIONS: 870

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 75-84
 MONTH: JUN HOURS(LST): 0600-0800

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .8 | .3 | .2 | | | | | | | | | 1.3 | 3.8 |
| NNE | .8 | 1.2 | .6 | .3 | | | | | | | | 2.9 | 6.1 |
| NE | 1.9 | 2.3 | 1.1 | | | | | | | | | 5.3 | 4.7 |
| NNE | 1.7 | 3.2 | 2.3 | | | | | | | | | 7.2 | 5.2 |
| E | 2.6 | 3.2 | .7 | | | | | | | | | 6.4 | 4.1 |
| ESE | 1.1 | 1.1 | .2 | | | | | | | | | 2.4 | 3.6 |
| SE | 2.0 | 1.6 | .1 | | | | | | | | | 3.7 | 3.2 |
| SSE | 1.9 | 4.0 | .2 | | | | | | | | | 6.1 | 4.1 |
| S | 3.7 | 6.6 | 4.0 | .6 | | | | | | | | 14.8 | 5.4 |
| SSW | 1.7 | 8.9 | 10.8 | 2.8 | .1 | | | | | | | 24.2 | 7.3 |
| SW | .1 | 2.4 | 6.0 | 1.7 | .3 | | | | | | | 10.6 | 8.7 |
| WSW | .4 | 1.2 | 1.8 | .1 | | | | | | | | 3.6 | 6.7 |
| W | .4 | .2 | 1.0 | .1 | | | | | | | | 1.8 | 6.8 |
| WNW | | .3 | .1 | .3 | | | | | | | | .8 | 9.3 |
| NW | .2 | .2 | | .1 | | | | | | | | .6 | 5.4 |
| NNW | .3 | .1 | | | | | | | | | | .4 | 3.3 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 7.9 | //// | |
| TOTALS | 19.6 | 37.0 | 29.1 | 6.0 | .4 | | | | | | | 100.0 | 5.5 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .4 | .6 | .2 | | | | | | | | | 1.2 | 4.3 |
| NNE | .9 | .7 | .7 | .2 | .1 | | | | | | | 2.6 | 6.4 |
| NE | 1.3 | 1.1 | .9 | .3 | | | | | | | | 3.7 | 5.5 |
| ENE | .9 | 1.1 | 2.3 | .4 | | | | | | | | 4.8 | 6.7 |
| E | 2.0 | 2.4 | 1.2 | .2 | | | | | | | | 5.9 | 5.0 |
| ESE | .7 | 1.0 | | | | | | | | | | 1.7 | 3.6 |
| SE | 1.7 | 1.2 | .2 | | | | | | | | | 3.1 | 4.0 |
| SSE | .4 | 1.9 | .6 | | | | | | | | | 2.9 | 4.8 |
| S | 3.2 | 7.3 | 4.7 | .4 | .1 | | | | | | | 15.8 | 5.6 |
| SSW | 1.3 | 6.6 | 8.2 | 3.3 | | | | | | | | 19.4 | 7.6 |
| SW | 1.1 | 4.8 | 7.3 | 4.7 | .2 | | | | | | | 18.1 | 8.6 |
| WSW | 1.1 | 2.1 | 4.4 | .7 | .2 | .1 | | | | | | 8.7 | 7.7 |
| W | .8 | 2.0 | .6 | .4 | .1 | | | | | | | 3.9 | 6.2 |
| WNW | .3 | .4 | .6 | .3 | | | | | | | | 1.7 | 7.1 |
| NW | .2 | .3 | .2 | .1 | | | | | | | | .9 | 5.5 |
| NNW | .3 | .4 | .1 | | | | | | | | | .9 | 4.1 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 4.9 | //// |
| TOTALS | 16.8 | 34.0 | 32.2 | 11.2 | .8 | .1 | | | | | | 100.0 | 6.4 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .7 | 1.0 | .4 | | | | | | | | | 2.1 | 4.7 |
| NNE | .2 | 1.0 | .6 | .4 | | | | | | | | 2.2 | 7.1 |
| NE | .2 | 1.2 | .2 | .2 | | | | | | | | 1.9 | 6.3 |
| ENE | .6 | .9 | .7 | .1 | | | | | | | | 2.2 | 5.6 |
| E | 1.6 | 1.3 | 1.0 | .1 | | | | | | | | 4.0 | 5.0 |
| ESE | .7 | .6 | .4 | .1 | | | | | | | | 1.8 | 5.3 |
| SE | 1.4 | 1.0 | .1 | | | | | | | | | 2.6 | 3.3 |
| SSE | .8 | 1.0 | .6 | | | | | | | | | 2.3 | 4.4 |
| S | 3.6 | 5.1 | 2.9 | .7 | | | | | | | | 12.2 | 5.4 |
| SSW | 1.7 | 4.9 | 7.2 | 2.6 | | | | | | | | 16.3 | 7.6 |
| SW | 1.3 | 4.7 | 8.7 | 5.1 | .6 | | | | | | | 20.3 | 8.8 |
| WSW | 1.3 | 3.0 | 5.8 | 2.3 | .4 | .2 | | | | | | 13.1 | 8.6 |
| W | 1.2 | 2.6 | 3.4 | 1.6 | .1 | | | | | | | 8.9 | 7.5 |
| WNW | .7 | .9 | .2 | .1 | .2 | | | | | | | 2.1 | 6.2 |
| NW | .6 | .4 | .2 | | | | | | | | | 1.2 | 4.6 |
| NNW | .3 | .4 | .4 | .2 | | | | | | | | 1.4 | 6.5 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 5.2 | //// |
| TOTALS | 16.8 | 30.0 | 32.9 | 13.6 | 1.3 | .2 | | | | | | 100.0 | 6.8 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | 1.0 | .8 | 1.1 | .2 | | | | | | | | 3.1 | 5.5 |
| NNE | .6 | .6 | 1.2 | .3 | .1 | | | | | | | 2.8 | 7.8 |
| NE | .6 | 1.0 | .4 | .1 | | | | | | | | 2.1 | 5.0 |
| ENE | .7 | 1.1 | .1 | .1 | | | | | | | | 2.0 | 4.4 |
| E | 1.8 | .8 | .4 | .1 | .1 | | | | | | | 3.2 | 4.6 |
| ESE | .4 | .4 | .2 | | | | | | | | | 1.1 | 4.5 |
| SE | .6 | .7 | .3 | | | | | | | | | 1.6 | 4.5 |
| SSE | 1.3 | 1.4 | .7 | | | | | | | | | 3.5 | 4.5 |
| S | 1.8 | 4.3 | 2.8 | .6 | | | | | | | | 9.5 | 5.9 |
| SSW | 1.6 | 4.1 | 6.6 | 1.7 | .1 | .1 | | | | | | 14.1 | 7.5 |
| SW | 2.2 | 5.1 | 6.9 | 3.6 | .4 | | | | | | | 18.3 | 7.9 |
| WSW | 1.2 | 2.9 | 5.9 | 2.7 | .2 | .1 | | | | | | 13.0 | 8.4 |
| W | 1.6 | 4.7 | 4.3 | 2.1 | .3 | .1 | | | | | | 13.1 | 7.7 |
| WNW | .4 | 1.6 | .3 | .3 | | | | | | | | 2.7 | 6.0 |
| NW | .4 | .8 | .3 | .1 | | | | | | | | 1.7 | 5.4 |
| NNW | .4 | .6 | .3 | .1 | | | | | | | | 1.4 | 5.2 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 6.8 | //// |
| TOTALS | 16.6 | 30.8 | 32.1 | 12.0 | 1.3 | .3 | | | | | | 100.0 | 6.5 |

TOTAL NUMBER OF OBSERVATIONS: 898

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .9 | .9 | .8 | | | | | | | | | 2.6 | 4.7 |
| NNE | 2.0 | 1.8 | .7 | .5 | | | | | | | | 4.9 | 4.9 |
| NE | 1.0 | .9 | .7 | | | | | | | | | 2.6 | 4.5 |
| ENE | .3 | .9 | .3 | | | | | | | | | 1.6 | 4.6 |
| E | 1.7 | 1.0 | .3 | | | | | | | | | 3.1 | 3.5 |
| ESE | .6 | .6 | .1 | | | | | | | | | 1.3 | 3.7 |
| SE | .9 | .6 | .3 | | | | | | | | | 1.8 | 4.2 |
| SSE | 1.7 | 1.2 | .3 | | | | | | | | | 3.2 | 3.8 |
| S | 3.8 | 4.0 | 2.2 | .5 | | | | | | | | 10.5 | 5.0 |
| SSW | 2.9 | 4.1 | 3.7 | .3 | .3 | | | | | | | 11.4 | 6.0 |
| SW | 2.1 | 5.1 | 5.1 | 1.6 | | | | | | | | 13.8 | 6.7 |
| WSW | 4.0 | 4.1 | 3.1 | .9 | .1 | | | | | | | 12.3 | 5.7 |
| W | 2.0 | 4.9 | 2.0 | .9 | .6 | | | | | | | 10.4 | 6.6 |
| WNW | .7 | 1.2 | .6 | .6 | .1 | | | | | | | 3.1 | 7.0 |
| NW | .5 | 1.2 | | .2 | | | | | | | | 1.8 | 5.1 |
| NNW | .5 | .2 | .5 | | .2 | | | | | | | 1.4 | 7.2 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 14.0 | //// |
| TOTALS | 25.5 | 32.8 | 20.7 | 5.5 | 1.4 | | | | | | | 100.0 | 4.6 |

TOTAL NUMBER OF OBSERVATIONS: 869

24

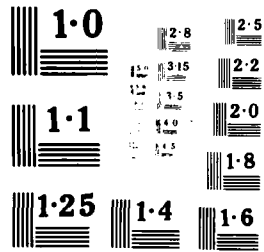
AD A159 700

FAIRCHILD AFB WASHINGTON REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSER. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. SEP 85
USAFETAC/DS-85/051

UNCLASSIFIED

F/G 4/2

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GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | 1.5 | .5 | .2 | .1 | | | | | | | | 2.4 | 3.6 |
| NNE | 2.3 | .8 | .1 | .4 | | | | | | | | 3.6 | 4.1 |
| NE | 1.1 | .6 | .6 | .1 | | | | | | | | 2.4 | 5.0 |
| ENE | 1.0 | .8 | | | | | | | | | | 1.8 | 3.5 |
| E | 1.1 | .8 | .1 | | | | | | | | | 2.0 | 3.6 |
| ESE | .4 | .2 | .2 | .1 | | | | | | | | 1.0 | 6.0 |
| SE | 1.1 | .1 | | | | | | | | | | 1.2 | 2.4 |
| SSE | 1.4 | .6 | .1 | .1 | | | | | | | | 2.3 | 3.7 |
| S | 4.5 | 4.4 | 1.9 | .2 | .1 | | | | | | | 11.2 | 4.6 |
| SSW | 3.0 | 4.4 | 3.0 | .5 | | | | | | | | 10.8 | 5.5 |
| SW | 3.2 | 3.2 | 3.3 | .8 | | | | | | | | 10.6 | 5.8 |
| WSW | 3.1 | 3.5 | 2.6 | .1 | | | | | | | | 9.3 | 5.0 |
| W | 3.5 | 2.6 | 1.4 | .6 | | | | | | | | 8.1 | 4.9 |
| WNW | 1.9 | .7 | .6 | .1 | | | | | | | | 3.3 | 4.2 |
| NW | .7 | .5 | .1 | | | | | | | | | 1.3 | 3.5 |
| NNW | .5 | .5 | .1 | .1 | | | | | | | | 1.2 | 5.0 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 27.5 | //// |
| TOTALS | 30.2 | 24.3 | 14.5 | 3.3 | .1 | | | | | | | 100.0 | 3.5 |

TOTAL NUMBER OF OBSERVATIONS: 839

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/HAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .9 | .6 | .4 | .0 | | | | | | | | 2.0 | 4.4 |
| NNE | 1.2 | .9 | .6 | .3 | .0 | | | | | | | 3.1 | 5.5 |
| NE | 1.2 | 1.3 | .6 | .1 | | | | | | | | 3.1 | 4.7 |
| ENE | 1.1 | 1.5 | .8 | .1 | | | | | | | | 3.4 | 5.0 |
| E | 1.7 | 1.5 | .5 | .1 | .0 | | | | | | | 3.7 | 4.3 |
| ESE | .7 | .6 | .2 | .0 | | | | | | | | 1.4 | 4.1 |
| SE | 1.3 | .7 | .1 | | | | | | | | | 2.1 | 3.4 |
| SSE | 1.5 | 1.7 | .4 | .0 | | | | | | | | 3.6 | 3.9 |
| S | 3.5 | 5.4 | 2.8 | .5 | .0 | | | | | | | 12.1 | 5.2 |
| SSW | 2.2 | 5.7 | 6.5 | 2.0 | .1 | .0 | | | | | | 16.5 | 7.1 |
| SW | 1.6 | 4.2 | 5.6 | 2.5 | .2 | | | | | | | 14.1 | 7.7 |
| WSW | 1.8 | 2.5 | 3.1 | .9 | .1 | .1 | | | | | | 8.5 | 6.9 |
| W | 1.6 | 2.6 | 1.8 | .7 | .1 | .0 | | | | | | 6.9 | 6.4 |
| WNW | .6 | .8 | .4 | .2 | .0 | | | | | | | 2.0 | 6.0 |
| NW | .4 | .5 | .1 | .1 | | | | | | | | 1.1 | 4.7 |
| NNW | .4 | .4 | .2 | .1 | .0 | | | | | | | 1.1 | 5.2 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 15.4 | //// |
| TOTALS | 21.5 | 30.8 | 24.0 | 7.5 | .7 | .1 | | | | | | 100.0 | 5.1 |

TOTAL NUMBER OF OBSERVATIONS: 7016

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .7 | .6 | .1 | | | | | | | | | 1.4 | 3.2 |
| NNE | 3.2 | 1.4 | .5 | | | | | | | | | 5.1 | 3.4 |
| NE | 2.4 | 1.4 | .1 | | | | | | | | | 3.9 | 3.1 |
| ENE | 2.3 | 2.0 | .5 | | | | | | | | | 4.7 | 3.6 |
| E | 2.3 | .8 | | | | | | | | | | 3.1 | 2.7 |
| ESE | .6 | .2 | | | | | | | | | | .8 | 3.4 |
| SE | 1.3 | | .1 | | | | | | | | | 1.4 | 2.4 |
| SSE | 1.8 | .9 | .1 | | | | | | | | | 2.9 | 3.1 |
| S | 5.0 | 2.3 | 1.3 | .2 | | | | | | | | 8.8 | 4.0 |
| SSW | 2.2 | 3.7 | 2.9 | .7 | .1 | | | | | | | 9.6 | 6.0 |
| SW | 2.6 | 2.5 | 1.5 | .6 | | | | | | | | 7.3 | 5.3 |
| WSW | 2.8 | 1.7 | .1 | | .1 | | | | | | | 4.7 | 3.6 |
| W | 3.2 | 1.5 | .2 | .1 | | | | | | | | 5.1 | 3.5 |
| WNW | .3 | .2 | .1 | | | | | | | | | .7 | 4.7 |
| NW | .6 | .1 | .2 | | | | | | | | | .9 | 4.1 |
| NNW | .2 | .2 | .1 | | | | | | | | | .6 | 4.0 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 39.2 | //// |
| TOTALS | 31.6 | 19.6 | 7.8 | 1.6 | .2 | | | | | | | 100.0 | 2.5 |

TOTAL NUMBER OF OBSERVATIONS: 868

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .7 | .7 | .2 | | | | | | | | | 1.6 | 4.1 |
| NNE | 2.8 | 1.8 | .2 | | | | | | | | | 4.8 | 3.2 |
| NE | 3.1 | 1.7 | .7 | | | | | | | | | 5.5 | 3.5 |
| ENE | 3.9 | 3.2 | .1 | | | | | | | | | 7.2 | 3.5 |
| E | 3.1 | 1.4 | | | | | | | | | | 4.6 | 2.9 |
| ESE | 1.3 | | .1 | | | | | | | | | 1.4 | 2.2 |
| SE | 1.3 | .1 | | | | | | | | | | 1.4 | 2.2 |
| SSE | 2.2 | .7 | .1 | | | | | | | | | 3.0 | 2.8 |
| S | 4.9 | 5.6 | 2.8 | .3 | | | | | | | | 13.6 | 4.6 |
| SSW | 2.1 | 4.3 | 5.9 | 2.0 | | | | | | | | 14.3 | 7.1 |
| SW | 1.1 | 2.2 | 1.4 | .2 | | | | | | | | 5.0 | 5.7 |
| WSW | .2 | .1 | .3 | .1 | | | | | | | | .8 | 6.4 |
| W | .4 | .3 | .1 | | | | | | | | | .9 | 3.6 |
| WNW | .6 | .1 | | | | | | | | | | .7 | 2.3 |
| NW | .1 | .1 | | .1 | | | | | | | | .3 | 7.0 |
| NNW | .3 | | | | | | | | | | | .3 | 2.3 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 34.6 | //// |
| TOTALS | 28.3 | 22.4 | 12.0 | 2.8 | | | | | | | | 100.0 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS: 899

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 75-84
 MONTH: JUL HOURS(LST): 0600-0800

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .2 | .1 | .1 | | | | | | | | | .4 | 4.0 |
| NNE | 1.1 | 1.7 | 1.4 | .1 | | | | | | | | 4.3 | 5.4 |
| NE | 2.6 | 4.1 | 2.7 | .5 | | | | | | | | 9.9 | 5.5 |
| ENE | 3.4 | 6.0 | 2.4 | | | | | | | | | 11.8 | 4.8 |
| E | 4.8 | 3.3 | .6 | | | | | | | | | 8.8 | 3.6 |
| ESE | 1.5 | .8 | .1 | | | | | | | | | 2.4 | 3.3 |
| SE | 1.8 | .8 | .1 | | | | | | | | | 2.7 | 3.3 |
| SSE | 2.4 | 1.7 | .4 | | | | | | | | | 4.5 | 3.6 |
| S | 5.9 | 7.5 | 4.1 | .4 | | | | | | | | 18.0 | 4.9 |
| SSW | 2.3 | 7.0 | 6.6 | 1.6 | | | | | | | | 17.4 | 6.6 |
| SW | .3 | 2.2 | 3.5 | 1.4 | | | | | | | | 7.4 | 8.2 |
| WSW | .4 | .2 | .8 | .1 | | | | | | | | 1.5 | 6.1 |
| W | .3 | .3 | .4 | | | | | | | | | 1.1 | 5.4 |
| WNW | .1 | .1 | | | | | | | | | | .2 | 4.0 |
| NW | .2 | .2 | | | | | | | | | | .4 | 3.5 |
| NNW | .1 | .2 | | | | | | | | | | .3 | 4.3 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 8.8 | //// |
| TOTALS | 27.5 | 36.2 | 23.2 | 4.2 | | | | | | | | 100.0 | 4.8 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .2 | .4 | .2 | | | | | | | | | .9 | 5.3 |
| NNE | .9 | 1.7 | 1.9 | | | | | | | | | 4.5 | 5.8 |
| NE | 2.3 | 2.7 | 2.4 | .6 | | | | | | | | 8.0 | 5.7 |
| ENE | 1.5 | 2.7 | 1.6 | .3 | | | | | | | | 6.1 | 5.4 |
| E | 2.2 | 3.7 | .9 | .1 | | | | | | | | 6.8 | 4.5 |
| ESE | 1.4 | .4 | .1 | | | | | | | | | 1.9 | 3.4 |
| SE | .5 | 1.1 | .3 | | | | | | | | | 1.9 | 4.6 |
| SSE | .8 | 1.0 | .4 | | | | | | | | | 2.2 | 4.4 |
| S | 4.1 | 7.3 | 4.1 | .8 | .1 | | | | | | | 16.3 | 5.5 |
| SSW | 2.0 | 6.5 | 6.9 | 2.5 | .1 | | | | | | | 18.0 | 7.3 |
| SW | 1.3 | 5.9 | 6.9 | 2.2 | .3 | | | | | | | 16.6 | 7.5 |
| WSW | .5 | 1.3 | 2.3 | .5 | | | | | | | | 4.6 | 7.3 |
| W | 1.0 | 1.2 | .5 | .1 | | | | | | | | 2.8 | 4.8 |
| WNW | .9 | .3 | | | | | | | | | | 1.2 | 2.6 |
| NW | .4 | | .1 | | | | | | | | | .5 | 3.8 |
| NNW | | .4 | .1 | | | | | | | | | .5 | 5.4 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 7.2 | //// |
| TOTALS | 19.9 | 36.6 | 28.7 | 7.1 | .5 | | | | | | | 100.0 | 5.7 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .5 | .8 | .3 | | | | | | | | | 1.6 | 4.5 |
| NNE | 1.1 | 1.9 | 1.1 | .1 | | | | | | | | 4.2 | 5.5 |
| NE | 1.7 | 2.0 | 1.8 | .1 | | | | | | | | 5.7 | 5.5 |
| ENE | .5 | .8 | 1.0 | .1 | | | | | | | | 2.4 | 5.0 |
| E | 2.0 | 1.5 | .5 | | | | | | | | | 4.1 | 3.7 |
| ESE | 1.0 | .2 | | | | | | | | | | 1.2 | 2.6 |
| SE | 1.0 | .3 | .1 | | | | | | | | | 1.4 | 3.2 |
| SSE | .6 | 1.3 | .5 | .1 | | | | | | | | 2.6 | 5.0 |
| S | 3.2 | 4.8 | 3.8 | .8 | | | | | | | | 12.6 | 5.7 |
| SSW | 2.2 | 5.6 | 6.5 | 2.2 | .3 | | | | | | | 16.7 | 7.1 |
| SW | 1.6 | 5.4 | 6.8 | 1.7 | .3 | | | | | | | 15.8 | 7.5 |
| WSW | 1.1 | 3.7 | 4.2 | 1.5 | .2 | | | | | | | 10.6 | 7.4 |
| W | 1.6 | 2.7 | 1.8 | .6 | .1 | | | | | | | 6.9 | 6.0 |
| WNW | .4 | 1.0 | .2 | .1 | | | | | | | | 1.7 | 4.8 |
| NW | 1.1 | .4 | .3 | .2 | .1 | | | | | | | 2.2 | 5.8 |
| NNW | .6 | .5 | .1 | | | | | | | | | 1.3 | 3.8 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 9.1 | //// |
| TOTALS | 20.3 | 32.9 | 29.0 | 7.5 | 1.1 | | | | | | | 100.0 | 5.7 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB W.

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .8 | .4 | 1.4 | .2 | | | | | | | | 2.8 | 6.5 |
| NNE | 1.4 | .6 | 1.4 | .5 | | | | | | | | 4.0 | 6.6 |
| NE | .9 | .8 | 1.1 | .1 | | | | | | | | 2.8 | 5.6 |
| ENE | .3 | 1.2 | .9 | .1 | | | | | | | | 2.5 | 6.1 |
| E | 1.3 | 1.7 | .5 | | | | | | | | | 3.5 | 4.3 |
| ESE | .5 | 1.1 | .1 | | | | | | | | | 1.7 | 3.8 |
| SE | .6 | .5 | .1 | | | | | | | | | 1.3 | 3.6 |
| SSE | .6 | 1.6 | | .2 | | | | | | | | 2.5 | 4.7 |
| S | 2.5 | 4.2 | 2.5 | .4 | .1 | | | | | | | 9.7 | 5.5 |
| SSW | 2.0 | 3.3 | 4.2 | 1.3 | | | | | | | | 10.9 | 6.8 |
| SW | 2.2 | 5.5 | 6.9 | 1.7 | .1 | | | | | | | 16.3 | 7.0 |
| WSW | 1.9 | 4.3 | 5.2 | 1.3 | .2 | | | | | | | 12.9 | 6.9 |
| W | 1.6 | 4.0 | 3.4 | .8 | | | | | | | | 9.8 | 6.3 |
| WNW | 1.0 | .6 | .8 | .2 | | | | | | | | 2.6 | 5.3 |
| NW | .6 | .3 | .6 | .2 | | | | | | | | 1.8 | 5.8 |
| NNW | .9 | .6 | .3 | .1 | | | | | | | | 1.9 | 4.7 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 13.0 | //// |
| TOTALS | 19.1 | 30.9 | 29.4 | 7.2 | .4 | | | | | | | 100.0 | 5.4 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | | |
| N | 1.1 | 1.4 | .6 | .2 | | | | 3.3 | 4.8 |
| NNE | 1.8 | 3.1 | 1.7 | .1 | | | | 6.7 | 5.0 |
| NE | .9 | 1.1 | .7 | .4 | | | | 3.1 | 6.0 |
| ENE | 1.0 | 1.8 | .2 | | | | | 3.0 | 4.4 |
| E | 2.0 | 1.8 | .2 | | | | | 4.0 | 3.5 |
| ESE | .4 | | .1 | | | | | .6 | 3.0 |
| SE | .9 | .3 | | | | | | 1.2 | 2.8 |
| SSE | 1.9 | .9 | .3 | | | | | 3.1 | 3.6 |
| S | 4.1 | 1.8 | .9 | .2 | | | | 7.0 | 3.9 |
| SSW | 2.7 | 4.0 | 2.3 | .1 | | | | 9.1 | 5.1 |
| SW | 4.3 | 2.8 | 2.7 | .8 | | | | 10.5 | 5.2 |
| WSW | 4.5 | 6.0 | 3.1 | .7 | .1 | | | 14.4 | 5.1 |
| W | 3.1 | 3.3 | 1.4 | .7 | .1 | .1 | | 8.8 | 5.7 |
| WNW | 1.0 | .4 | .6 | .3 | .1 | | | 2.4 | 6.1 |
| NW | .9 | .7 | .2 | .1 | | | | 1.9 | 4.5 |
| NNW | .7 | .3 | .1 | .2 | | | | 1.3 | 5.4 |
| VARIABLE | //////////////////////////////////// | | | | | | | 19.6 | //// |
| TOTALS | 31.3 | 29.7 | 15.1 | 3.9 | .3 | .1 | | 100.0 | 3.9 |

TOTAL NUMBER OF OBSERVATIONS: 932

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .9 | 1.5 | .1 | | | | | | | | | 2.5 | 3.8 |
| NNE | 2.7 | 2.2 | 1.0 | .2 | | | | | | | | 6.2 | 4.4 |
| NE | 1.5 | .3 | .2 | .1 | | | | | | | | 2.2 | 3.6 |
| ENE | .8 | .6 | .3 | .1 | | | | | | | | 1.8 | 4.6 |
| E | .8 | .8 | | .1 | | | | | | | | 1.7 | 4.0 |
| ESE | .7 | .2 | | | | | | | | | | .9 | 2.9 |
| SE | .7 | .2 | | .1 | | | | | | | | 1.0 | 3.7 |
| SSE | 3.1 | .8 | | | | | | | | | | 3.9 | 2.4 |
| S | 4.2 | 2.2 | .5 | .2 | | | | | | | | 7.1 | 3.7 |
| SSW | 2.7 | 1.7 | .6 | .5 | | | | | | | | 5.5 | 4.5 |
| SW | 5.4 | 2.1 | 1.0 | | | | | | | | | 8.5 | 3.6 |
| WSW | 5.7 | 2.9 | .3 | .1 | | | | | | | | 9.0 | 3.4 |
| W | 5.0 | 2.7 | .7 | .5 | | | | | | | | 8.9 | 3.9 |
| WNW | .2 | .7 | .1 | .1 | | | | | | | | 1.1 | 5.1 |
| NW | .3 | .2 | | | | | | | | | | .6 | 3.6 |
| NNW | .5 | .2 | .3 | | | | | | | | | 1.0 | 4.9 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 37.9 | //// |
| TOTALS | 35.4 | 19.4 | 5.3 | 2.1 | | | | | | | | 100.0 | 2.4 |

TOTAL NUMBER OF OBSERVATIONS: 873

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 75-84
 MONTH: JUL HOURS(1ST): ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .6 | .7 | .4 | .1 | | | | | | | | 1.8 | 4.7 |
| NNE | 1.8 | 1.8 | 1.2 | .1 | | | | | | | | 4.9 | 4.9 |
| NE | 1.9 | 1.8 | 1.2 | .2 | | | | | | | | 5.2 | 5.0 |
| ENE | 1.7 | 2.3 | .9 | .1 | | | | | | | | 5.0 | 4.6 |
| E | 2.3 | 1.9 | .4 | .0 | | | | | | | | 4.6 | 3.7 |
| ESE | .9 | .4 | .1 | | | | | | | | | 1.4 | 3.1 |
| SE | 1.0 | .4 | .1 | .0 | | | | | | | | 1.6 | 3.3 |
| SSE | 1.7 | 1.1 | .2 | .0 | | | | | | | | 3.1 | 3.6 |
| S | 4.2 | 4.5 | 2.5 | .4 | .0 | | | | | | | 11.7 | 4.9 |
| SSW | 2.5 | 4.5 | 4.5 | 1.4 | .1 | | | | | | | 12.8 | 6.6 |
| SW | 2.3 | 5.6 | 3.9 | 1.1 | .1 | | | | | | | 11.0 | 6.6 |
| WSW | 2.1 | 2.5 | 2.1 | .6 | .1 | | | | | | | 7.3 | 5.8 |
| W | 2.0 | 2.0 | 1.1 | .3 | .0 | .0 | | | | | | 5.5 | 5.2 |
| WNW | .6 | .4 | .2 | .1 | .0 | | | | | | | 1.3 | 4.8 |
| NW | .5 | .3 | .2 | .1 | .0 | | | | | | | 1.1 | 5.0 |
| NNW | .4 | .3 | .1 | .0 | | | | | | | | .9 | 4.6 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 20.8 | //// |
| TOTALS | 26.5 | 28.6 | 19.1 | 4.6 | .3 | .0 | | | | | | 100.0 | 4.7 |

TOTAL NUMBER OF OBSERVATIONS: 7262

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREE) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL | MEAN WIND | |
|-----------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | 1.6 | .5 | .1 | | | | | | | | | 2.3 | 2.9 |
| NNE | 1.1 | 1.6 | .4 | | | | | | | | | 3.1 | 4.3 |
| NE | 2.7 | 1.1 | .5 | | | | | | | | | 4.3 | 3.5 |
| ENE | 1.8 | 3.0 | .5 | .2 | | | | | | | | 5.6 | 4.6 |
| E | 1.6 | 1.5 | .2 | | | | | | | | | 3.3 | 3.7 |
| ESE | .6 | .1 | | | | | | | | | | .8 | 2.1 |
| SE | 1.0 | .2 | .1 | | | | | | | | | 1.3 | 2.8 |
| SSE | 1.9 | 1.3 | .2 | | | | | | | | | 3.4 | 3.4 |
| S | 4.2 | 4.0 | 1.0 | .1 | | | | | | | | 9.2 | 4.2 |
| SSW | 3.0 | 4.2 | 2.2 | .5 | | | | | | | | 9.9 | 5.2 |
| SW | 3.0 | 2.6 | 1.1 | .4 | | | | | | | | 7.1 | 4.7 |
| WSW | 1.1 | .9 | .4 | .1 | | | | | | | | 2.7 | 4.4 |
| W | 2.5 | 1.8 | .9 | | | | | | | | | 5.2 | 4.1 |
| WNW | .6 | .5 | .1 | .1 | | | | | | | | 1.4 | 4.4 |
| NW | .3 | .2 | | | | | | | | | | .5 | 3.2 |
| NNW | .5 | .3 | | | | | | | | | | .9 | 3.1 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 39.0 | //// |
| TOTALS | 27.8 | 23.9 | 7.7 | 1.5 | | | | | | | | 100.0 | 2.6 |

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | 1.3 | 1.7 | .8 | .2 | | | | | | | | 4.0 | 5.7 |
| NNE | 1.9 | 3.6 | 2.0 | .9 | | | | | | | | 8.3 | 6.1 |
| NE | 1.7 | 2.1 | 1.9 | 1.3 | | | | | | | | 7.0 | 6.8 |
| ENE | .8 | 1.4 | .8 | .3 | | | | | | | | 3.3 | 5.7 |
| E | .9 | 1.6 | .6 | | | | | | | | | 3.0 | 4.4 |
| ESE | .3 | .6 | | | | | | | | | | .9 | 4.3 |
| SE | .4 | .2 | .3 | | | | | | | | | 1.0 | 5.0 |
| SESE | 1.0 | .4 | .1 | | | | | | | | | 1.6 | 3.1 |
| S | 2.4 | 2.2 | 2.1 | | | | | | | | | 6.8 | 4.9 |
| SSW | 2.1 | 5.2 | 3.0 | .6 | .1 | | | | | | | 11.0 | 5.9 |
| SW | 2.2 | 5.2 | 7.2 | 2.4 | .1 | | | | | | | 17.2 | 7.4 |
| WSW | 1.3 | 3.3 | 3.6 | 1.7 | .1 | | | | | | | 10.0 | 7.4 |
| W | 1.2 | 2.3 | 3.0 | 2.0 | | | | | | | | 8.6 | 7.7 |
| WNW | 1.1 | .9 | .6 | | | | | | | | | 2.6 | 4.5 |
| NW | .9 | .7 | .2 | .2 | | | | | | | | 2.0 | 4.9 |
| NNW | 1.0 | .7 | | .1 | | | | | | | | 1.8 | 3.8 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 11.0 | //// |
| TOTALS | 20.7 | 32.1 | 26.1 | 9.8 | .3 | | | | | | | 100.0 | 5.6 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|--|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | | |
| N | 1.3 | .7 | .3 | .1 | | | | | | | | 2.4 | 3.8 | |
| NNE | 1.7 | 1.7 | 2.1 | .2 | | | | | | | | 5.7 | 5.7 | |
| NE | 2.1 | 3.7 | 2.4 | .9 | | | | | | | | 9.1 | 6.0 | |
| ENE | 1.2 | 2.1 | 2.3 | .7 | .1 | | | | | | | 6.4 | 6.5 | |
| E | 1.3 | 3.0 | .9 | | | | | | | | | 5.2 | 4.7 | |
| ESE | .7 | 1.0 | .2 | | | | | | | | | 1.9 | 4.2 | |
| SE | .9 | .9 | .2 | | | | | | | | | 1.6 | 4.5 | |
| SSE | .7 | .8 | .4 | | | | | | | | | 1.9 | 4.4 | |
| S | 2.0 | 3.2 | 2.6 | | | | | | | | | 7.8 | 5.2 | |
| SSW | 1.9 | 4.6 | 5.5 | 2.1 | .1 | | | | | | | 14.0 | 7.2 | |
| SW | 2.3 | 3.4 | 7.0 | 2.8 | .4 | | | | | | | 16.0 | 7.9 | |
| WSW | .9 | 1.7 | 2.2 | 2.0 | .2 | | | | | | | 7.0 | 8.6 | |
| W | 1.6 | 2.0 | 2.7 | 1.2 | | | | | | | | 7.4 | 6.8 | |
| WNW | .3 | 1.4 | .2 | .2 | | | | | | | | 2.2 | 5.5 | |
| NW | .9 | .9 | | | | | | | | | | 1.8 | 3.4 | |
| NNW | .4 | 1.0 | .1 | | | | | | | | | 1.6 | 4.1 | |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 8.0 | //// | |
| TOTALS | 19.8 | 32.0 | 29.1 | 10.2 | .9 | | | | | | | 109.0 | 5.9 | |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 75-84
 MONTH: SEP HOURS(EST): 3903-1100

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .7 | .4 | .1 | | | | | | | | | 1.2 | 3.9 |
| NNE | 1.2 | 1.9 | 2.7 | .6 | | | | | | | | 6.3 | 6.7 |
| NE | 1.8 | 4.9 | 6.3 | 1.4 | .1 | | | | | | | 14.6 | 7.0 |
| ENE | 1.9 | 5.1 | 3.9 | .7 | | | | | | | | 11.6 | 6.0 |
| E | 2.3 | 4.7 | 1.0 | .1 | | | | | | | | 8.1 | 4.6 |
| ESE | 1.4 | .9 | .3 | | | | | | | | | 2.7 | 3.4 |
| SE | 1.3 | 1.6 | .3 | .1 | | | | | | | | 3.3 | 4.2 |
| SSE | 1.1 | 1.3 | .4 | | | | | | | | | 2.9 | 4.3 |
| S | 1.9 | 5.4 | 3.4 | .1 | | | | | | | | 10.9 | 5.6 |
| SSW | 2.3 | 4.9 | 5.8 | 1.1 | | | | | | | | 14.1 | 6.6 |
| SW | .4 | 2.4 | 4.3 | .8 | .2 | | | | | | | 8.2 | 7.9 |
| WSW | .3 | 1.7 | 2.7 | 1.0 | .2 | | | | | | | 5.9 | 8.3 |
| W | .3 | 1.6 | 1.3 | .4 | | | | | | | | 3.7 | 6.8 |
| WNW | .4 | .2 | .2 | | | | | | | | | .9 | 3.8 |
| NW | .6 | .1 | | | | | | | | | | .7 | 2.2 |
| NNW | | .6 | | | | | | | | | | .6 | 4.4 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 4.4 | //// | |
| TOTALS | 18.1 | 37.7 | 32.9 | 6.3 | .6 | | | | | | | 100.0 | 5.9 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 75-84
 MONTH: SEP HOURS(LST): 0600-0800

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .3 | .6 | .1 | | | | | | | | | 1.0 | 4.0 |
| NNE | 1.7 | 2.1 | 1.1 | 1.0 | | | | | | | | 5.9 | 6.0 |
| NE | 2.9 | 5.4 | 2.6 | .1 | .3 | | | | | | | 11.3 | 5.5 |
| ENE | 4.0 | 6.4 | 4.4 | | | | | | | | | 16.9 | 5.1 |
| E | 2.9 | 3.7 | .9 | | | | | | | | | 7.4 | 4.2 |
| ESE | 1.4 | .4 | | .1 | | | | | | | | 2.0 | 3.3 |
| SE | 1.4 | 1.3 | | | | | | | | | | 2.8 | 3.2 |
| SSE | 1.8 | 1.4 | .4 | | | | | | | | | 3.7 | 3.9 |
| S | 3.2 | 4.4 | 2.3 | .2 | | | | | | | | 10.2 | 4.7 |
| SSW | 2.1 | 4.6 | 5.2 | 1.1 | | | | | | | | 13.0 | 6.6 |
| SW | .3 | 2.0 | 2.2 | .6 | | | | | | | | 5.1 | 6.8 |
| WSW | .2 | .3 | 1.0 | | | | | | | | | 1.6 | 6.8 |
| W | .4 | .2 | .2 | | | | | | | | | .9 | 4.3 |
| WNW | .2 | .3 | .1 | | | | | | | | | .7 | 4.8 |
| NW | .1 | | | | | | | | | | | .1 | 2.0 |
| NNW | | .1 | | | | | | | | | | .1 | 5.0 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 17.3 | //// |
| TOTALS | 23.1 | 35.4 | 20.7 | 3.1 | .3 | | | | | | | 100.0 | 4.4 |

TOTAL NUMBER OF OBSERVATIONS: 920

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .6 | .3 | .2 | | | | | | | | | 1.1 | 4.1 |
| NNE | 3.9 | 2.2 | 1.9 | .2 | | | | | | | | 8.2 | 4.4 |
| NE | 5.2 | 3.8 | .7 | .3 | .1 | | | | | | | 10.1 | 4.0 |
| ENE | 4.7 | 6.0 | .7 | | | | | | | | | 11.3 | 3.9 |
| E | 3.0 | 1.1 | .1 | | | | | | | | | 4.2 | 3.0 |
| ESE | .9 | .3 | | | | | | | | | | 1.2 | 2.5 |
| SE | 1.0 | .6 | .1 | | | | | | | | | 1.7 | 3.3 |
| SSE | 1.3 | 1.0 | .2 | | | | | | | | | 2.6 | 3.7 |
| S | 2.8 | 3.3 | 1.4 | .1 | | | | | | | | 7.7 | 4.5 |
| SSW | 1.4 | 4.7 | 4.2 | 1.1 | | | | | | | | 11.4 | 6.6 |
| SW | 1.1 | 1.4 | 1.6 | .9 | | | | | | | | 5.0 | 6.8 |
| WSW | .8 | .6 | .6 | .1 | | | | | | | | 2.0 | 5.1 |
| W | 1.0 | .4 | .1 | | | | | | | | | 1.6 | 3.4 |
| WNW | .2 | .4 | .2 | | | | | | | | | .9 | 5.1 |
| NW | .3 | | | | | | | | | | | .3 | 2.0 |
| NNW | .1 | .6 | .1 | | | | | | | | | .9 | 4.6 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 29.9 | //// |
| TOTALS | 28.3 | 26.8 | 12.1 | 2.8 | .1 | | | | | | | 100.0 | 3.3 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | 1.2 | 1.3 | .3 | | | | | | | | | 2.9 | 3.8 |
| NNE | 2.9 | 2.4 | .9 | .2 | | | | | | | | 6.4 | 4.2 |
| NE | 4.3 | 2.9 | .9 | | | | | | | | | 8.1 | 3.8 |
| NNE | 3.8 | 3.0 | 1.1 | .1 | .2 | | | | | | | 8.2 | 4.5 |
| E | 1.1 | .3 | .1 | | | | | | | | | 1.6 | 2.9 |
| ESE | 1.0 | .1 | | | | | | | | | | 1.1 | 2.0 |
| SE | .9 | .4 | | | | | | | | | | 1.3 | 2.5 |
| SSE | 1.1 | .7 | | | | | | | | | | 1.8 | 3.1 |
| S | 2.9 | 2.7 | 1.0 | .2 | | | | | | | | 6.8 | 4.4 |
| SSW | 2.2 | 2.8 | 2.4 | 2.0 | | | | | | | | 9.4 | 6.9 |
| SW | 1.4 | 1.0 | 1.2 | .4 | .1 | | | | | | | 4.2 | 6.4 |
| WSW | .6 | .9 | .6 | .2 | | | | | | | | 2.2 | 6.0 |
| W | 1.8 | 1.7 | .4 | .1 | | | | | | | | 4.0 | 4.3 |
| WNW | .6 | .3 | .3 | | | | | | | | | 1.2 | 4.1 |
| NW | .3 | .2 | | | | | | | | | | .6 | 3.0 |
| NNW | .7 | .4 | .1 | | | | | | | | | 1.2 | 3.5 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 38.9 | //// |
| TOTALS | 26.8 | 21.2 | 9.4 | 3.3 | .3 | | | | | | | 100.0 | 2.8 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/HAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | 1.0 | 1.0 | .3 | .1 | | | | | | | | 2.4 | 4.2 |
| NNE | 1.5 | 1.8 | .8 | .1 | .0 | | | | | | | 4.2 | 4.7 |
| NE | 2.1 | 2.2 | 1.3 | .2 | | | | | | | | 5.8 | 5.0 |
| ENE | 2.3 | 2.5 | .9 | .1 | | | | | | | | 5.9 | 4.4 |
| E | 1.9 | 2.3 | .5 | .1 | | | | | | | | 4.8 | 4.1 |
| ESE | .9 | .6 | .1 | | | | | | | | | 1.6 | 3.4 |
| SE | .9 | .4 | .2 | .0 | | | | | | | | 1.5 | 3.5 |
| SSE | 1.4 | 1.3 | .3 | .0 | | | | | | | | 3.0 | 3.9 |
| S | 3.5 | 4.7 | 2.3 | .2 | | | | | | | | 10.7 | 4.9 |
| SSW | 2.7 | 4.8 | 4.5 | 1.0 | .0 | | | | | | | 13.0 | 6.3 |
| SW | 2.6 | 3.7 | 3.4 | 1.0 | .1 | | | | | | | 10.8 | 6.3 |
| WSW | 1.6 | 2.0 | 1.6 | .4 | .1 | | | | | | | 5.7 | 5.9 |
| W | 2.3 | 2.1 | 1.2 | .2 | .0 | .0 | | | | | | 5.8 | 4.9 |
| WNW | .7 | .5 | .3 | .1 | .0 | | | | | | | 1.6 | 4.7 |
| NW | .5 | .5 | .1 | .0 | | | | | | | | 1.1 | 4.4 |
| NNW | .3 | .3 | .1 | .0 | | | | | | | | .8 | 4.3 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 21.6 | //// |
| TOTALS | 26.1 | 30.6 | 17.9 | 3.6 | .3 | .0 | | | | | | 100.0 | 4.1 |

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | 1.2 | .6 | .3 | | | | | | | | | 2.2 | 4.2 |
| NNE | 1.2 | 1.7 | .9 | .1 | | | | | | | | 3.9 | 5.1 |
| NE | .8 | 1.2 | .4 | .1 | | | | | | | | 2.5 | 5.0 |
| ENE | 1.8 | 1.2 | .3 | .1 | | | | | | | | 3.4 | 3.9 |
| E | 1.7 | .8 | | .2 | | | | | | | | 2.7 | 3.7 |
| ESE | .4 | .2 | .3 | | | | | | | | | 1.0 | 4.6 |
| SE | .3 | .4 | | | | | | | | | | .8 | 3.3 |
| SSE | 1.4 | .8 | | | | | | | | | | 2.2 | 3.1 |
| S | 2.7 | 1.8 | .5 | .1 | | | | | | | | 5.2 | 3.9 |
| SSW | 3.9 | 3.0 | 1.2 | .8 | | | | | | | | 8.8 | 4.9 |
| SW | 5.2 | 3.1 | .8 | .3 | .1 | | | | | | | 9.5 | 4.1 |
| WSW | 4.3 | 1.9 | .9 | .2 | .1 | | | | | | | 7.4 | 4.0 |
| W | 6.1 | 3.3 | .9 | | | | | | | | | 10.3 | 3.7 |
| WNW | .6 | .5 | .1 | | | | | | | | | 1.3 | 3.7 |
| NW | .1 | .3 | | | | | | | | | | .4 | 4.0 |
| NNW | .4 | .3 | .1 | | | | | | | | | .9 | 3.6 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 37.7 | //// |
| TOTALS | 32.2 | 21.3 | 6.7 | 1.9 | .2 | | | | | | | 100.0 | 2.6 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 75-84
 MONTH: AUG HOURS(LST): 1800-2200

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | 1.4 | 1.9 | .2 | | | | | | | | | 3.5 | 3.7 |
| NNE | 1.8 | 2.7 | 1.0 | | | | | | | | | 5.5 | 4.5 |
| NE | 1.7 | 1.4 | .3 | .2 | | | | | | | | 3.7 | 4.5 |
| ENE | 2.3 | 3.0 | .6 | | | | | | | | | 5.9 | 4.1 |
| E | 1.9 | 1.5 | .4 | .1 | | | | | | | | 4.0 | 3.8 |
| ESE | .3 | .6 | .2 | | | | | | | | | 1.2 | 4.2 |
| SE | .6 | .1 | .1 | | | | | | | | | .9 | 3.1 |
| SSE | 1.1 | .2 | .1 | | | | | | | | | 1.4 | 2.8 |
| S | 3.3 | 1.6 | .9 | .1 | | | | | | | | 5.9 | 3.9 |
| SSW | 3.9 | 3.5 | 1.4 | .5 | | | | | | | | 9.4 | 4.7 |
| SW | 5.8 | 5.1 | 2.3 | .5 | .1 | | | | | | | 13.8 | 4.9 |
| WSW | 5.1 | 4.8 | 1.8 | .1 | .1 | | | | | | | 10.0 | 4.8 |
| W | 3.1 | 3.7 | 1.3 | .2 | | | | | | | | 8.3 | 4.6 |
| WNW | 2.0 | .6 | .4 | .1 | | | | | | | | 3.2 | 4.2 |
| NW | .8 | .4 | .1 | | | | | | | | | 1.3 | 3.4 |
| NNW | | .2 | .1 | | | | | | | | | .3 | 6.3 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 21.8 | //// |
| TOTALS | 33.2 | 31.5 | 11.3 | 1.9 | .2 | | | | | | | 100.0 | 3.5 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | 1.0 | 1.5 | .3 | .1 | | | | | | | | 2.9 | 4.5 |
| NNE | 1.7 | 1.5 | .8 | .5 | | | | | | | | 4.5 | 5.0 |
| NE | 1.6 | 1.0 | 1.1 | .5 | | | | | | | | 4.2 | 5.8 |
| ENE | 1.8 | 1.3 | .4 | .1 | | | | | | | | 3.7 | 4.3 |
| E | 1.1 | 1.2 | .3 | | | | | | | | | 2.6 | 4.0 |
| ESE | .9 | .9 | .2 | | | | | | | | | 1.9 | 3.8 |
| SE | .9 | .5 | .1 | | | | | | | | | 1.5 | 3.3 |
| SSE | .8 | .9 | .2 | | | | | | | | | 1.8 | 4.2 |
| S | 2.9 | 4.4 | 1.9 | .1 | | | | | | | | 9.4 | 4.8 |
| SSW | 2.3 | 3.8 | 5.1 | 1.4 | | | | | | | | 12.5 | 6.9 |
| SW | 2.5 | 5.6 | 7.5 | 1.6 | .2 | | | | | | | 17.4 | 7.0 |
| WSW | 1.7 | 3.5 | 4.4 | 1.3 | .1 | | | | | | | 11.1 | 7.1 |
| W | 2.4 | 3.1 | 3.5 | 1.0 | | | | | | | | 10.0 | 6.2 |
| WNW | .8 | 1.2 | .6 | .1 | .1 | | | | | | | 2.8 | 5.8 |
| NW | 1.3 | 1.5 | .3 | .2 | | | | | | | | 3.3 | 4.6 |
| NNW | .6 | .4 | .1 | .1 | | | | | | | | 1.3 | 4.4 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 9.1 | //// |
| TOTALS | 24.1 | 32.3 | 27.0 | 7.1 | .4 | | | | | | | 100.0 | 5.4 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | 1.1 | 1.0 | .2 | .4 | | | | | | | | 2.7 | 4.7 |
| NNE | 1.5 | 1.7 | .9 | .1 | | | | | | | | 4.2 | 4.6 |
| NE | 1.5 | 1.7 | 1.5 | .2 | | | | | | | | 4.9 | 5.7 |
| ENE | .8 | .5 | .9 | | | | | | | | | 2.2 | 5.0 |
| E | 1.9 | 2.0 | .6 | | | | | | | | | 4.6 | 4.0 |
| ESE | 1.1 | .3 | .1 | | | | | | | | | 1.5 | 3.4 |
| SE | .9 | .4 | .2 | .1 | | | | | | | | 1.6 | 4.1 |
| SEF | 1.3 | 1.1 | .8 | .1 | | | | | | | | 3.2 | 4.8 |
| S | 3.5 | 4.6 | 4.1 | .1 | | | | | | | | 12.4 | 5.4 |
| SSW | 2.8 | 4.9 | 7.6 | 1.6 | .1 | | | | | | | 17.1 | 7.0 |
| SW | 1.4 | 4.7 | 7.2 | 1.9 | .1 | | | | | | | 15.4 | 7.5 |
| WSW | .9 | 2.7 | 2.9 | 1.1 | .2 | | | | | | | 7.7 | 7.4 |
| W | 2.0 | 3.0 | 2.3 | .4 | | .1 | | | | | | 7.8 | 5.9 |
| WNW | .6 | 1.1 | .4 | .1 | | | | | | | | 2.3 | 5.0 |
| NW | .9 | .6 | .3 | | | | | | | | | 1.8 | 4.1 |
| NNW | .6 | .4 | .1 | | | | | | | | | 1.2 | 3.5 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 9.4 | //// |
| TOTALS | 22.8 | 31.0 | 30.1 | 6.2 | .4 | .1 | | | | | | 100.0 | 5.4 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFLTAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | 1.0 | .6 | .4 | .2 | | | | | | | | 2.3 | 4.9 |
| NNE | 1.0 | 1.9 | .8 | .1 | .1 | | | | | | | 3.9 | 5.4 |
| NE | 1.9 | 5.1 | 2.5 | .2 | | | | | | | | 9.7 | 5.4 |
| ENE | 2.3 | 3.7 | 1.1 | .4 | | | | | | | | 7.4 | 5.1 |
| E | 2.2 | 4.3 | 1.2 | .1 | | | | | | | | 7.7 | 4.8 |
| ESE | 1.2 | 1.0 | .1 | | | | | | | | | 2.3 | 3.7 |
| SE | 1.6 | .8 | .4 | | | | | | | | | 2.8 | 3.8 |
| SSE | 1.2 | 2.0 | .4 | | | | | | | | | 3.7 | 4.4 |
| S | 3.5 | 5.6 | 4.4 | .3 | | | | | | | | 13.9 | 5.5 |
| SSW | 1.6 | 8.3 | 7.8 | 1.5 | .1 | | | | | | | 19.4 | 6.8 |
| SW | 1.3 | 3.4 | 4.6 | 1.9 | | | | | | | | 11.3 | 7.4 |
| WSW | .6 | 1.3 | 1.6 | .4 | .1 | | | | | | | 4.1 | 6.9 |
| W | 1.0 | .9 | .3 | | .2 | | | | | | | 2.4 | 5.8 |
| WNW | .5 | | .1 | | | | | | | | | .6 | 2.8 |
| NW | .3 | .2 | .2 | .1 | | | | | | | | .9 | 6.1 |
| NNW | .2 | .1 | .3 | .1 | | | | | | | | .8 | 6.7 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 7.1 | //// |
| TOTALS | 21.4 | 39.1 | 26.3 | 5.5 | .5 | | | | | | | 100.0 | 5.4 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 75-84
 MONTH: AUG HOURS(LST): 0600-0800

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .5 | .8 | .3 | | | | | | | | | 1.6 | 4.7 |
| NNE | 1.5 | 1.5 | .8 | .2 | | | | | | | | 4.0 | 5.1 |
| NE | 2.4 | 3.5 | 2.7 | .2 | | | | | | | | 8.8 | 5.4 |
| ENE | 3.7 | 4.2 | 3.1 | | | | | | | | | 11.0 | 4.7 |
| E | 2.7 | 5.1 | 1.5 | | | | | | | | | 9.2 | 4.4 |
| ESE | 1.7 | 1.0 | | | | | | | | | | 2.7 | 2.9 |
| SE | 1.3 | .6 | .2 | | | | | | | | | 2.2 | 3.4 |
| SSE | 1.6 | 2.5 | .3 | | | | | | | | | 4.4 | 4.0 |
| S | 3.1 | 8.9 | 3.9 | .6 | | | | | | | | 16.6 | 5.5 |
| SSW | 1.9 | 5.7 | 6.5 | 1.0 | | | | | | | | 15.1 | 6.6 |
| SW | .8 | 2.9 | 2.5 | .8 | .1 | | | | | | | 7.0 | 7.0 |
| WSW | .2 | .6 | .4 | .1 | | | | | | | | 1.4 | 5.9 |
| W | .2 | .1 | .2 | | | | | | | | | .5 | 4.6 |
| WNW | .2 | .1 | .1 | | | | | | | | | .4 | 4.0 |
| NW | | .3 | | | | | | | | | | .3 | 4.7 |
| NNW | | .1 | .1 | | | | | | | | | .2 | 5.5 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 14.6 | //// |
| TOTALS | 21.8 | 38.0 | 22.6 | 2.9 | .1 | | | | | | | 100.0 | 4.6 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .6 | 1.0 | .3 | | | | | | | | | 1.9 | 4.5 |
| NNE | 2.2 | 1.4 | .6 | | | | | | | | | 4.2 | 3.9 |
| NF | 4.2 | 2.5 | 1.3 | .2 | | | | | | | | 8.2 | 4.1 |
| ENE | 4.0 | 3.4 | .5 | | | | | | | | | 8.0 | 3.7 |
| E | 2.0 | 1.9 | | | | | | | | | | 4.0 | 3.5 |
| ESE | 1.0 | .5 | | | | | | | | | | 1.5 | 2.9 |
| SE | 1.0 | .3 | .1 | | | | | | | | | 1.4 | 3.2 |
| SSF | 1.8 | 1.7 | .4 | | | | | | | | | 4.0 | 3.9 |
| S | 4.5 | 6.7 | 1.7 | .1 | | | | | | | | 13.0 | 4.5 |
| SSW | 1.9 | 4.8 | 4.1 | .6 | .1 | | | | | | | 11.6 | 6.5 |
| SW | .8 | 2.0 | 1.6 | .3 | | | | | | | | 4.7 | 6.2 |
| MSW | .3 | .3 | .2 | | | | | | | | | .9 | 4.4 |
| W | 1.0 | .6 | .1 | | | | | | | | | 1.7 | 3.8 |
| WNW | .1 | .1 | .2 | .1 | | | | | | | | .5 | 7.4 |
| NW | | | | | | | | | | | | | |
| NNW | .2 | .3 | | | | | | | | | | .5 | 3.6 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 33.9 | //// |
| TOTALS | 25.6 | 27.7 | 11.3 | 1.4 | .1 | | | | | | | 100.0 | 3.1 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 75-84
 MONTH: SEP HOURS (LST): 1800-2000

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | 1.4 | 2.6 | .2 | | | | | | | | | 4.2 | 4.3 |
| NNE | 2.4 | 7.3 | 2.6 | .3 | | | | | | | | 12.7 | 5.1 |
| NE | 1.3 | 1.6 | .7 | | | | | | | | | 3.6 | 4.5 |
| ENE | 1.3 | 1.4 | .1 | .2 | | | | | | | | 3.1 | 4.4 |
| E | 1.8 | .4 | .6 | | | | | | | | | 2.8 | 3.7 |
| ESE | .3 | .1 | | | | | | | | | | .4 | 3.0 |
| SE | .6 | .2 | | | | | | | | | | .8 | 2.4 |
| SSE | 1.0 | .3 | .2 | | | | | | | | | 1.6 | 3.5 |
| S | 3.7 | 1.7 | .4 | | | | | | | | | 5.8 | 3.3 |
| SSW | 3.2 | 2.4 | .8 | .1 | | | | | | | | 6.6 | 4.0 |
| SW | 4.6 | 3.2 | 2.0 | .9 | | | | | | | | 10.7 | 4.9 |
| WSW | 4.6 | 2.6 | 1.7 | 1.1 | | | | | | | | 9.9 | 5.1 |
| W | 2.4 | 1.9 | .8 | .8 | .1 | | | | | | | 6.0 | 5.3 |
| WNW | 1.1 | .8 | .2 | .1 | | | | | | | | 2.2 | 4.7 |
| NW | .1 | .2 | .1 | | | | | | | | | .4 | 4.3 |
| NNW | .1 | .1 | .1 | | | | | | | | | .3 | 4.7 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 29.0 | //// |
| TOTALS | 30.0 | 26.9 | 10.4 | 3.6 | .1 | | | | | | | 100.0 | 3.3 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .9 | 2.0 | .2 | | | | | | | | | 3.1 | 4.0 |
| NNE | 1.3 | 3.1 | 2.0 | .1 | | | | | | | | 6.6 | 5.4 |
| NE | 2.1 | 3.2 | .4 | .3 | | | | | | | | 6.1 | 4.6 |
| ENE | .7 | 2.3 | .6 | .1 | | | | | | | | 3.7 | 5.1 |
| E | .9 | .9 | .1 | | | | | | | | | 1.9 | 3.5 |
| ESE | .2 | | | | | | | | | | | .2 | 2.5 |
| SE | .7 | .6 | | | | | | | | | | 1.2 | 3.1 |
| SSE | .8 | .6 | .1 | | | | | | | | | 1.4 | 3.5 |
| S | 2.4 | 2.0 | .7 | | | | | | | | | 5.1 | 4.1 |
| SSW | 3.0 | 2.0 | 1.6 | .8 | | | | | | | | 7.3 | 5.1 |
| SW | 2.4 | 1.9 | .4 | .7 | .1 | | | | | | | 5.6 | 5.2 |
| WSW | 2.4 | 2.7 | .9 | .3 | | | | | | | | 6.3 | 4.7 |
| W | 4.8 | 3.6 | 1.9 | .4 | .1 | | | | | | | 10.8 | 4.8 |
| WNW | 1.1 | .7 | .3 | .1 | | | | | | | | 2.2 | 4.8 |
| NW | .1 | .4 | .2 | | | | | | | | | .8 | 5.4 |
| NNW | .4 | .6 | .2 | | | | | | | | | 1.2 | 4.2 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 36.4 | //// |
| TOTALS | 24.3 | 26.4 | 9.7 | 2.9 | .2 | | | | | | | 100.0 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | 1.0 | 1.2 | .3 | .0 | | | | | | | | 2.5 | 4.2 |
| NNE | 2.1 | 3.0 | 1.9 | .4 | | | | | | | | 7.5 | 5.4 |
| NE | 2.7 | 3.4 | 2.0 | .6 | .1 | | | | | | | 8.7 | 5.4 |
| ENE | 2.3 | 3.7 | 1.7 | .3 | .0 | | | | | | | 8.1 | 5.1 |
| E | 1.8 | 2.0 | .5 | .0 | | | | | | | | 4.3 | 4.1 |
| ESE | .8 | .4 | .1 | .0 | | | | | | | | 1.3 | 3.4 |
| SE | .8 | .7 | .1 | .0 | | | | | | | | 1.7 | 3.6 |
| SSE | 1.1 | .8 | .2 | | | | | | | | | 2.2 | 3.8 |
| S | 2.7 | 3.1 | 1.7 | .1 | | | | | | | | 7.6 | 4.1 |
| SSW | 2.3 | 3.9 | 3.5 | 1.1 | .0 | | | | | | | 10.9 | 6.3 |
| SW | 1.9 | 2.6 | 3.2 | 1.2 | .1 | | | | | | | 9.0 | 6.9 |
| WSW | 1.4 | 1.7 | 1.6 | .8 | .1 | | | | | | | 5.6 | 6.6 |
| W | 1.7 | 1.7 | 1.3 | .6 | .0 | | | | | | | 5.4 | 5.8 |
| WNW | .6 | .6 | .3 | .1 | | | | | | | | 1.6 | 4.7 |
| NW | .4 | .3 | .1 | .0 | | | | | | | | .8 | 3.9 |
| NNW | .3 | .5 | .1 | .0 | | | | | | | | .9 | 4.1 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 21.9 | //// |
| TOTALS | 23.9 | 29.8 | 18.8 | 5.2 | .4 | | | | | | | 100.0 | 4.3 |

TOTAL NUMBER OF OBSERVATIONS: 7230

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .9 | .8 | .8 | .1 | | | | | | | | 2.5 | 5.2 |
| NNE | 1.2 | .9 | .3 | | | | | | | | | 2.4 | 4.1 |
| NE | 2.6 | 1.6 | .4 | | | | | | | | | 4.6 | 5.7 |
| ENE | 3.1 | 6.0 | 2.0 | | | | | | | | | 11.2 | 4.8 |
| E | 1.1 | 1.1 | .8 | | | | | | | | | 2.9 | 4.4 |
| ESE | .5 | .4 | .2 | | | | | | | | | 1.2 | 3.6 |
| SE | .9 | .1 | .1 | | | | | | | | | 1.1 | 2.6 |
| SSE | .8 | 1.2 | .3 | | | | | | | | | 2.3 | 4.5 |
| S | 2.9 | 3.2 | 1.7 | .1 | | | | | | | | 8.0 | 4.7 |
| SSW | 1.6 | 2.7 | 4.5 | 1.5 | | | | | | | | 10.3 | 7.4 |
| SW | 1.2 | 1.4 | 2.2 | 1.0 | | | | | | | | 5.7 | 7.3 |
| WSW | 1.0 | 1.0 | .6 | .1 | | | | | | | | 2.7 | 5.4 |
| W | 1.6 | 1.1 | .4 | | | | | | | | | 3.1 | 3.6 |
| WNW | .6 | .4 | .3 | | .1 | | | | | | | 1.5 | 5.2 |
| NW | .9 | .6 | | | | | | | | | | 1.5 | 3.5 |
| NNW | .3 | .6 | .1 | | | | | | | | | 1.1 | 4.4 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 38.1 | //// |
| TOTALS | 21.1 | 23.1 | 14.8 | 2.8 | .1 | | | | | | | 100.0 | 3.2 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 75-94
 MONTH: OCT HOURS (LST): 0300-0500

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | 1.0 | .6 | .4 | | | | | | | | | 2.0 | 4.6 |
| NNE | 1.7 | 1.9 | | | | | | | | | | 3.7 | 3.6 |
| NE | 3.7 | 2.7 | .8 | | | | | | | | | 7.1 | 3.6 |
| ENE | 3.1 | 5.8 | 2.0 | .1 | | | | | | | | 11.1 | 4.7 |
| E | 1.7 | 1.7 | 1.1 | .1 | | | | | | | | 4.6 | 4.7 |
| ESE | .8 | .2 | | | | | | | | | | 1.0 | 2.6 |
| SE | .5 | .8 | | | | | | | | | | 1.3 | 3.1 |
| SSF | .6 | 1.5 | .4 | .2 | | | | | | | | 2.8 | 5.3 |
| S | 2.5 | 3.3 | 1.3 | .1 | | | | | | | | 7.2 | 4.6 |
| SSW | .4 | 3.9 | 3.9 | 1.4 | | | | | | | | 9.6 | 7.5 |
| SW | 1.0 | 2.0 | 2.5 | 1.1 | | | | | | | | 6.6 | 7.3 |
| WSW | .6 | .5 | .8 | .3 | | | | | | | | 2.3 | 6.3 |
| W | 1.6 | .8 | .3 | | | | | | | | | 2.7 | 3.7 |
| WNW | .1 | .8 | | | | | | | | | | .9 | 4.8 |
| NW | .1 | .2 | .1 | | | | | | | | | .4 | 4.8 |
| NNW | .2 | .6 | | | | | | | | | | .9 | 4.4 |
| VARIABLE | //////////////////////////////////// | | | | | | | | | | | 36.0 | //// |
| CALM | //////////////////////////////////// | | | | | | | | | | | 36.0 | //// |
| TOTALS | 19.7 | 27.4 | 13.5 | 3.3 | | | | | | | | 100.0 | 3.3 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/LMAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 75-84
 MONTH: OCT HOURS(UT): 0600-0800

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .8 | .6 | .9 | .1 | | | | | | | | 1.9 | 5.3 |
| NNE | 2.7 | 2.5 | .3 | | | | | | | | | 5.5 | 3.7 |
| NE | 2.4 | 3.2 | 2.3 | | | | | | | | | 7.8 | 4.8 |
| ENE | 3.8 | 6.3 | 3.7 | .1 | | | | | | | | 13.9 | 5.2 |
| E | 2.9 | 3.1 | .8 | | | | | | | | | 6.8 | 3.9 |
| ESE | 1.3 | .5 | | | | | | | | | | 1.8 | 2.6 |
| SE | 1.6 | .8 | .1 | | | | | | | | | 2.5 | 3.2 |
| SSE | 1.6 | 1.2 | .6 | | | | | | | | | 3.4 | 4.3 |
| S | 2.9 | 3.5 | 2.3 | .6 | | | | | | | | 9.4 | 5.4 |
| SSW | 1.4 | 3.5 | 4.2 | 1.1 | | | | | | | | 10.2 | 6.9 |
| SW | 1.1 | 1.5 | 1.9 | .6 | .2 | | | | | | | 5.4 | 7.1 |
| WSW | .3 | .6 | .7 | .1 | | | | | | | | 1.9 | 6.9 |
| W | .8 | .9 | .1 | | | | | | | | | 1.7 | 3.9 |
| WNW | .3 | .3 | | | | | | | | | | .6 | 3.2 |
| NW | .3 | .4 | | | | | | | | | | .8 | 3.4 |
| NNW | .4 | .3 | .1 | | | | | | | | | .9 | 3.8 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 25.5 | //// |
| TOTALS | 24.5 | 29.5 | 17.6 | 2.7 | .2 | | | | | | | 100.0 | 3.8 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .5 | .2 | .1 | 1.0 | | | | | | | | 1.8 | 6.4 |
| NNE | 1.1 | 2.5 | 1.0 | .2 | | | | | | | | 4.7 | 5.5 |
| NE | 1.6 | 5.1 | 3.5 | .5 | | | | | | | | 10.8 | 6.1 |
| ENE | 1.8 | 7.5 | 4.6 | .5 | | | | | | | | 14.5 | 5.9 |
| E | 3.1 | 2.5 | 1.9 | .1 | | | | | | | | 7.6 | 4.7 |
| ESE | .5 | 1.1 | .2 | | | | | | | | | 1.8 | 4.5 |
| SE | .9 | 1.4 | .5 | | | | | | | | | 2.8 | 4.7 |
| SSE | .9 | 2.4 | 1.3 | | | | | | | | | 4.5 | 5.5 |
| S | 3.1 | 5.7 | 4.5 | .6 | | | | | | | | 14.0 | 5.9 |
| SSW | 1.4 | 4.1 | 4.5 | 2.7 | .5 | | | | | | | 13.2 | 8.0 |
| SW | 1.2 | 2.9 | 2.9 | 2.0 | .2 | | | | | | | 9.2 | 7.8 |
| WSW | .5 | .9 | 1.6 | .9 | | | | | | | | 3.9 | 7.8 |
| W | .5 | .4 | .3 | .2 | | | | | | | | 1.5 | 6.1 |
| WNW | .4 | .2 | .1 | | | | | | | | | .8 | 3.6 |
| NW | .2 | .2 | .2 | | | | | | | | | .6 | 5.3 |
| NNW | .2 | .1 | .1 | | | | | | | | | .4 | 4.8 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 7.7 | //// |
| TOTALS | 18.1 | 37.1 | 27.5 | 8.8 | .8 | | | | | | | 100.0 | 5.8 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | 1.7 | .5 | .5 | .1 | | | | | | | | 2.9 | 4.4 |
| NNE | 2.9 | 2.5 | 1.1 | .6 | | | | | | | | 7.1 | 5.1 |
| NE | 2.4 | 5.1 | 1.8 | .3 | | | | | | | | 9.6 | 5.0 |
| ENE | 1.7 | 3.0 | 2.5 | .2 | | | | | | | | 7.4 | 5.7 |
| E | 2.3 | 2.0 | 1.3 | .1 | | | | | | | | 5.7 | 4.5 |
| ESE | 1.0 | .6 | .3 | .1 | | | | | | | | 2.0 | 4.6 |
| SE | .3 | .6 | .3 | | | | | | | | | 1.3 | 5.0 |
| SSE | .5 | .8 | 1.2 | .5 | | | | | | | | 3.0 | 7.1 |
| S | 1.5 | 4.4 | 3.2 | .3 | | | | | | | | 9.5 | 6.0 |
| SSW | 1.8 | 4.6 | 5.5 | 1.8 | .2 | .1 | | | | | | 14.1 | 7.5 |
| SW | 1.3 | 3.5 | 5.9 | 4.7 | .5 | | | | | | | 16.0 | 9.1 |
| WSW | 1.4 | 1.1 | 1.9 | 1.4 | .2 | | | | | | | 6.0 | 8.0 |
| W | 1.3 | 2.0 | 1.1 | .1 | | | | | | | | 4.5 | 5.4 |
| WNW | .5 | .2 | .4 | | | | | | | | | 1.2 | 4.5 |
| NW | .4 | .5 | .1 | | | | | | | | | 1.1 | 3.7 |
| NNW | .3 | .1 | .2 | | | | | | | | | .6 | 4.2 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 8.0 | //// |
| TOTALS | 21.4 | 31.7 | 27.4 | 10.4 | 1.0 | .1 | | | | | | 100.0 | 6.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | 1.5 | 1.1 | .2 | .2 | | | | | | | | 3.0 | 4.1 |
| NNE | 2.9 | 3.8 | 1.5 | .2 | .1 | | | | | | | 8.5 | 4.8 |
| NE | 2.7 | 2.9 | 2.2 | .2 | | | | | | | | 8.0 | 5.2 |
| ENE | 1.9 | 3.9 | .9 | | | | | | | | | 6.7 | 4.5 |
| E | 1.5 | 1.0 | .3 | | | | | | | | | 2.8 | 3.7 |
| ESE | .5 | .4 | .1 | | | | | | | | | 1.1 | 3.9 |
| SE | .2 | .1 | | | | | | | | | | .3 | 2.3 |
| SSE | 1.3 | 1.0 | .3 | | | | | | | | | 2.6 | 4.2 |
| S | 1.8 | 3.9 | 1.9 | .2 | | | | | | | | 7.8 | 5.2 |
| SSW | 2.4 | 4.4 | 3.5 | .9 | | .3 | | | | | | 11.5 | 6.4 |
| SW | 2.9 | 4.1 | 4.8 | 2.3 | .5 | | | | | | | 14.6 | 7.5 |
| WSW | 1.4 | 1.8 | 3.2 | 1.2 | .2 | | | | | | | 7.8 | 7.6 |
| W | 2.2 | 1.8 | 1.2 | .3 | .2 | | | | | | | 5.7 | 5.6 |
| WNW | 1.2 | 1.2 | .8 | .2 | | | | | | | | 3.3 | 5.2 |
| NW | .6 | .1 | .1 | | | | | | | | | .9 | 3.4 |
| NNW | .8 | .1 | .2 | | | | | | | | | 1.3 | 3.7 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 14.1 | //// | |
| TOTALS | 25.8 | 31.7 | 21.3 | 5.7 | 1.1 | .3 | | | | | | 100.0 | 4.9 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 75-84
 MONTH: OCT HOURS (LST): 1800-2000

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | 1.4 | 1.0 | .2 | | .1 | | | | | | | 2.7 | 3.9 |
| NNE | 3.0 | 3.5 | 1.0 | .1 | | | | | | | | 7.6 | 4.4 |
| NF | 1.1 | 2.2 | .3 | | | | | | | | | 3.5 | 4.0 |
| ENE | 2.5 | 2.2 | 1.2 | .1 | | | | | | | | 5.9 | 4.5 |
| E | 1.8 | 1.0 | .2 | | | | | | | | | 3.0 | 3.1 |
| ESE | .5 | .3 | | | | | | | | | | .9 | 3.0 |
| SE | .6 | .4 | | | | | | | | | | 1.1 | 3.1 |
| SSE | .6 | .4 | .4 | | | | | | | | | 1.5 | 4.4 |
| S | 3.9 | 3.0 | .5 | .3 | | | | | | | | 7.7 | 4.0 |
| SSW | 2.7 | 4.2 | 1.5 | .4 | .1 | | | | | | | 8.9 | 5.2 |
| SW | 2.7 | 1.9 | 2.0 | .6 | .1 | .1 | | | | | | 7.5 | 6.0 |
| WSW | 2.3 | 2.3 | 1.4 | 1.1 | | | | | | | | 7.0 | 5.9 |
| W | 2.7 | 2.0 | .6 | .3 | | | | | | | | 5.7 | 4.4 |
| WNW | .9 | 1.0 | .1 | .1 | | | | | | | | 2.0 | 4.3 |
| NW | .5 | .3 | | .1 | | | | | | | | 1.0 | 4.2 |
| NNW | .2 | .4 | | | | | | | | | | .6 | 3.2 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 33.2 | //// |
| TOTALS | 27.4 | 26.1 | 9.6 | 3.2 | .3 | .1 | | | | | | 100.0 | 3.1 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .3 | .9 | .1 | | | | | | | | | 1.3 | 4.4 |
| NNE | 1.5 | 1.6 | .8 | | | | | | | | | 3.9 | 4.3 |
| NE | 2.3 | 2.7 | .6 | | | | | | | | | 5.6 | 4.2 |
| ENE | 2.0 | 4.1 | .8 | | | | | | | | | 6.9 | 4.4 |
| E | .9 | 1.1 | .6 | | | | | | | | | 2.6 | 4.6 |
| ESE | .3 | .2 | | | | | | | | | | .5 | 3.0 |
| SE | .9 | .2 | | | | | | | | | | 1.1 | 2.8 |
| SSE | 1.0 | 1.1 | .2 | | | | | | | | | 2.3 | 4.0 |
| S | 2.3 | 3.4 | 1.7 | .3 | | | | | | | | 7.7 | 5.1 |
| SSW | 2.5 | 3.9 | 2.6 | 1.5 | | | | | | | | 10.4 | 6.2 |
| SW | 1.8 | 2.4 | 2.2 | .6 | | | | | | | | 7.0 | 6.0 |
| WSW | 1.6 | 1.2 | .9 | | | | | | | | | 3.7 | 4.4 |
| W | 4.2 | 2.5 | .5 | .1 | | | | | | | | 7.3 | 3.5 |
| WNW | .9 | .8 | .2 | .1 | | | | | | | | 1.9 | 4.3 |
| NW | .2 | .8 | .1 | | | | | | | | | 1.1 | 3.9 |
| NNW | .4 | .6 | | | | | | | | | | 1.1 | 3.9 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 35.7 | //// | |
| TOTALS | 23.0 | 27.3 | 11.3 | 2.7 | | | | | | | | 100.0 | 3.1 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | 1.0 | .7 | .3 | .2 | .0 | | | | | | | 2.3 | 4.9 |
| NNE | 2.1 | 2.4 | .7 | .1 | .0 | | | | | | | 5.4 | 4.5 |
| NE | 2.3 | 3.2 | 1.5 | .1 | | | | | | | | 7.1 | 4.8 |
| ENE | 2.5 | 4.9 | 2.2 | .1 | | | | | | | | 9.7 | 5.1 |
| E | 1.9 | 1.7 | .9 | .0 | | | | | | | | 4.5 | 4.3 |
| ESE | .7 | .5 | .1 | .0 | | | | | | | | 1.3 | 3.6 |
| SE | .7 | .6 | .1 | | | | | | | | | 1.4 | 3.6 |
| SSE | .9 | 1.2 | .6 | .1 | | | | | | | | 2.8 | 5.0 |
| S | 2.6 | 3.8 | 2.2 | .3 | | | | | | | | 8.9 | 5.2 |
| SSW | 1.8 | 3.9 | 3.8 | 1.4 | .1 | .1 | | | | | | 11.0 | 7.0 |
| SW | 1.6 | 2.5 | 3.1 | 1.6 | .2 | .0 | | | | | | 9.0 | 7.5 |
| WSW | 1.1 | 1.2 | 1.4 | .6 | .1 | | | | | | | 4.4 | 6.7 |
| W | 1.9 | 1.4 | .6 | .1 | .0 | | | | | | | 4.0 | 4.5 |
| WNW | .6 | .6 | .2 | .1 | .0 | | | | | | | 1.5 | 4.6 |
| NW | .4 | .4 | .1 | .0 | | | | | | | | .9 | 3.9 |
| NNW | .4 | .4 | .1 | | | | | | | | | .9 | 4.0 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 24.8 | //// |
| TOTALS | 22.6 | 29.2 | 17.9 | 5.0 | .4 | .1 | | | | | | 100.0 | 4.1 |

TOTAL NUMBER OF OBSERVATIONS: 7440

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .3 | .7 | .1 | | | | | | | | | 1.1 | 4.2 |
| NNE | 2.8 | 2.1 | 1.6 | .4 | .2 | | | | | | | 7.1 | 5.5 |
| NE | 2.7 | 5.3 | 2.7 | 1.0 | .1 | .1 | | | | | | 11.9 | 6.3 |
| ENE | 2.8 | 4.7 | 2.4 | .3 | | | | | | | | 10.2 | 5.3 |
| E | 2.1 | 1.3 | .6 | | | | | | | | | 4.0 | 3.6 |
| ESE | .6 | .2 | | | | | | | | | | .8 | 2.7 |
| SE | 1.1 | .9 | .1 | | | | | | | | | 1.7 | 3.2 |
| SSE | 1.9 | 1.4 | .8 | .1 | | | | | | | | 4.2 | 4.6 |
| S | 1.4 | 4.1 | 2.9 | .3 | | | | | | | | 8.8 | 5.9 |
| SSW | 1.6 | 2.6 | 5.3 | 3.3 | .6 | | | | | | | 13.3 | 8.8 |
| SW | 1.3 | 1.8 | 2.7 | 1.4 | .1 | .2 | | | | | | 7.6 | 6.1 |
| WSW | .7 | .7 | .2 | .7 | | | | | | | | 2.2 | 7.3 |
| W | .6 | .4 | .7 | .1 | | | | | | | | 1.8 | 5.8 |
| WNW | .1 | .4 | .1 | | | | | | | | | .7 | 5.3 |
| NW | .2 | .3 | .1 | | | | | | | | | .7 | 4.5 |
| NNW | .6 | .4 | .1 | | | | | | | | | 1.1 | 3.4 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 22.9 | //// |
| TOTALS | 20.7 | 27.0 | 20.3 | 7.8 | 1.0 | .3 | | | | | | 100.0 | 4.8 |

TOTAL NUMBER OF OBSERVATIONS: 10

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .8 | .7 | .3 | | | | | | | | | 1.8 | 4.3 |
| NNE | 2.6 | 4.0 | 1.8 | .7 | | | | | | | | 9.0 | 5.6 |
| NE | 2.3 | 4.4 | 3.0 | 1.0 | .3 | .1 | | | | | | 11.2 | 6.6 |
| NNE | 3.1 | 5.1 | 2.2 | .2 | | | | | | | | 10.7 | 4.8 |
| E | 1.8 | 1.4 | .4 | | | | | | | | | 3.7 | 4.1 |
| ESE | .7 | 1.0 | | | | | | | | | | 1.7 | 3.7 |
| SE | .9 | 1.4 | .6 | .2 | | | | | | | | 3.1 | 5.4 |
| SSE | 1.7 | 1.2 | 1.2 | .1 | .2 | | | | | | | 4.4 | 5.7 |
| S | 2.7 | 3.9 | 3.9 | .3 | | .1 | | | | | | 9.9 | 6.3 |
| SSW | 1.2 | 2.3 | 4.4 | 1.8 | .3 | | | | | | | 10.1 | 6.2 |
| SW | .6 | 1.4 | 2.6 | 2.1 | .7 | .1 | | | | | | 7.4 | 9.9 |
| WSW | .4 | .6 | .8 | .4 | | .1 | | | | | | 2.3 | 8.3 |
| W | .9 | .2 | .1 | .1 | | | | | | | | 1.3 | 3.9 |
| WNW | .1 | .2 | | | | | | | | | | .3 | 4.3 |
| NW | .1 | .4 | | | | | | | | | | .6 | 4.6 |
| NNW | | .2 | | | | | | | | | | .2 | 5.0 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 22.2 | //// |
| TOTALS | 18.8 | 28.7 | 21.3 | 7.0 | 1.6 | .4 | | | | | | 100.0 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/ZMAL

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

STATION NUMBER: 227855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 75-84
 MONTH: DEC HOURS/LEST: 1800-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | 1.1 | 1.0 | .5 | .1 | | | | | | | | 2.7 | 4.9 |
| NNE | 3.9 | 4.3 | 2.7 | .2 | | | | | | | | 11.1 | 4.9 |
| NE | 1.9 | 3.7 | 2.0 | .4 | .3 | | | | | | | 8.4 | 5.9 |
| ENE | 2.2 | 2.6 | .6 | .2 | | | | | | | | 5.6 | 4.6 |
| E | 1.8 | 1.2 | .1 | | | | | | | | | 3.1 | 3.4 |
| ESE | 1.0 | .5 | .2 | | | | | | | | | 1.7 | 3.6 |
| SE | .6 | .8 | .4 | .4 | | | | | | | | 2.3 | 6.2 |
| SSE | .6 | 1.1 | .6 | .3 | | | | | | | | 2.7 | 6.2 |
| S | 1.6 | 3.0 | 1.5 | .6 | .1 | | | | | | | 6.9 | 6.1 |
| SSW | 1.4 | 2.5 | 3.3 | 1.7 | 1.3 | | | | | | | 10.2 | 9.0 |
| SW | 1.0 | .9 | 1.8 | 1.7 | 1.1 | .6 | | | | | | 7.1 | 11.5 |
| WSW | .6 | .9 | .9 | .2 | .1 | | | | | | | 2.7 | 6.4 |
| W | 1.3 | 1.7 | .8 | .3 | | | | | | | | 4.1 | 5.0 |
| WNW | .8 | .4 | .3 | | | | | | | | | 1.5 | 4.7 |
| NW | .2 | .3 | .1 | | | | | | | | | .6 | 4.5 |
| NNW | .6 | .9 | .3 | | | | | | | | | 1.8 | 4.2 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 27.5 | //// | |
| TOTALS | 20.6 | 25.6 | 16.3 | 6.3 | 2.9 | .6 | | | | | | 100.0 | 4.6 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAPETAC
 AIR WEATHER SERVICE/LMAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .9 | .9 | .6 | | | | | | | | | 2.4 | 5.3 |
| NNE | 3.0 | 4.4 | 2.9 | .2 | | | | | | | | 10.5 | 5.3 |
| NE | 1.9 | 3.9 | 2.7 | 1.4 | .1 | | | | | | | 10.0 | 6.6 |
| ENE | 2.7 | 3.5 | 1.5 | .2 | | | | | | | | 8.0 | 4.8 |
| E | 1.4 | 1.5 | .2 | | | | | | | | | 3.1 | 3.9 |
| ESE | .5 | .5 | .3 | | | | | | | | | 1.4 | 4.6 |
| SE | 1.4 | 1.0 | .2 | .2 | | | | | | | | 2.8 | 4.0 |
| SESE | 1.1 | 1.2 | 1.2 | .1 | .1 | .1 | | | | | | 3.8 | 6.4 |
| S | 3.1 | 3.3 | .8 | .5 | .1 | | | | | | | 7.8 | 4.7 |
| SSW | 1.4 | 1.8 | 3.8 | 2.7 | 1.3 | .3 | | | | | | 11.3 | 10.0 |
| SW | 1.8 | 1.1 | 1.4 | 1.9 | .8 | .2 | | | | | | 7.2 | 9.4 |
| WSW | .9 | 1.3 | 1.6 | .5 | | | | | | | | 4.3 | 6.7 |
| W | 1.4 | 2.6 | 1.0 | 1.2 | .1 | | | | | | | 6.2 | 6.5 |
| WNW | .9 | .4 | .3 | | | | | | | | | 1.6 | 4.0 |
| NW | .4 | .5 | .1 | | | | | | | | | 1.1 | 4.2 |
| NNW | .8 | .4 | | | | | | | | | | 1.2 | 3.4 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 17.3 | //// |
| TOTALS | 23.5 | 28.4 | 18.6 | 9.0 | 2.5 | .6 | | | | | | 100.0 | 5.3 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .4 | .8 | .3 | | | | | | | | | 1.5 | 4.8 |
| NNE | 1.7 | 3.4 | 2.6 | .6 | | | | | | | | 8.4 | 6.0 |
| NE | 2.4 | 5.7 | 3.7 | 1.6 | .3 | | | | | | | 13.7 | 6.7 |
| ENE | 2.5 | 5.6 | 2.7 | .2 | | | | | | | | 11.0 | 5.2 |
| E | 2.0 | 1.5 | | | | | | | | | | 3.5 | 3.3 |
| ESE | .8 | 1.1 | | | | | | | | | | 1.9 | 4.2 |
| SE | .4 | .8 | | | | | | | | | | 1.2 | 3.8 |
| SSE | 1.3 | 1.3 | .8 | .3 | | | | | | | | 3.7 | 5.6 |
| S | 2.5 | 9.0 | 2.5 | .8 | .3 | | | | | | | 9.8 | 6.1 |
| SSW | 1.3 | 2.2 | 3.7 | 3.3 | 1.4 | .2 | | | | | | 12.0 | 10.1 |
| SW | .4 | 1.6 | 1.3 | 3.5 | .8 | .2 | | | | | | 7.8 | 11.1 |
| WSW | 1.0 | 1.3 | .6 | 1.2 | .2 | .2 | | | | | | 4.5 | 8.5 |
| W | 1.1 | .6 | .6 | 1.1 | .3 | | | | | | | 3.8 | 8.3 |
| WNW | .5 | .4 | .2 | .1 | | | | | | | | 1.3 | 5.0 |
| NW | .4 | .6 | .2 | | | | | | | | | 1.3 | 4.8 |
| NNW | .3 | .9 | .6 | .1 | | | | | | | | 1.9 | 6.2 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 12.8 | //// |
| TOTALS | 19.0 | 31.7 | 19.8 | 12.9 | 3.1 | .6 | | | | | | 100.6 | 6.1 |

TOTAL NUMBER OF OBSERVATIONS: 930

FEDERAL METEOROLOGICAL BUREAU OF SURVEY
 AIR WEATHER SERVICE
 PERCENTAGE FREQUENCY OF OCCURRENCE OF SECTOR WIND DIRECTION VERSUS WIND SPEED
 FROM ROUTINE OBSERVATIONS

STATION NUMBER: 27255 STATION NAME: FAIRFIELD AFB GA

PERIOD OF RECORD: 75-84
 MONTH: 10 HOURS: 0500-1100

| DIRECTION (COMPOSITE) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|--------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | 56-50 | | |
| N | 1.0 | 1.3 | .9 | .1 | | | | | | | | 2.4 | 4.7 |
| NNE | 2.3 | 5.1 | 1.7 | .8 | .1 | | | | | | | 9.9 | 5.9 |
| NE | 2.0 | 3.3 | 4.0 | 1.2 | .2 | | | | | | | 10.8 | 6.7 |
| ENE | 1.6 | 4.0 | 3.1 | .2 | .1 | | | | | | | 9.0 | 5.9 |
| E | 2.8 | 2.2 | .1 | | | | | | | | | 5.1 | 3.4 |
| ESE | .8 | .9 | .1 | | | | | | | | | 1.8 | 3.7 |
| S | .8 | .3 | | | | | | | | | | 1.1 | 3.1 |
| SSE | 1.1 | 2.0 | .3 | .3 | | | | | | | | 3.8 | 5.1 |
| S | 2.7 | 3.0 | 3.9 | 1.7 | .1 | | | | | | | 11.4 | 6.8 |
| SSW | 1.2 | 1.9 | 3.1 | 2.7 | .5 | .1 | .1 | | | | | 10.1 | 9.2 |
| SW | .9 | 1.8 | 2.0 | 2.7 | .9 | .9 | | | | | | 8.7 | 11.9 |
| WSW | .7 | .3 | 1.9 | .9 | | | | | | | | 2.8 | 9.8 |
| W | .3 | .9 | 1.8 | .9 | .7 | | | | | | | 3.9 | 9.0 |
| WNW | .3 | .9 | | .3 | | | | | | | | 1.1 | 6.8 |
| W | .1 | .7 | .1 | | | | | | | | | .5 | 5.8 |
| WNW | .7 | .1 | | | | | | | | | | .5 | 2.9 |
| VARIABLE | | | | | | | | | | | | | |
| CALC | //////////////////// | | | | | | | | | | | 17.3 | //// |
| TOTALS | 17.4 | 27.8 | 22.0 | 11.7 | 2.2 | 1.0 | .1 | | | | | 100.0 | 5.8 |

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 75-84
 MONTH: DEC HOURS(LST): 0600-0800

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .8 | 1.1 | .3 | | | | | | | | | 2.2 | 4.4 |
| NNE | 2.6 | 4.5 | 1.6 | .2 | .3 | | | | | | | 9.2 | 5.5 |
| NE | 2.7 | 4.4 | 2.8 | .6 | | | | | | | | 10.5 | 5.5 |
| ENE | 3.0 | 3.8 | 1.9 | .1 | | | | | | | | 8.8 | 4.7 |
| E | 2.7 | 1.3 | | | | | | | | | | 4.0 | 3.0 |
| ESE | .4 | .2 | | | | | | | | | | .6 | 3.2 |
| SE | .5 | .6 | .1 | .2 | | | | | | | | 1.5 | 5.6 |
| SSE | .8 | 1.6 | .3 | | | | | | | | | 2.7 | 4.5 |
| S | 2.6 | 3.7 | 1.7 | .6 | .2 | .1 | | | | | | 8.9 | 6.2 |
| SSW | 1.1 | 2.3 | 2.6 | 3.0 | .5 | | | | | | | 9.5 | 9.2 |
| SW | .6 | 1.2 | 3.3 | 2.8 | 1.0 | .3 | .1 | | | | | 9.4 | 11.2 |
| WSW | .3 | .4 | 1.0 | 1.2 | .3 | | | | | | | 3.2 | 9.8 |
| W | .6 | .8 | .3 | .1 | | | | | | | | 1.8 | 5.4 |
| WNW | .2 | .2 | .3 | | | | | | | | | .8 | 5.0 |
| NW | .4 | .2 | | | | | | | | | | .6 | 3.5 |
| NNW | .4 | .5 | .1 | .1 | | | | | | | | 1.2 | 4.9 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 25.1 | //// |
| TOTALS | 19.8 | 26.8 | 16.5 | 9.0 | 2.4 | .4 | .1 | | | | | 100.0 | 4.9 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .4 | 1.5 | .6 | .1 | | | | | | | | 2.7 | 5.3 |
| NNE | 2.6 | 3.9 | 1.7 | .8 | .1 | | | | | | | 9.0 | 5.4 |
| NE | 3.4 | 4.2 | 2.7 | .2 | | | | | | | | 10.5 | 4.9 |
| ENE | 3.1 | 3.0 | 1.2 | .1 | | | | | | | | 7.4 | 4.5 |
| E | .8 | 1.3 | .3 | | | | | | | | | 2.4 | 4.4 |
| ESE | .5 | .3 | .1 | .2 | | | | | | | | 1.1 | 4.2 |
| SE | .9 | .4 | .1 | | | | | | | | | 1.4 | 3.5 |
| SSE | .9 | 1.1 | .5 | .1 | | | | | | | | 2.6 | 5.0 |
| S | 2.7 | 3.0 | .9 | 1.3 | .1 | | | | | | | 8.0 | 6.0 |
| SSW | .9 | 2.6 | 3.7 | 2.2 | 2.0 | .5 | | | | | | 11.8 | 10.6 |
| SW | .3 | 1.3 | 2.2 | 3.7 | 1.0 | .5 | | | | | | 8.9 | 11.9 |
| WSW | .3 | .6 | .4 | 1.1 | .3 | | | | | | | 2.8 | 10.2 |
| W | 1.0 | 1.4 | .5 | .1 | .1 | | | | | | | 3.1 | 5.5 |
| WNW | .4 | .5 | | .1 | | | | | | | | 1.1 | 4.5 |
| NW | .3 | .5 | .1 | | | | | | | | | 1.0 | 4.9 |
| NNW | .2 | .2 | .2 | | | | | | | | | .6 | 4.3 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 25.6 | //// |
| TOTALS | 18.7 | 25.9 | 15.3 | 9.8 | 3.7 | 1.1 | | | | | | 100.0 | 5.2 |

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | 1.0 | 1.5 | .8 | | | | | | | | | 3.2 | 4.7 |
| NNE | 1.8 | 5.2 | 1.8 | .3 | .2 | | | | | | | 9.4 | 5.5 |
| NE | 2.5 | 3.0 | 1.7 | .2 | .1 | | | | | | | 7.5 | 5.1 |
| ENE | 3.0 | 2.6 | 1.2 | .2 | | | | | | | | 7.0 | 4.4 |
| E | 1.6 | 1.1 | .3 | | | | | | | | | 3.0 | 3.7 |
| ESE | .6 | .4 | .2 | | | | | | | | | 1.3 | 4.0 |
| SE | .6 | .5 | .3 | | | | | | | | | 1.5 | 4.4 |
| SSE | 1.0 | 1.0 | 1.0 | .2 | .2 | | | | | | | 3.3 | 6.2 |
| S | 1.6 | 2.4 | 2.4 | 1.5 | .2 | | | | | | | 8.1 | 7.4 |
| SSW | 1.0 | 1.7 | 2.2 | 2.3 | .9 | .4 | | | | | | 8.4 | 10.0 |
| SW | .8 | 1.0 | 2.8 | 3.7 | 1.9 | .2 | | | | | | 10.3 | 11.8 |
| WSW | .1 | .9 | .5 | .6 | .2 | | | | | | | 2.4 | 9.0 |
| W | .6 | 1.6 | .5 | .2 | .1 | | | | | | | 3.1 | 6.0 |
| WNW | .3 | .8 | | | | | | | | | | 1.1 | 4.0 |
| NW | .6 | .2 | .2 | | | | | | | | | 1.1 | 3.1 |
| NNW | .3 | .5 | .2 | | | | | | | | | 1.1 | 4.8 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 28.3 | //// |
| TOTALS | 17.5 | 24.3 | 16.1 | 9.2 | 3.9 | .6 | | | | | | 100.0 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 75-84
 MONTH: NOV HOURS(1ST): ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | 1.0 | .6 | .2 | .1 | | | | | | | | 1.9 | 4.0 |
| NNE | 2.1 | 3.4 | 2.2 | .7 | .1 | .0 | | | | | | 8.5 | 6.1 |
| NE | 1.9 | 5.2 | 3.4 | 1.3 | .2 | .0 | | | | | | 12.1 | 6.7 |
| ENE | 2.5 | 4.7 | 2.4 | .4 | .0 | .0 | | | | | | 10.0 | 5.3 |
| E | 1.9 | 1.7 | .6 | .0 | | | | | | | | 4.3 | 4.1 |
| ESE | 1.0 | .7 | .2 | .0 | | | | | | | | 2.0 | 3.9 |
| SE | 1.0 | .8 | .3 | .1 | | | | | | | | 2.3 | 4.6 |
| SSE | 1.3 | 1.4 | 1.1 | .2 | .0 | | | | | | | 4.0 | 5.5 |
| S | 2.0 | 3.8 | 3.0 | .9 | .0 | .0 | .0 | | | | | 9.8 | 6.3 |
| SSW | 1.2 | 2.6 | 4.6 | 2.3 | .5 | .1 | | | | | | 11.3 | 8.6 |
| SW | .9 | 1.6 | 2.5 | 2.4 | .3 | .1 | .0 | | | | | 7.8 | 9.2 |
| WSW | .6 | .9 | .8 | .6 | .1 | .0 | | | | | | 3.1 | 7.7 |
| W | .7 | .6 | .4 | .4 | .1 | | | | | | | 2.3 | 6.7 |
| WNW | .3 | .3 | .2 | .0 | | | | | | | | .8 | 5.0 |
| NW | .1 | .3 | .2 | | | | | | | | | .6 | 5.3 |
| NNW | .2 | .3 | .1 | .0 | | | | | | | | .7 | 4.3 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 18.6 | //// |
| TOTALS | 18.8 | 29.1 | 22.3 | 9.4 | 1.4 | .4 | .0 | | | | | 100.0 | 5.3 |

TOTAL NUMBER OF OBSERVATIONS: 7199

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB MA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | 1.8 | .9 | .2 | .1 | | | | | | | | 3.0 | 3.6 |
| NNE | 2.4 | 3.4 | 1.7 | .6 | .1 | | | | | | | 8.2 | 5.6 |
| NE | 2.6 | 4.6 | 2.7 | 1.2 | | | | | | | | 11.0 | 6.1 |
| ENE | 2.7 | 4.1 | 2.3 | .2 | | | | | | | | 9.3 | 5.1 |
| E | 2.1 | 1.3 | .3 | | | | | | | | | 3.8 | 3.4 |
| ESE | 1.4 | .8 | .1 | | | | | | | | | 2.3 | 3.2 |
| SE | 1.0 | .2 | .2 | | | | | | | | | 1.4 | 3.7 |
| SSE | 1.2 | 1.7 | 1.6 | | | | | | | | | 4.4 | 5.4 |
| S | 1.9 | 2.7 | 3.0 | 1.0 | | | | | | | | 8.6 | 6.4 |
| SSW | .9 | 2.6 | 4.7 | 2.8 | .4 | | | | | | | 11.3 | 8.9 |
| SW | .7 | 1.1 | 2.1 | 1.8 | .2 | .1 | | | | | | 6.0 | 9.1 |
| WSW | .9 | 1.4 | .9 | .4 | | | | | | | | 3.7 | 6.0 |
| W | .9 | 1.1 | .3 | | | | | | | | | 2.3 | 4.2 |
| WNW | .7 | .3 | | | | | | | | | | 1.0 | 3.1 |
| NW | | .3 | .2 | | | | | | | | | .6 | 7.2 |
| NNW | .6 | .3 | .2 | | | | | | | | | 1.1 | 3.7 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 21.9 | //// |
| TOTALS | 21.7 | 26.9 | 20.6 | 8.1 | .8 | .1 | | | | | | 100.0 | 4.7 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | 1.7 | .6 | | | | | | | | | | 2.2 | 2.8 |
| NNE | 2.7 | 4.0 | 2.8 | .3 | .1 | | | | | | | 9.9 | 5.5 |
| NE | 1.8 | 5.1 | 2.2 | 1.0 | .1 | | | | | | | 10.2 | 6.1 |
| ENE | 2.6 | 4.1 | 1.8 | .1 | | | | | | | | 8.6 | 4.8 |
| E | 1.3 | 1.1 | .4 | | | | | | | | | 2.9 | 4.0 |
| ESE | .7 | .4 | .2 | | | | | | | | | 1.3 | 4.1 |
| SE | .7 | 1.2 | .1 | | | | | | | | | 2.0 | 4.4 |
| SSE | .6 | 1.0 | .9 | | | | | | | | | 2.4 | 5.6 |
| S | 2.6 | 3.6 | 2.2 | .8 | | | | | | | | 9.1 | 5.8 |
| SSW | 1.6 | 2.6 | 3.8 | 2.8 | .9 | .2 | | | | | | 11.5 | 9.1 |
| SW | 1.2 | 1.4 | 1.7 | 2.0 | .3 | .1 | | | | | | 6.8 | 8.9 |
| WSW | 1.0 | 1.6 | .9 | .2 | | | | | | | | 3.7 | 5.4 |
| W | 1.1 | .3 | .4 | | | | | | | | | 1.9 | 4.2 |
| WNW | .3 | .2 | .3 | | | | | | | | | .9 | 4.5 |
| NW | .1 | .2 | .1 | | | | | | | | | .4 | 4.8 |
| NNW | .3 | .8 | .1 | | | | | | | | | 1.2 | 4.2 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 24.9 | //// |
| TOTALS | 20.1 | 28.3 | 18.0 | 6.9 | 1.4 | .3 | | | | | | 100.0 | 4.6 |

TOTAL NUMBER OF OBSERVATIONS: 849

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-5 | 6-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | 1.4 | .7 | .3 | .1 | | | | | | | 2.6 | 4.2 |
| NNE | 2.6 | 4.0 | 2.9 | .7 | .1 | | | | | | 10.2 | 6.0 |
| NE | 1.0 | 6.2 | 2.9 | 1.3 | .2 | | | | | | 11.7 | 6.7 |
| ENE | 1.8 | 5.1 | 2.1 | .1 | | | | | | | 9.1 | 5.2 |
| E | 1.7 | 1.1 | .6 | | | | | | | | 3.3 | 4.0 |
| ESE | 1.4 | .6 | .2 | | | | | | | | 2.2 | 3.5 |
| SE | .8 | .8 | .6 | .2 | | | | | | | 2.3 | 5.5 |
| SSE | 1.3 | 1.2 | .8 | .4 | | | | | | | 3.8 | 5.7 |
| S | 2.6 | 5.1 | 2.2 | .4 | | | | | | | 10.3 | 5.4 |
| SSW | 1.2 | 2.4 | 4.4 | 2.0 | .3 | .3 | | | | | 10.8 | 8.7 |
| SW | 1.0 | 2.4 | 2.9 | 2.3 | .2 | | | | | | 8.9 | 8.3 |
| WSW | .7 | 1.3 | .8 | 1.0 | .1 | .1 | | | | | 4.0 | 8.3 |
| W | .7 | .4 | .4 | .6 | .1 | | | | | | 2.2 | 7.7 |
| WNW | .3 | .3 | .1 | | | | | | | | .8 | 4.0 |
| NW | | .2 | .2 | | | | | | | | .4 | 7.5 |
| NNW | | .2 | .3 | | | | | | | | .6 | 6.8 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 16.8 | //// |
| TOTALS | 18.4 | 32.2 | 21.8 | 9.2 | 1.1 | .4 | | | | | 100.0 | 5.4 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .3 | .2 | .6 | | | | | | | | | 1.1 | 6.1 |
| NNE | 1.2 | 2.6 | 2.3 | 1.1 | | .1 | | | | | | 7.3 | 7.1 |
| NE | 1.1 | 6.0 | 5.6 | 2.1 | .2 | .1 | | | | | | 15.1 | 7.5 |
| ENE | 2.0 | 3.7 | 2.7 | .8 | .2 | | | | | | | 9.3 | 6.3 |
| E | 2.4 | 2.7 | .9 | | | | | | | | | 6.0 | 4.2 |
| ESE | 1.1 | .4 | .3 | | | | | | | | | 1.9 | 3.7 |
| SE | 1.3 | 1.0 | .3 | .2 | | | | | | | | 2.9 | 4.7 |
| SSE | 1.0 | 2.2 | .8 | .6 | | | | | | | | 4.6 | 6.1 |
| S | 1.8 | 4.7 | 3.3 | 1.6 | .1 | | | | | | | 11.4 | 6.9 |
| SSW | 1.1 | 4.1 | 4.2 | 1.9 | .4 | .2 | | | | | | 12.0 | 8.0 |
| SW | .7 | 1.3 | 3.4 | 4.4 | .4 | .2 | .1 | | | | | 10.7 | 10.6 |
| WSW | .3 | .3 | 1.2 | .7 | .3 | | | | | | | 2.9 | 9.5 |
| W | .4 | 1.4 | .4 | 1.6 | .3 | | | | | | | 4.2 | 9.4 |
| WNW | .1 | .6 | .6 | .2 | | | | | | | | 1.4 | 7.2 |
| NW | .2 | .2 | .2 | | | | | | | | | .7 | 5.2 |
| NNW | | .2 | .1 | | | | | | | | | .3 | 5.3 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 8.1 | //// |
| TOTALS | 15.2 | 31.7 | 27.0 | 15.1 | 2.1 | .7 | .1 | | | | | 100.0 | 6.8 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFLC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .6 | .8 | .1 | .2 | | | | | | | | 1.7 | 5.2 |
| NNE | .8 | 2.9 | 2.4 | 1.0 | .3 | | | | | | | 7.4 | 7.6 |
| NE | 1.3 | 5.1 | 4.4 | 1.7 | .3 | | | | | | | 12.9 | 7.2 |
| NNE | 2.9 | 5.1 | 4.0 | .9 | | .1 | | | | | | 13.0 | 6.1 |
| E | 1.8 | 3.4 | .9 | .1 | | | | | | | | 6.2 | 4.7 |
| ESE | 1.8 | 1.3 | .7 | .1 | | | | | | | | 3.9 | 4.4 |
| SE | 1.2 | 1.0 | .7 | .1 | | | | | | | | 3.0 | 4.9 |
| SSE | 1.1 | 1.4 | 1.6 | .2 | | | | | | | | 4.3 | 5.6 |
| S | 1.9 | 3.6 | 3.9 | 1.1 | .2 | | .1 | | | | | 10.8 | 7.1 |
| SSW | 1.6 | 2.3 | 3.7 | 2.6 | .6 | .2 | | | | | | 10.9 | 8.8 |
| SW | .6 | 1.7 | 2.7 | 2.6 | .2 | .2 | | | | | | 7.9 | 9.5 |
| WSW | .2 | .8 | 1.0 | .7 | .4 | | | | | | | 3.1 | 9.8 |
| W | .6 | .6 | .7 | .8 | .1 | | | | | | | 2.7 | 8.5 |
| WNW | .1 | .1 | .2 | | | | | | | | | .4 | 6.0 |
| NW | .1 | .3 | .3 | | | | | | | | | .8 | 5.7 |
| NNW | .1 | .1 | | .1 | | | | | | | | .3 | 6.3 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 10.7 | //// |
| TOTALS | 16.6 | 30.6 | 27.2 | 12.1 | 2.2 | .6 | .1 | | | | | 100.0 | 6.3 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 75-84
 MONTH: NOV HOURS (LST): 0600-0800

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .8 | .6 | .1 | | | | | | | | | 1.4 | 1.5 |
| NNE | 1.7 | 4.0 | 1.8 | 1.0 | .2 | | | | | | | 8.7 | 6.4 |
| NE | 2.4 | 4.9 | 4.1 | 1.3 | .2 | | | | | | | 13.0 | 6.5 |
| ENE | 2.2 | 5.6 | 1.7 | .3 | | | | | | | | 9.8 | 4.9 |
| E | 2.0 | 1.3 | .8 | | | | | | | | | 4.1 | 4.1 |
| ESE | .3 | 1.1 | .3 | | | | | | | | | 1.8 | 5.3 |
| SE | 1.0 | .4 | | .1 | | | | | | | | 1.6 | 3.6 |
| SSE | 1.6 | 1.0 | 1.3 | .2 | | | | | | | | 4.1 | 5.7 |
| S | 2.2 | 3.1 | 2.7 | 1.3 | | | | | | | | 9.3 | 6.3 |
| SSW | .8 | 2.1 | 6.0 | 1.6 | .4 | | | | | | | 10.9 | 8.5 |
| SW | 1.2 | 1.8 | 1.9 | 2.4 | .1 | | | | | | | 7.4 | 8.4 |
| WSW | .8 | .7 | .8 | .8 | .2 | | | | | | | 3.2 | 7.8 |
| W | .6 | .6 | .3 | .1 | | | | | | | | 1.6 | 4.9 |
| WNW | .3 | | .1 | | | | | | | | | .4 | 3.8 |
| NW | .3 | .3 | | | | | | | | | | .7 | 3.7 |
| NNW | .3 | .1 | | | | | | | | | | .4 | 2.3 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 21.6 | //// |
| TOTALS | 18.6 | 27.6 | 21.9 | 9.2 | 1.2 | | | | | | | 100.0 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .8 | 1.3 | .4 | | | | | | | | | 2.5 | 4.4 |
| NNE | 2.7 | 4.2 | 2.6 | .2 | | | | | | | | 9.7 | 5.1 |
| NE | 1.0 | 2.3 | 2.3 | .6 | .1 | | | | | | | 6.2 | 7.0 |
| ENE | 2.0 | 3.7 | 1.1 | .1 | | | | | | | | 6.9 | 4.6 |
| E | 1.4 | 1.3 | .4 | | | | | | | | | 3.1 | 3.7 |
| ESE | .5 | .2 | .3 | | | | | | | | | 1.1 | 4.5 |
| SE | .3 | .2 | .2 | .4 | | | | | | | | 1.2 | 7.6 |
| SSE | 1.1 | .9 | .8 | .3 | .1 | | | | | | | 3.1 | 5.8 |
| S | 1.5 | 3.9 | 2.4 | 1.3 | .1 | | | | | | | 9.1 | 6.7 |
| SSW | .5 | 2.6 | 2.2 | 2.2 | 1.2 | .1 | .1 | | | | | 8.8 | 10.3 |
| SW | .1 | .2 | 1.5 | 2.6 | 1.4 | .4 | | | | | | 6.2 | 13.7 |
| WSW | .5 | 1.0 | .6 | .9 | .1 | | | | | | | 3.1 | 8.3 |
| W | 1.1 | 1.5 | .3 | .1 | | .1 | | | | | | 3.1 | 4.7 |
| WNW | .8 | .5 | | | | | | | | | | 1.3 | 3.2 |
| NW | 1.1 | .1 | .2 | | | | | | | | | 1.4 | 3.2 |
| NNW | .4 | .2 | | | | | | | | | | .6 | 3.7 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 32.5 | //// | |
| TOTALS | 15.8 | 24.0 | 15.3 | 8.7 | 3.0 | .6 | .1 | | | | | 100.0 | 4.7 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 75-84
 MONTH: DEC HOURS(1ST): ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .8 | 1.2 | .5 | .0 | | | | | | | | 2.5 | 4.8 |
| NNF | 2.6 | 4.4 | 2.2 | .4 | .1 | | | | | | | 9.7 | 5.4 |
| NE | 2.2 | 3.8 | 2.7 | .8 | .1 | | | | | | | 9.7 | 6.1 |
| ENE | 2.5 | 3.6 | 1.7 | .2 | .0 | | | | | | | 8.0 | 4.9 |
| E | 1.8 | 1.4 | .2 | | | | | | | | | 3.4 | 3.5 |
| ESE | .6 | .5 | .2 | .0 | | | | | | | | 1.3 | 4.0 |
| SE | .7 | .6 | .2 | .2 | | | | | | | | 1.6 | 4.8 |
| SSE | 1.0 | 1.3 | .7 | .2 | .1 | .0 | | | | | | 3.2 | 5.6 |
| S | 2.3 | 3.3 | 2.0 | 1.0 | .1 | .0 | | | | | | 8.7 | 6.3 |
| SSW | 1.1 | 2.2 | 3.1 | 2.5 | 1.1 | .2 | .0 | | | | | 10.3 | 9.8 |
| SW | .7 | 1.1 | 2.0 | 2.8 | 1.1 | .4 | .0 | | | | | 8.2 | 11.5 |
| WSW | .5 | .8 | .9 | .8 | .2 | .0 | | | | | | 3.2 | 8.4 |
| W | .9 | 1.4 | .7 | .5 | .1 | .0 | | | | | | 3.6 | 6.4 |
| WNW | .5 | .5 | .1 | .1 | | | | | | | | 1.2 | 4.6 |
| NW | .5 | .3 | .1 | | | | | | | | | 1.0 | 4.1 |
| NNW | .4 | .5 | .2 | .0 | | | | | | | | 1.1 | 4.5 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 23.3 | //// |
| TOTALS | 19.1 | 26.8 | 17.5 | 9.6 | 2.9 | .7 | .0 | | | | | 100.0 | 5.2 |

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 75-85
 MONTH: ALL HOURS(157): ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .8 | .9 | .3 | .1 | .0 | | | | | | | 2.1 | 4.5 |
| NNE | 1.8 | 2.4 | 1.4 | .4 | .1 | .0 | | | | | | 6.1 | 5.6 |
| NE | 1.9 | 2.9 | 2.0 | .6 | .1 | .0 | .0 | | | | | 7.5 | 6.0 |
| ENE | 2.0 | 3.3 | 1.8 | .3 | .0 | .0 | .0 | | | | | 7.4 | 5.3 |
| E | 1.8 | 1.8 | .6 | .1 | .0 | .0 | .0 | | | | | 4.2 | 4.2 |
| ESE | .8 | .5 | .2 | .0 | | .0 | | | | | | 1.5 | 4.0 |
| SE | 1.0 | .7 | .2 | .0 | .0 | | | | | | | 1.9 | 4.0 |
| SSE | 1.2 | 1.3 | .6 | .1 | .0 | .0 | | | | | | 3.2 | 4.8 |
| S | 2.8 | 4.0 | 2.5 | .6 | .0 | .0 | .0 | | | | | 9.8 | 5.5 |
| SSW | 1.9 | 4.0 | 4.5 | 1.9 | .3 | .1 | .0 | | | | | 12.6 | 7.4 |
| SW | 1.6 | 2.7 | 3.5 | 2.1 | .4 | .1 | .0 | .0 | | | | 10.5 | 8.2 |
| WSW | 1.2 | 1.6 | 1.7 | .9 | .2 | .0 | .0 | | | | | 5.5 | 7.2 |
| W | 1.5 | 1.6 | 1.0 | .5 | .1 | .0 | .0 | | | | | 4.9 | 6.0 |
| WNW | .6 | .6 | .3 | .1 | .0 | .0 | | | | | | 1.5 | 5.0 |
| NW | .4 | .4 | .1 | .0 | .0 | | | | | | | .9 | 4.7 |
| NNW | .4 | .4 | .1 | .0 | .0 | | | | | | | .9 | 4.5 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 19.5 | //// |
| TOTALS | 21.7 | 28.9 | 20.7 | 7.6 | 1.2 | .3 | .0 | .0 | | | | 100.0 | 4.9 |

TOTAL NUMBER OF OBSERVATIONS: 87254

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 75-85
 MONTH: ALL HOURS(1ST): ALL

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

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .7 | .7 | .2 | .0 | | | | | | | | 1.7 | 4.2 |
| NNE | 1.8 | 2.1 | 1.0 | .3 | .1 | .0 | | | | | | 5.3 | 5.4 |
| NE | 2.2 | 2.9 | 1.8 | .4 | .1 | .0 | | | | | | 7.4 | 5.6 |
| ENE | 2.4 | 3.4 | 1.6 | .2 | | | | | | | | 7.5 | 4.9 |
| E | 2.0 | 1.8 | .5 | .0 | | | | | | | | 4.3 | 4.0 |
| ESE | .8 | .5 | .3 | .0 | | | | | | | | 1.7 | 4.5 |
| SE | 1.0 | .7 | .3 | .2 | | | | | | | | 2.1 | 4.7 |
| SSE | 1.2 | 1.3 | .8 | .2 | .0 | | | | | | | 3.5 | 5.2 |
| S | 2.9 | 4.2 | 3.2 | 1.1 | .1 | | | | | | | 11.5 | 6.0 |
| SSW | 1.8 | 4.1 | 5.5 | 2.3 | .3 | .1 | .0 | | | | | 14.2 | 7.7 |
| SW | 1.5 | 2.8 | 3.5 | 2.2 | .3 | .1 | | | | | | 10.4 | 8.1 |
| WSW | 1.0 | 1.2 | 1.1 | .5 | .1 | | .0 | | | | | 3.9 | 6.6 |
| W | 1.0 | 1.1 | .4 | .1 | .0 | | | | | | | 2.7 | 4.8 |
| WNW | .4 | .2 | .1 | .0 | | | | | | | | .8 | 4.0 |
| NW | .3 | .2 | .1 | .0 | | | | | | | | .6 | 4.1 |
| NNW | .2 | .2 | .1 | .0 | | | | | | | | .5 | 4.2 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 21.9 | //// |
| TOTALS | 21.4 | 27.5 | 20.4 | 7.6 | 1.0 | .3 | .0 | | | | | 100.0 | 4.8 |

TOTAL NUMBER OF OBSERVATIONS: 10685

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

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

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|----------------|----------------------------|-----|-----|-----|------|---------|------|---------|---------|------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2 1/2 | ≥ 2 | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1 | ≥ 3/4 | ≥ 1/2 | ≥ 1/4 | ≥ 5/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | |
| N N 1800 | | | | | | | | | | | | | | | | |
| N N 1500 | | | | | | | | | | | | | | | | |
| N N 1200 | | | | | 91.0 | | | | | | | | | | | 92.6 |
| N N 1000 | | | | | | | | | | | | | | | | |
| N N 900 | | | | | | | | | | | | | | | | |
| N N 800 | | | | | | | | | | | | | | | | |
| N N 700 | | | | | | | | | | | | | | | | |
| N N 600 | | | | | | | | | | | | | | | | |
| N N 500 | | | | | | | | | | 97.4 | | | | | | 98.1 |
| N N 400 | | | | | | | | | | | | | | | | |
| N N 300 | | | | | | | | | | | | | | | | |
| N N 200 | | | | | | | | | | | | | | | | |
| N N 100 | | | | | 95.4 | | 96.9 | | | | | | | | | |
| N N 0 | | | | | | | | | | 98.3 | | | | | | 100.0 |

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
 For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
 Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
 Visibility ≥ 3 miles = 95.4%.
 Visibility ≥ 2 miles = 96.9%.
 Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with > 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 24.4 | 26.0 | 26.3 | 26.5 | 26.6 | 26.7 | 27.0 | 27.1 | 27.1 | 27.6 | 27.7 | 27.8 | 28.5 | 28.7 | 29.6 | 30.4 |
| GE 20000 | 25.8 | 27.5 | 27.8 | 28.3 | 28.1 | 28.2 | 28.5 | 28.6 | 28.6 | 29.2 | 29.4 | 29.5 | 30.1 | 30.3 | 31.4 | 32.0 |
| GE 18000 | 25.8 | 27.5 | 27.8 | 28.3 | 28.1 | 28.2 | 28.5 | 28.6 | 28.6 | 29.2 | 29.4 | 29.5 | 30.1 | 30.3 | 31.4 | 32.0 |
| GE 16000 | 25.8 | 27.5 | 27.8 | 28.3 | 28.1 | 28.2 | 28.5 | 28.6 | 28.6 | 29.2 | 29.4 | 29.5 | 30.1 | 30.3 | 31.4 | 32.0 |
| GE 14000 | 26.2 | 28.1 | 28.5 | 28.6 | 28.7 | 28.8 | 29.1 | 29.2 | 29.2 | 29.9 | 30.1 | 30.2 | 31.1 | 31.3 | 32.4 | 33.0 |
| GE 12000 | 28.1 | 30.0 | 30.4 | 30.5 | 30.6 | 30.8 | 31.1 | 31.2 | 31.2 | 31.8 | 32.0 | 32.2 | 33.0 | 33.2 | 34.3 | 34.9 |
| GE 10000 | 30.0 | 32.3 | 32.7 | 32.8 | 32.9 | 33.0 | 33.3 | 33.4 | 33.4 | 34.1 | 34.3 | 34.4 | 35.3 | 35.5 | 36.6 | 37.3 |
| GE 9000 | 30.5 | 32.8 | 33.2 | 33.3 | 33.4 | 33.5 | 33.9 | 34.0 | 34.0 | 34.6 | 34.8 | 34.9 | 35.8 | 36.0 | 37.1 | 37.8 |
| GE 8000 | 31.6 | 34.0 | 34.4 | 34.5 | 34.6 | 34.7 | 35.2 | 35.3 | 35.3 | 35.9 | 36.1 | 36.2 | 37.1 | 37.3 | 38.4 | 39.1 |
| GE 7000 | 33.8 | 36.3 | 36.8 | 37.3 | 37.1 | 37.2 | 37.6 | 37.7 | 37.7 | 38.4 | 38.6 | 38.7 | 39.8 | 40.0 | 41.1 | 41.8 |
| GE 6000 | 34.3 | 37.0 | 37.4 | 37.6 | 37.7 | 37.8 | 38.3 | 38.4 | 38.4 | 39.0 | 39.2 | 39.4 | 40.4 | 40.6 | 41.7 | 42.5 |
| GE 5000 | 36.8 | 39.7 | 40.1 | 40.3 | 40.4 | 40.5 | 41.0 | 41.1 | 41.1 | 41.7 | 41.9 | 42.0 | 43.1 | 43.3 | 44.4 | 45.2 |
| GE 4500 | 37.5 | 40.4 | 40.9 | 41.1 | 41.2 | 41.3 | 41.7 | 41.8 | 41.8 | 42.5 | 42.7 | 42.8 | 43.9 | 44.1 | 45.2 | 45.9 |
| GE 4000 | 38.5 | 41.5 | 42.0 | 42.3 | 42.5 | 42.6 | 43.0 | 43.1 | 43.1 | 43.8 | 44.0 | 44.1 | 45.3 | 45.5 | 46.6 | 47.3 |
| GE 3500 | 39.1 | 42.2 | 42.8 | 43.1 | 43.2 | 43.3 | 43.8 | 43.9 | 43.9 | 44.5 | 44.7 | 44.8 | 46.0 | 46.2 | 47.3 | 48.1 |
| GE 3000 | 40.5 | 43.9 | 44.7 | 44.9 | 45.2 | 45.3 | 45.7 | 45.8 | 45.8 | 46.5 | 46.7 | 46.8 | 48.0 | 48.2 | 49.2 | 50.0 |
| GE 2500 | 41.9 | 45.8 | 46.7 | 46.9 | 47.1 | 47.2 | 47.6 | 47.7 | 47.7 | 48.4 | 48.6 | 48.7 | 49.9 | 50.1 | 51.2 | 51.9 |
| GE 2000 | 43.3 | 47.4 | 48.3 | 48.5 | 48.9 | 49.0 | 49.7 | 49.9 | 49.9 | 50.5 | 50.8 | 50.9 | 52.0 | 52.3 | 53.3 | 54.1 |
| GE 1800 | 43.3 | 47.4 | 48.3 | 48.5 | 49.0 | 49.1 | 50.0 | 50.4 | 50.4 | 51.1 | 51.3 | 51.4 | 52.6 | 52.8 | 53.9 | 54.6 |
| GE 1500 | 44.3 | 49.4 | 50.2 | 50.4 | 51.0 | 51.1 | 52.3 | 52.8 | 52.9 | 53.8 | 54.0 | 54.1 | 55.3 | 55.5 | 56.6 | 57.3 |
| GE 1200 | 44.7 | 50.9 | 51.8 | 52.3 | 53.0 | 53.1 | 54.5 | 55.1 | 55.2 | 56.0 | 56.2 | 56.3 | 57.5 | 57.7 | 58.8 | 59.6 |
| GE 1000 | 45.3 | 51.7 | 52.8 | 53.4 | 54.3 | 54.6 | 56.0 | 56.6 | 56.7 | 57.5 | 57.7 | 57.8 | 59.0 | 59.2 | 60.3 | 61.1 |
| GE 900 | 46.0 | 53.2 | 54.4 | 55.4 | 56.5 | 56.8 | 58.2 | 58.8 | 59.0 | 59.9 | 60.1 | 60.2 | 61.4 | 61.6 | 62.7 | 63.4 |
| GE 800 | 46.7 | 54.4 | 55.6 | 56.7 | 57.8 | 58.3 | 59.7 | 60.3 | 60.5 | 61.4 | 61.6 | 61.7 | 62.9 | 63.1 | 64.2 | 64.9 |
| GE 700 | 47.1 | 55.1 | 56.2 | 57.3 | 58.5 | 58.9 | 60.3 | 61.1 | 61.3 | 62.6 | 63.0 | 63.1 | 64.3 | 64.5 | 65.6 | 66.3 |
| GE 600 | 47.4 | 56.0 | 57.2 | 58.5 | 59.8 | 60.2 | 61.6 | 62.6 | 62.8 | 64.3 | 64.9 | 65.1 | 66.6 | 66.8 | 68.0 | 68.7 |
| GE 500 | 48.1 | 57.6 | 59.0 | 60.4 | 62.0 | 62.5 | 64.1 | 65.4 | 65.8 | 67.6 | 68.6 | 68.7 | 70.2 | 70.4 | 71.9 | 72.8 |
| GE 400 | 48.7 | 58.1 | 59.7 | 61.1 | 62.8 | 63.2 | 64.8 | 66.5 | 67.0 | 69.4 | 70.8 | 70.9 | 72.5 | 72.7 | 74.4 | 75.3 |
| GE 300 | 48.6 | 59.0 | 60.9 | 62.5 | 64.5 | 64.9 | 67.0 | 68.9 | 69.5 | 73.4 | 76.6 | 76.8 | 79.2 | 79.8 | 82.8 | 85.1 |
| GE 200 | 48.6 | 59.4 | 61.2 | 62.8 | 65.3 | 65.7 | 68.3 | 70.4 | 71.0 | 75.6 | 79.7 | 79.9 | 83.8 | 85.7 | 91.0 | 95.3 |
| GE 100 | 48.6 | 59.5 | 61.3 | 62.9 | 65.4 | 65.8 | 68.4 | 70.6 | 71.2 | 76.0 | 80.3 | 80.5 | 84.5 | 86.5 | 92.7 | 99.9 |
| GE 0 | 48.6 | 59.5 | 61.3 | 62.9 | 65.4 | 65.8 | 68.4 | 70.6 | 71.2 | 76.0 | 80.3 | 80.5 | 84.5 | 86.5 | 92.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|----------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 22.5 | 23.5 | 23.8 | 23.8 | 23.9 | 23.9 | 24.0 | 24.0 | 24.1 | 24.2 | 24.3 | 24.3 | 24.7 | 24.9 | 25.2 | 26.1 | |
| GE 20000 | 23.9 | 24.9 | 25.2 | 25.2 | 25.3 | 25.3 | 25.4 | 25.4 | 25.5 | 25.6 | 25.7 | 25.7 | 26.1 | 26.3 | 26.7 | 27.6 | |
| GE 18000 | 23.9 | 24.9 | 25.2 | 25.2 | 25.3 | 25.3 | 25.4 | 25.4 | 25.5 | 25.6 | 25.7 | 25.7 | 26.1 | 26.3 | 26.7 | 27.6 | |
| GE 16000 | 23.9 | 24.9 | 25.2 | 25.2 | 25.3 | 25.3 | 25.4 | 25.4 | 25.5 | 25.6 | 25.7 | 25.8 | 25.6 | 26.2 | 26.5 | 26.8 | 27.7 |
| GE 14000 | 24.1 | 25.2 | 25.4 | 25.4 | 25.6 | 25.6 | 25.7 | 25.9 | 26.0 | 26.2 | 26.3 | 26.3 | 26.8 | 27.0 | 27.3 | 28.3 | |
| GE 12000 | 26.5 | 27.7 | 28.0 | 28.3 | 28.2 | 28.2 | 28.3 | 28.5 | 28.6 | 28.8 | 28.9 | 28.9 | 29.4 | 29.6 | 29.9 | 30.9 | |
| GE 10000 | 28.5 | 30.1 | 30.3 | 30.3 | 30.5 | 30.5 | 30.6 | 30.9 | 31.0 | 31.2 | 31.3 | 31.3 | 31.7 | 31.9 | 32.3 | 33.2 | |
| GE 9000 | 29.0 | 30.6 | 30.9 | 30.9 | 31.1 | 31.1 | 31.2 | 31.4 | 31.5 | 31.7 | 31.8 | 31.8 | 32.3 | 32.5 | 32.8 | 33.8 | |
| GE 8000 | 31.0 | 32.9 | 33.1 | 33.2 | 33.4 | 33.4 | 33.5 | 33.8 | 33.9 | 34.1 | 34.2 | 34.2 | 34.6 | 34.8 | 35.2 | 36.1 | |
| GE 7000 | 32.8 | 34.7 | 34.9 | 35.3 | 35.6 | 35.6 | 35.7 | 35.9 | 36.0 | 36.2 | 36.3 | 36.3 | 36.8 | 37.0 | 37.3 | 38.3 | |
| GE 6000 | 33.8 | 35.7 | 35.9 | 36.2 | 36.6 | 36.6 | 36.7 | 36.9 | 37.0 | 37.2 | 37.3 | 37.3 | 37.7 | 38.0 | 38.3 | 39.2 | |
| GE 5000 | 36.7 | 38.7 | 38.9 | 39.4 | 39.7 | 39.7 | 39.8 | 40.0 | 40.1 | 40.3 | 40.4 | 40.4 | 40.9 | 41.1 | 41.4 | 42.4 | |
| GE 4500 | 37.3 | 39.6 | 39.8 | 40.2 | 40.5 | 40.5 | 40.6 | 40.9 | 41.0 | 41.2 | 41.3 | 41.3 | 41.7 | 41.9 | 42.3 | 43.2 | |
| GE 4000 | 39.0 | 41.3 | 41.5 | 41.9 | 42.3 | 42.3 | 42.4 | 42.6 | 42.7 | 42.9 | 43.0 | 43.0 | 43.4 | 43.7 | 44.0 | 44.9 | |
| GE 3500 | 39.7 | 42.3 | 42.5 | 42.9 | 43.2 | 43.2 | 43.3 | 43.5 | 43.7 | 43.9 | 44.0 | 44.0 | 44.4 | 44.6 | 44.9 | 45.9 | |
| GE 3000 | 40.6 | 43.4 | 43.7 | 44.1 | 44.5 | 44.5 | 44.6 | 44.8 | 44.9 | 45.2 | 45.3 | 45.3 | 45.7 | 45.9 | 46.2 | 47.2 | |
| GE 2500 | 42.3 | 45.6 | 46.0 | 46.6 | 47.0 | 47.0 | 47.2 | 47.4 | 47.5 | 47.8 | 48.0 | 48.0 | 48.4 | 48.6 | 48.9 | 49.9 | |
| GE 2000 | 42.9 | 47.0 | 47.4 | 48.3 | 48.4 | 48.4 | 48.6 | 48.8 | 48.9 | 49.4 | 49.5 | 49.5 | 49.9 | 50.1 | 50.4 | 51.4 | |
| GE 1800 | 43.0 | 47.1 | 47.5 | 48.1 | 48.6 | 48.6 | 48.8 | 49.4 | 49.5 | 50.0 | 50.1 | 50.1 | 50.5 | 50.8 | 51.1 | 52.0 | |
| GE 1500 | 43.2 | 48.0 | 48.4 | 49.3 | 49.7 | 49.7 | 49.9 | 50.1 | 50.6 | 51.0 | 51.5 | 51.6 | 51.6 | 52.0 | 52.3 | 53.5 | |
| GE 1200 | 43.9 | 49.1 | 49.7 | 50.4 | 51.3 | 51.5 | 52.0 | 52.6 | 52.9 | 53.5 | 53.7 | 53.7 | 54.3 | 54.5 | 54.8 | 55.8 | |
| GE 1000 | 44.4 | 50.4 | 51.2 | 52.2 | 53.2 | 53.6 | 54.2 | 54.8 | 55.2 | 55.9 | 56.0 | 56.0 | 56.7 | 56.9 | 57.2 | 58.2 | |
| GE 900 | 44.9 | 51.8 | 52.8 | 54.2 | 55.5 | 55.8 | 56.5 | 57.2 | 57.5 | 58.4 | 58.5 | 58.5 | 59.1 | 59.4 | 59.7 | 60.6 | |
| GE 800 | 45.2 | 52.5 | 53.4 | 54.9 | 56.2 | 56.6 | 57.2 | 58.4 | 58.7 | 59.6 | 59.7 | 59.7 | 60.3 | 60.5 | 60.9 | 61.8 | |
| GE 700 | 45.6 | 53.2 | 54.3 | 55.9 | 57.4 | 57.7 | 58.4 | 59.6 | 60.0 | 60.9 | 61.5 | 61.5 | 62.3 | 62.5 | 62.8 | 63.8 | |
| GE 600 | 46.1 | 54.2 | 55.4 | 57.2 | 58.9 | 59.2 | 60.1 | 61.7 | 62.4 | 63.3 | 64.3 | 64.3 | 65.4 | 65.6 | 65.9 | 66.9 | |
| GE 500 | 46.3 | 55.6 | 56.9 | 58.7 | 60.9 | 61.2 | 62.3 | 64.0 | 64.8 | 66.0 | 67.1 | 67.2 | 68.3 | 68.7 | 69.2 | 70.3 | |
| GE 400 | 46.6 | 56.9 | 58.6 | 60.8 | 63.1 | 63.4 | 65.1 | 67.2 | 68.2 | 69.7 | 71.1 | 71.2 | 72.5 | 73.0 | 73.7 | 74.8 | |
| GE 300 | 46.7 | 57.8 | 59.8 | 62.5 | 64.8 | 65.2 | 67.2 | 70.2 | 71.7 | 74.6 | 76.9 | 77.1 | 79.1 | 80.4 | 83.3 | 86.3 | |
| GE 200 | 46.8 | 58.4 | 60.4 | 63.2 | 65.7 | 66.0 | 68.2 | 71.5 | 73.1 | 76.7 | 80.2 | 80.6 | 84.1 | 86.6 | 91.0 | 95.3 | |
| GE 100 | 46.8 | 58.4 | 60.4 | 63.2 | 65.7 | 66.0 | 68.3 | 71.7 | 73.3 | 77.0 | 80.5 | 81.0 | 84.5 | 87.0 | 92.5 | 99.1 | |
| GE 0 | 46.8 | 58.4 | 60.4 | 63.2 | 65.7 | 66.0 | 68.3 | 71.7 | 73.3 | 77.0 | 80.5 | 81.0 | 84.5 | 87.1 | 92.8 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
MONTH: JAN HOURS(LST): 0600-0800

| CEILING IN FLEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|------------------------|-----------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|-------|
| | 10 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | J |
| NO CEIL | 19.9 | 21.0 | 21.1 | 21.3 | 21.6 | 21.6 | 22.4 | 22.8 | 22.8 | 22.9 | 23.2 | 23.3 | 23.7 | 23.8 | 24.0 | 24.4 |
| GE 20000 | 21.3 | 22.6 | 22.7 | 22.9 | 23.2 | 23.2 | 24.0 | 24.4 | 24.4 | 24.5 | 24.8 | 24.9 | 25.5 | 25.6 | 25.8 | 26.3 |
| GE 18000 | 21.5 | 22.8 | 22.9 | 23.1 | 23.4 | 23.4 | 24.2 | 24.6 | 24.6 | 24.7 | 25.1 | 25.2 | 25.7 | 25.8 | 26.0 | 26.6 |
| GE 16000 | 21.5 | 22.8 | 22.9 | 23.1 | 23.4 | 23.4 | 24.2 | 24.6 | 24.6 | 24.7 | 25.1 | 25.2 | 25.7 | 25.8 | 26.0 | 26.6 |
| GE 14000 | 22.0 | 23.4 | 23.5 | 23.8 | 24.1 | 24.1 | 24.8 | 25.3 | 25.3 | 25.4 | 25.8 | 25.9 | 26.5 | 26.6 | 26.8 | 27.3 |
| GE 12000 | 24.3 | 25.8 | 25.9 | 26.1 | 26.5 | 26.5 | 27.2 | 27.6 | 27.6 | 27.7 | 28.2 | 28.3 | 28.8 | 28.9 | 29.1 | 29.7 |
| GE 10000 | 25.8 | 27.5 | 27.7 | 28.3 | 28.4 | 28.4 | 29.1 | 29.7 | 29.7 | 29.8 | 30.2 | 30.3 | 30.9 | 31.0 | 31.2 | 31.7 |
| GE 9000 | 26.0 | 27.7 | 28.0 | 28.2 | 28.6 | 28.6 | 29.4 | 29.9 | 29.9 | 30.0 | 30.4 | 30.5 | 31.1 | 31.2 | 31.4 | 31.9 |
| GE 8000 | 27.6 | 30.0 | 30.3 | 30.5 | 31.0 | 31.0 | 31.7 | 32.3 | 32.3 | 32.4 | 32.9 | 33.0 | 33.5 | 33.8 | 34.1 | 34.6 |
| GE 7000 | 30.8 | 33.5 | 33.9 | 34.1 | 34.5 | 34.5 | 35.3 | 35.8 | 35.8 | 35.9 | 36.5 | 36.6 | 37.1 | 37.3 | 37.6 | 38.2 |
| GE 6000 | 32.8 | 35.6 | 35.9 | 36.1 | 36.6 | 36.6 | 37.3 | 37.8 | 37.8 | 38.0 | 38.5 | 38.6 | 39.1 | 39.4 | 39.7 | 40.2 |
| GE 5000 | 35.3 | 38.3 | 38.6 | 38.9 | 39.2 | 39.2 | 40.0 | 40.5 | 40.5 | 40.6 | 41.2 | 41.3 | 41.8 | 42.0 | 42.4 | 42.9 |
| GE 4500 | 35.7 | 38.9 | 39.2 | 39.5 | 39.9 | 40.0 | 40.8 | 41.3 | 41.3 | 41.4 | 41.9 | 42.0 | 42.6 | 42.8 | 43.1 | 43.7 |
| GE 4000 | 36.6 | 39.8 | 40.2 | 40.4 | 40.9 | 41.0 | 41.7 | 42.3 | 42.3 | 42.4 | 42.9 | 43.0 | 43.5 | 43.6 | 44.1 | 44.6 |
| GE 3500 | 38.1 | 41.5 | 42.0 | 42.3 | 42.7 | 42.8 | 43.5 | 44.1 | 44.1 | 44.2 | 44.7 | 44.8 | 45.4 | 45.6 | 45.9 | 46.5 |
| GE 3000 | 38.9 | 43.2 | 44.0 | 44.2 | 44.9 | 45.1 | 45.8 | 46.3 | 46.3 | 46.5 | 47.0 | 47.1 | 47.6 | 47.8 | 48.2 | 48.7 |
| GE 2500 | 39.9 | 44.7 | 45.5 | 45.7 | 46.6 | 46.7 | 47.6 | 48.2 | 48.2 | 48.3 | 48.8 | 48.9 | 49.5 | 49.7 | 50.0 | 50.5 |
| GE 2000 | 40.8 | 46.3 | 47.2 | 47.4 | 48.5 | 48.6 | 49.6 | 50.1 | 50.1 | 50.2 | 50.8 | 50.9 | 51.5 | 51.7 | 52.0 | 52.6 |
| GE 1800 | 40.9 | 46.6 | 47.4 | 47.7 | 48.8 | 48.9 | 49.9 | 50.4 | 50.4 | 50.5 | 51.1 | 51.2 | 51.8 | 52.0 | 52.4 | 52.9 |
| GE 1500 | 41.3 | 47.1 | 48.0 | 48.3 | 49.4 | 49.5 | 50.4 | 51.1 | 51.1 | 51.4 | 52.0 | 52.2 | 52.8 | 53.0 | 53.3 | 53.9 |
| GE 1200 | 41.9 | 49.5 | 50.3 | 50.6 | 51.9 | 52.3 | 53.3 | 54.1 | 54.2 | 54.7 | 55.4 | 55.5 | 56.1 | 56.3 | 56.7 | 57.2 |
| GE 1000 | 42.0 | 49.9 | 50.8 | 51.1 | 52.4 | 52.7 | 54.0 | 54.7 | 54.8 | 55.6 | 56.2 | 56.3 | 57.0 | 57.4 | 57.7 | 58.3 |
| GE 900 | 42.4 | 50.4 | 51.3 | 51.8 | 53.5 | 53.9 | 55.2 | 55.9 | 56.0 | 56.9 | 57.5 | 57.6 | 58.3 | 58.7 | 59.0 | 59.6 |
| GE 800 | 42.7 | 51.4 | 52.3 | 53.3 | 54.7 | 55.1 | 56.5 | 57.4 | 57.5 | 58.4 | 59.1 | 59.2 | 59.9 | 60.4 | 60.8 | 61.3 |
| GE 700 | 42.9 | 51.9 | 52.8 | 53.7 | 55.7 | 56.1 | 57.5 | 58.7 | 58.8 | 59.7 | 60.4 | 60.5 | 61.2 | 61.7 | 62.0 | 62.6 |
| GE 600 | 42.9 | 52.7 | 53.5 | 54.4 | 56.8 | 57.2 | 59.0 | 60.6 | 61.0 | 62.2 | 63.1 | 63.2 | 64.0 | 64.5 | 64.8 | 65.4 |
| GE 500 | 43.4 | 54.2 | 55.4 | 56.3 | 58.8 | 59.4 | 61.3 | 63.1 | 63.4 | 65.2 | 66.3 | 66.5 | 67.4 | 68.4 | 68.8 | 69.6 |
| GE 400 | 44.2 | 55.9 | 57.5 | 58.6 | 61.8 | 62.6 | 64.8 | 67.2 | 67.7 | 69.8 | 71.5 | 71.6 | 73.5 | 74.8 | 75.7 | 76.7 |
| GE 300 | 44.3 | 56.5 | 58.2 | 59.2 | 63.1 | 63.9 | 66.9 | 70.0 | 71.4 | 75.2 | 77.3 | 77.5 | 80.3 | 82.7 | 84.9 | 87.2 |
| GE 200 | 44.3 | 56.9 | 58.6 | 59.7 | 63.8 | 64.5 | 68.0 | 71.4 | 73.2 | 78.5 | 81.0 | 81.2 | 84.8 | 88.1 | 91.7 | 95.7 |
| GE 100 | 44.3 | 56.9 | 58.6 | 59.7 | 63.8 | 64.5 | 68.0 | 71.4 | 73.2 | 78.6 | 81.1 | 81.3 | 85.4 | 88.6 | 93.2 | 99.9 |
| GE 0 | 44.3 | 56.9 | 58.6 | 59.7 | 63.8 | 64.5 | 68.0 | 71.4 | 73.2 | 78.6 | 81.1 | 81.3 | 85.4 | 88.6 | 93.2 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
MONTH: JAN HOURS(LST): 0900-1100

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 17.7 | 20.5 | 21.1 | 21.1 | 21.6 | 21.6 | 21.7 | 22.0 | 22.0 | 22.4 | 22.6 | 22.7 | 23.2 | 23.7 | 24.0 | 24.0 |
| GE 20000 | 20.3 | 23.3 | 24.2 | 24.3 | 24.8 | 24.8 | 24.9 | 25.3 | 25.3 | 25.8 | 26.1 | 26.3 | 26.9 | 27.5 | 28.0 | 28.0 |
| GE 18000 | 20.5 | 23.5 | 24.4 | 24.5 | 25.1 | 25.1 | 25.2 | 25.5 | 25.5 | 26.0 | 26.3 | 26.6 | 27.1 | 27.7 | 28.2 | 28.2 |
| GE 16000 | 20.6 | 23.7 | 24.5 | 24.6 | 25.2 | 25.2 | 25.3 | 25.6 | 25.6 | 26.1 | 26.5 | 26.7 | 27.2 | 27.8 | 28.3 | 28.3 |
| GE 14000 | 21.9 | 25.1 | 25.9 | 26.3 | 26.7 | 26.7 | 26.8 | 27.1 | 27.1 | 27.6 | 28.0 | 28.2 | 28.7 | 29.4 | 29.9 | 30.1 |
| GE 12000 | 24.7 | 27.8 | 28.8 | 28.9 | 29.6 | 29.6 | 29.7 | 30.0 | 30.0 | 30.5 | 30.9 | 31.1 | 31.6 | 32.3 | 32.8 | 33.0 |
| GE 10000 | 26.6 | 29.9 | 30.9 | 31.2 | 31.8 | 31.8 | 31.9 | 32.3 | 32.3 | 32.8 | 33.1 | 33.3 | 34.0 | 34.6 | 35.2 | 35.4 |
| GE 9000 | 28.1 | 31.4 | 32.4 | 32.7 | 33.3 | 33.3 | 33.4 | 33.8 | 33.8 | 34.3 | 34.6 | 34.8 | 35.5 | 36.1 | 36.7 | 36.9 |
| GE 8000 | 30.0 | 33.4 | 34.6 | 35.1 | 35.7 | 35.7 | 35.8 | 36.1 | 36.1 | 36.7 | 37.0 | 37.2 | 38.0 | 38.6 | 39.1 | 39.4 |
| GE 7000 | 31.5 | 35.2 | 36.3 | 37.3 | 37.7 | 37.7 | 37.8 | 38.2 | 38.2 | 38.7 | 39.1 | 39.4 | 40.1 | 40.8 | 41.3 | 41.5 |
| GE 6000 | 32.4 | 36.0 | 37.2 | 37.3 | 38.8 | 38.8 | 38.9 | 39.2 | 39.2 | 39.8 | 40.2 | 40.4 | 41.2 | 41.8 | 42.4 | 42.6 |
| GE 5000 | 34.7 | 38.7 | 39.9 | 40.5 | 41.6 | 41.6 | 41.7 | 42.0 | 42.0 | 42.6 | 43.0 | 43.2 | 44.0 | 44.6 | 45.2 | 45.4 |
| GE 4500 | 35.7 | 39.8 | 41.0 | 41.6 | 42.7 | 42.7 | 42.8 | 43.1 | 43.1 | 43.7 | 44.1 | 44.3 | 45.1 | 45.7 | 46.2 | 46.5 |
| GE 4000 | 36.6 | 40.9 | 42.0 | 42.7 | 43.8 | 43.8 | 43.9 | 44.3 | 44.3 | 44.8 | 45.3 | 45.5 | 46.3 | 47.0 | 47.5 | 47.7 |
| GE 3500 | 36.9 | 41.4 | 42.7 | 43.3 | 44.4 | 44.4 | 44.5 | 44.9 | 44.9 | 45.5 | 45.9 | 46.1 | 47.0 | 47.6 | 48.2 | 48.4 |
| GE 3000 | 37.3 | 42.4 | 43.9 | 44.6 | 46.2 | 46.2 | 46.3 | 46.9 | 46.9 | 47.4 | 47.8 | 48.1 | 48.9 | 49.6 | 50.1 | 50.3 |
| GE 2500 | 38.6 | 44.4 | 46.2 | 47.3 | 48.6 | 48.7 | 49.0 | 49.7 | 49.7 | 50.3 | 50.8 | 51.0 | 51.8 | 52.5 | 53.0 | 53.2 |
| GE 2000 | 39.6 | 45.6 | 47.6 | 48.4 | 50.1 | 50.2 | 50.8 | 51.6 | 51.6 | 52.3 | 52.7 | 52.9 | 53.8 | 54.4 | 54.9 | 55.2 |
| GE 1800 | 39.8 | 46.2 | 48.3 | 49.3 | 50.8 | 50.9 | 51.5 | 52.4 | 52.5 | 53.1 | 53.5 | 53.8 | 54.6 | 55.3 | 55.8 | 56.0 |
| GE 1500 | 40.4 | 47.1 | 49.1 | 50.2 | 52.4 | 52.5 | 53.2 | 54.1 | 54.2 | 54.8 | 55.3 | 55.5 | 56.5 | 57.1 | 57.7 | 58.0 |
| GE 1200 | 41.2 | 48.9 | 51.3 | 52.3 | 55.7 | 55.9 | 56.8 | 57.6 | 57.7 | 58.4 | 58.9 | 59.1 | 60.1 | 60.8 | 61.4 | 61.6 |
| GE 1000 | 41.4 | 49.6 | 52.0 | 53.7 | 56.7 | 56.9 | 57.7 | 58.7 | 58.8 | 59.9 | 60.4 | 60.6 | 61.9 | 62.6 | 63.2 | 63.4 |
| GE 900 | 41.9 | 50.2 | 52.8 | 54.4 | 57.8 | 58.1 | 59.2 | 60.3 | 60.4 | 61.5 | 62.0 | 62.3 | 63.5 | 64.2 | 64.8 | 65.1 |
| GE 800 | 42.4 | 50.9 | 53.9 | 55.7 | 59.5 | 59.7 | 61.1 | 62.3 | 62.4 | 63.7 | 64.3 | 64.5 | 65.8 | 66.5 | 67.1 | 67.3 |
| GE 700 | 42.5 | 51.3 | 54.5 | 56.3 | 60.6 | 61.2 | 62.7 | 63.9 | 64.1 | 65.6 | 66.2 | 66.5 | 67.7 | 68.4 | 69.0 | 69.2 |
| GE 600 | 43.2 | 52.0 | 55.5 | 57.4 | 61.8 | 62.5 | 64.2 | 65.7 | 66.0 | 67.6 | 68.4 | 68.6 | 70.0 | 70.6 | 71.3 | 71.5 |
| GE 500 | 43.5 | 53.3 | 57.1 | 59.5 | 64.9 | 65.6 | 67.4 | 69.0 | 69.6 | 71.5 | 72.6 | 72.9 | 74.6 | 75.3 | 76.0 | 76.2 |
| GE 400 | 43.7 | 54.1 | 58.2 | 61.3 | 67.4 | 68.2 | 70.8 | 72.6 | 73.1 | 75.9 | 77.4 | 78.1 | 80.3 | 81.4 | 83.1 | 83.5 |
| GE 300 | 43.7 | 54.4 | 58.5 | 61.5 | 68.9 | 69.7 | 72.5 | 75.4 | 76.3 | 80.4 | 82.9 | 83.5 | 86.7 | 88.3 | 91.3 | 92.8 |
| GE 200 | 43.7 | 54.5 | 58.6 | 61.6 | 69.4 | 70.1 | 73.0 | 76.5 | 77.4 | 82.2 | 85.1 | 85.8 | 89.1 | 91.5 | 95.6 | 98.0 |
| GE 100 | 43.7 | 54.5 | 58.6 | 61.6 | 69.4 | 70.1 | 73.0 | 76.5 | 77.4 | 82.2 | 85.1 | 85.8 | 89.2 | 91.5 | 96.2 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
MONTH: JAN HOURS (LST): 1700-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | 19.9 | 21.4 | 21.7 | 22.3 | 22.8 | 22.9 | 22.9 | 22.9 | 23.0 | 23.2 | 23.3 | 23.3 | 23.5 | 23.5 | 23.5 | 23.5 | |
| GE 20000 | 23.8 | 25.6 | 25.9 | 26.6 | 27.2 | 27.3 | 27.3 | 27.4 | 27.4 | 27.5 | 28.0 | 28.1 | 28.1 | 28.4 | 28.5 | 28.5 | |
| GE 18000 | 24.3 | 26.3 | 26.7 | 27.3 | 28.0 | 28.1 | 28.1 | 28.2 | 28.2 | 28.3 | 28.7 | 28.8 | 28.8 | 29.1 | 29.2 | 29.2 | |
| GE 16000 | 24.4 | 26.5 | 26.8 | 27.4 | 28.1 | 28.2 | 28.2 | 28.3 | 28.3 | 28.4 | 28.8 | 28.9 | 28.9 | 29.2 | 29.4 | 29.4 | |
| GE 14000 | 25.3 | 27.3 | 27.6 | 28.3 | 29.0 | 29.1 | 29.1 | 29.4 | 29.4 | 29.5 | 29.9 | 30.0 | 30.0 | 30.3 | 30.4 | 30.4 | |
| GE 12000 | 29.1 | 31.2 | 31.6 | 32.3 | 33.2 | 33.3 | 33.3 | 33.5 | 33.5 | 33.7 | 34.1 | 34.2 | 34.2 | 34.5 | 34.6 | 34.6 | |
| GE 10000 | 31.2 | 33.3 | 33.4 | 34.7 | 35.7 | 35.8 | 36.0 | 36.0 | 36.1 | 36.6 | 36.7 | 36.7 | 37.0 | 37.1 | 37.1 | 37.1 | |
| GE 9000 | 32.7 | 34.8 | 35.4 | 36.2 | 37.2 | 37.3 | 37.5 | 37.5 | 37.6 | 38.1 | 38.2 | 38.2 | 38.5 | 38.6 | 38.6 | 38.6 | |
| GE 8000 | 34.5 | 37.0 | 37.5 | 38.6 | 39.6 | 39.7 | 39.9 | 40.0 | 40.1 | 40.5 | 40.6 | 40.6 | 41.0 | 41.1 | 41.1 | 41.1 | |
| GE 7000 | 36.7 | 39.6 | 40.5 | 41.6 | 42.6 | 42.7 | 42.9 | 43.0 | 43.1 | 43.5 | 43.7 | 43.7 | 44.0 | 44.1 | 44.1 | 44.1 | |
| GE 6000 | 37.3 | 40.4 | 41.4 | 42.5 | 43.5 | 43.7 | 44.0 | 44.1 | 44.2 | 44.6 | 44.7 | 44.7 | 45.1 | 45.2 | 45.2 | 45.2 | |
| GE 5000 | 39.2 | 42.6 | 43.5 | 44.6 | 45.7 | 45.9 | 46.2 | 46.5 | 46.6 | 47.0 | 47.1 | 47.1 | 47.4 | 47.5 | 47.5 | 47.5 | |
| GE 4500 | 39.8 | 43.4 | 44.4 | 45.6 | 46.8 | 47.0 | 47.3 | 47.5 | 47.6 | 48.1 | 48.2 | 48.2 | 48.5 | 48.6 | 48.6 | 48.6 | |
| GE 4000 | 40.9 | 45.1 | 46.0 | 47.4 | 48.6 | 48.9 | 49.2 | 49.5 | 49.6 | 50.0 | 50.1 | 50.1 | 50.4 | 50.5 | 50.5 | 50.5 | |
| GE 3500 | 41.2 | 45.5 | 46.5 | 48.1 | 49.5 | 49.8 | 50.1 | 50.4 | 50.5 | 51.0 | 51.1 | 51.1 | 51.4 | 51.5 | 51.5 | 51.5 | |
| GE 3000 | 41.8 | 46.7 | 47.7 | 49.5 | 51.1 | 51.4 | 51.7 | 52.0 | 52.2 | 52.7 | 52.8 | 52.8 | 53.1 | 53.2 | 53.2 | 53.2 | |
| GE 2500 | 42.4 | 48.0 | 49.6 | 51.3 | 52.9 | 53.5 | 53.9 | 54.2 | 54.3 | 54.8 | 54.9 | 54.9 | 55.3 | 55.4 | 55.4 | 55.4 | |
| GE 2000 | 43.4 | 49.4 | 51.0 | 52.9 | 55.2 | 55.8 | 56.1 | 56.8 | 56.9 | 57.4 | 57.6 | 57.6 | 58.0 | 58.1 | 58.1 | 58.1 | |
| GE 1800 | 44.1 | 50.1 | 51.7 | 54.3 | 56.2 | 56.9 | 57.2 | 57.8 | 58.0 | 58.5 | 59.7 | 58.7 | 59.0 | 59.1 | 59.1 | 59.1 | |
| GE 1500 | 45.2 | 51.6 | 53.2 | 55.7 | 58.1 | 58.7 | 59.1 | 59.9 | 60.1 | 60.6 | 60.9 | 60.9 | 61.2 | 61.3 | 61.3 | 61.3 | |
| GE 1200 | 46.3 | 54.2 | 55.9 | 58.5 | 61.3 | 61.9 | 62.4 | 63.1 | 63.3 | 63.9 | 64.1 | 64.1 | 64.4 | 64.5 | 64.5 | 64.5 | |
| GE 1000 | 47.2 | 55.8 | 58.3 | 61.2 | 64.0 | 64.6 | 65.2 | 65.9 | 66.1 | 67.0 | 67.3 | 67.3 | 67.6 | 67.7 | 67.7 | 67.7 | |
| GE 900 | 47.7 | 57.0 | 59.6 | 62.5 | 65.7 | 66.3 | 67.0 | 67.7 | 68.0 | 68.8 | 69.1 | 69.1 | 69.5 | 69.6 | 69.6 | 69.6 | |
| GE 800 | 48.1 | 57.4 | 60.0 | 63.3 | 66.2 | 66.9 | 67.6 | 68.7 | 68.9 | 70.0 | 70.6 | 70.6 | 71.0 | 71.1 | 71.1 | 71.1 | |
| GE 700 | 48.7 | 58.5 | 61.1 | 64.4 | 68.7 | 69.4 | 70.2 | 71.5 | 71.9 | 73.1 | 74.0 | 74.0 | 74.3 | 74.4 | 74.4 | 74.4 | |
| GE 600 | 49.2 | 59.6 | 62.5 | 66.5 | 71.1 | 71.7 | 72.8 | 74.1 | 74.5 | 75.9 | 77.0 | 77.0 | 77.5 | 77.6 | 77.6 | 77.7 | |
| GE 500 | 49.2 | 60.4 | 64.1 | 68.5 | 74.2 | 74.9 | 76.5 | 78.0 | 78.6 | 80.2 | 81.6 | 81.6 | 82.4 | 82.6 | 82.7 | 82.8 | |
| GE 400 | 49.4 | 61.1 | 64.8 | 70.1 | 77.2 | 78.2 | 80.0 | 82.4 | 83.0 | 85.3 | 86.9 | 86.9 | 88.0 | 88.4 | 88.6 | 88.7 | |
| GE 300 | 49.4 | 61.3 | 65.2 | 70.4 | 78.2 | 79.2 | 81.2 | 84.2 | 85.1 | 88.1 | 90.3 | 90.6 | 92.6 | 93.4 | 94.8 | 94.9 | |
| GE 200 | 49.4 | 61.3 | 65.2 | 70.6 | 78.6 | 79.8 | 81.7 | 85.1 | 85.9 | 89.7 | 92.4 | 92.7 | 94.8 | 95.8 | 97.8 | 98.5 | |
| GE 100 | 49.4 | 61.3 | 65.2 | 70.6 | 78.6 | 79.8 | 81.7 | 85.1 | 85.9 | 89.7 | 92.4 | 92.7 | 94.8 | 95.8 | 98.3 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: JAN HOURS(LST): 1500-1700

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|------|------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|-------|----|
| | 1 | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE |
| | 1 | 10 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 0 | |
| NO CEIL | 21.4 | 24.0 | 24.6 | 25.2 | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 | 25.9 | 25.9 | 26.0 | 26.0 | 26.2 | 26.5 | |
| GE 20000 | 25.5 | 28.2 | 28.9 | 29.5 | 30.4 | 30.4 | 30.5 | 30.5 | 30.5 | 30.5 | 30.6 | 30.6 | 30.6 | 30.8 | 30.8 | 31.0 | 31.2 | |
| GE 18000 | 25.6 | 28.5 | 29.2 | 29.9 | 30.8 | 30.8 | 30.9 | 30.9 | 30.9 | 30.9 | 31.0 | 31.0 | 31.0 | 31.1 | 31.1 | 31.2 | 31.4 | |
| GE 16000 | 25.7 | 28.6 | 29.4 | 30.3 | 30.9 | 30.9 | 31.0 | 31.0 | 31.0 | 31.0 | 31.1 | 31.1 | 31.1 | 31.2 | 31.2 | 31.4 | 31.6 | |
| GE 14000 | 26.9 | 29.8 | 30.5 | 31.2 | 32.0 | 32.0 | 32.2 | 32.2 | 32.2 | 32.2 | 32.3 | 32.3 | 32.3 | 32.4 | 32.4 | 32.6 | 32.8 | |
| GE 12000 | 30.5 | 33.8 | 35.1 | 35.8 | 36.7 | 36.7 | 36.8 | 36.9 | 36.9 | 36.9 | 37.0 | 37.0 | 37.0 | 37.1 | 37.1 | 37.3 | 37.5 | |
| GE 10000 | 35.1 | 38.8 | 40.2 | 41.1 | 41.9 | 41.9 | 42.2 | 42.4 | 42.5 | 42.5 | 42.6 | 42.6 | 42.6 | 42.7 | 42.7 | 43.0 | 43.2 | |
| GE 9000 | 36.1 | 39.9 | 41.3 | 42.2 | 43.0 | 43.0 | 43.2 | 43.4 | 43.5 | 43.5 | 43.7 | 43.7 | 43.7 | 43.8 | 43.8 | 44.1 | 44.3 | |
| GE 8000 | 37.8 | 41.9 | 43.3 | 44.2 | 45.1 | 45.1 | 45.3 | 45.5 | 45.6 | 45.6 | 45.7 | 45.7 | 45.7 | 45.8 | 45.8 | 46.1 | 46.3 | |
| GE 7000 | 40.5 | 44.6 | 46.1 | 47.1 | 48.0 | 48.0 | 48.2 | 48.4 | 48.5 | 48.5 | 48.6 | 48.6 | 48.6 | 48.7 | 48.7 | 49.0 | 49.4 | |
| GE 6000 | 41.8 | 46.0 | 47.5 | 48.4 | 49.4 | 49.4 | 49.6 | 49.8 | 49.9 | 49.9 | 50.0 | 50.0 | 50.0 | 50.1 | 50.1 | 50.4 | 50.8 | |
| GE 5000 | 44.2 | 48.7 | 50.2 | 51.1 | 52.2 | 52.2 | 52.4 | 52.6 | 52.8 | 52.8 | 52.9 | 52.9 | 52.9 | 53.0 | 53.0 | 53.3 | 53.7 | |
| GE 4500 | 44.7 | 49.4 | 50.9 | 51.7 | 52.8 | 52.8 | 53.0 | 53.2 | 53.4 | 53.4 | 53.5 | 53.5 | 53.5 | 53.7 | 53.7 | 54.0 | 54.3 | |
| GE 4000 | 45.9 | 51.1 | 52.6 | 53.5 | 54.7 | 54.7 | 54.9 | 55.2 | 55.4 | 55.4 | 55.5 | 55.5 | 55.5 | 55.6 | 55.6 | 55.9 | 56.2 | |
| GE 3500 | 46.6 | 51.9 | 53.5 | 54.5 | 55.9 | 55.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.7 | 56.7 | 56.7 | 56.8 | 56.8 | 57.1 | 57.4 | |
| GE 3000 | 47.3 | 52.8 | 54.4 | 55.5 | 57.1 | 57.3 | 57.6 | 57.8 | 58.1 | 58.1 | 58.2 | 58.2 | 58.2 | 58.3 | 58.3 | 58.6 | 58.9 | |
| GE 2500 | 48.4 | 54.1 | 55.7 | 57.0 | 58.7 | 58.9 | 59.2 | 59.6 | 59.8 | 59.8 | 59.9 | 59.9 | 59.9 | 60.0 | 60.0 | 60.3 | 60.6 | |
| GE 2000 | 49.5 | 55.7 | 57.5 | 58.9 | 60.8 | 61.1 | 61.4 | 61.7 | 62.0 | 62.0 | 62.2 | 62.2 | 62.2 | 62.3 | 62.3 | 62.6 | 62.9 | |
| GE 1800 | 49.6 | 56.0 | 57.8 | 59.2 | 61.3 | 61.6 | 61.9 | 62.3 | 62.6 | 62.6 | 62.7 | 62.7 | 62.7 | 62.8 | 62.8 | 63.1 | 63.4 | |
| GE 1500 | 50.3 | 57.4 | 59.2 | 60.6 | 62.9 | 63.2 | 63.8 | 64.1 | 64.5 | 64.6 | 64.8 | 64.8 | 64.8 | 64.9 | 64.9 | 65.3 | 65.6 | |
| GE 1200 | 51.3 | 59.6 | 61.5 | 63.2 | 66.1 | 66.5 | 67.0 | 67.5 | 68.0 | 68.1 | 68.3 | 68.3 | 68.4 | 68.4 | 68.7 | 69.0 | 69.3 | |
| GE 1000 | 52.7 | 61.7 | 64.0 | 65.7 | 69.2 | 69.6 | 70.1 | 70.6 | 71.1 | 71.7 | 72.3 | 72.3 | 72.3 | 72.4 | 72.4 | 72.8 | 73.1 | |
| GE 900 | 53.1 | 62.5 | 64.7 | 66.3 | 70.4 | 70.8 | 71.3 | 71.8 | 72.3 | 73.1 | 73.8 | 73.9 | 74.1 | 74.1 | 74.1 | 74.6 | 74.9 | |
| GE 800 | 53.8 | 63.8 | 66.3 | 68.5 | 72.5 | 72.9 | 73.5 | 74.1 | 74.5 | 75.8 | 76.6 | 76.7 | 77.1 | 77.1 | 77.6 | 78.0 | 78.3 | |
| GE 700 | 54.1 | 64.2 | 67.6 | 69.8 | 74.1 | 74.5 | 75.6 | 76.1 | 76.6 | 78.1 | 78.8 | 78.9 | 79.4 | 79.4 | 79.9 | 80.2 | 80.5 | |
| GE 600 | 54.2 | 64.4 | 68.1 | 70.5 | 75.3 | 75.7 | 76.8 | 77.4 | 77.8 | 79.4 | 80.2 | 80.3 | 80.8 | 80.8 | 81.3 | 81.6 | 81.9 | |
| GE 500 | 54.4 | 64.7 | 68.5 | 71.4 | 77.1 | 77.5 | 78.8 | 79.5 | 80.1 | 82.0 | 83.3 | 83.4 | 83.9 | 83.9 | 84.6 | 84.9 | 85.2 | |
| GE 400 | 54.6 | 65.3 | 69.1 | 72.9 | 79.1 | 79.6 | 81.2 | 81.9 | 82.6 | 85.2 | 86.9 | 87.0 | 87.5 | 87.5 | 88.6 | 88.9 | 89.2 | |
| GE 300 | 54.6 | 65.3 | 69.1 | 72.9 | 80.0 | 80.6 | 82.9 | 84.0 | 84.8 | 89.0 | 91.1 | 91.3 | 92.7 | 92.7 | 93.1 | 94.2 | 94.5 | |
| GE 200 | 54.6 | 65.3 | 69.1 | 72.9 | 80.1 | 80.8 | 83.1 | 84.3 | 85.2 | 89.7 | 92.3 | 92.7 | 94.9 | 94.9 | 95.9 | 97.7 | 98.9 | |
| GE 100 | 54.6 | 65.3 | 69.1 | 72.9 | 80.1 | 80.8 | 83.1 | 84.3 | 85.2 | 89.7 | 92.3 | 92.7 | 95.1 | 95.1 | 96.1 | 98.3 | 100.0 | |
| GE DF | 54.6 | 65.3 | 69.1 | 72.9 | 80.1 | 80.8 | 83.1 | 84.3 | 85.2 | 89.7 | 92.3 | 92.7 | 95.1 | 95.1 | 96.1 | 98.3 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
MONTH: JAN HOURS (LST): 1800-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|--|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE J | | |
| NO CEIL | 22.2 | 23.8 | 24.2 | 25.2 | 25.7 | 26.2 | 26.2 | 26.5 | 26.6 | 26.7 | 27.2 | 27.3 | 27.5 | 27.7 | 28.3 | 28.4 | | |
| GE 20000 | 24.3 | 26.0 | 26.5 | 27.5 | 28.3 | 28.8 | 28.8 | 29.0 | 29.1 | 29.2 | 29.8 | 29.9 | 30.1 | 30.8 | 31.0 | 31.3 | | |
| GE 18000 | 24.6 | 26.7 | 27.1 | 28.2 | 29.1 | 29.7 | 29.7 | 29.9 | 30.0 | 30.1 | 30.6 | 30.8 | 31.0 | 31.2 | 31.7 | 31.9 | | |
| GE 16000 | 24.6 | 26.7 | 27.1 | 28.2 | 29.1 | 29.7 | 29.7 | 29.9 | 30.0 | 30.1 | 30.6 | 30.8 | 31.0 | 31.2 | 31.7 | 31.9 | | |
| GE 14000 | 25.7 | 28.1 | 28.5 | 29.6 | 30.5 | 31.1 | 31.1 | 31.4 | 31.5 | 31.6 | 32.2 | 32.3 | 32.7 | 32.9 | 33.4 | 33.6 | | |
| GE 12000 | 27.5 | 30.1 | 30.5 | 31.7 | 32.8 | 33.3 | 33.3 | 33.8 | 33.9 | 34.0 | 34.5 | 34.6 | 35.1 | 35.3 | 35.8 | 36.0 | | |
| GE 10000 | 31.6 | 34.8 | 35.3 | 36.7 | 37.7 | 38.3 | 38.3 | 38.8 | 38.9 | 39.0 | 39.6 | 39.7 | 40.1 | 40.3 | 40.9 | 41.1 | | |
| GE 9000 | 33.7 | 37.0 | 37.4 | 38.8 | 39.9 | 40.4 | 40.4 | 41.0 | 41.1 | 41.2 | 41.7 | 41.8 | 42.3 | 42.5 | 43.0 | 43.2 | | |
| GE 8000 | 35.3 | 38.8 | 39.4 | 40.9 | 41.8 | 42.4 | 42.5 | 43.0 | 43.1 | 43.2 | 43.8 | 43.9 | 44.3 | 44.5 | 45.1 | 45.3 | | |
| GE 7000 | 37.8 | 41.5 | 42.0 | 43.4 | 44.5 | 45.1 | 45.2 | 45.7 | 45.8 | 45.9 | 46.6 | 46.7 | 47.1 | 47.3 | 47.8 | 48.3 | | |
| GE 6000 | 39.4 | 43.0 | 43.5 | 44.9 | 46.0 | 46.6 | 46.7 | 47.2 | 47.3 | 47.4 | 48.1 | 48.2 | 48.6 | 48.8 | 49.4 | 49.8 | | |
| GE 5000 | 42.9 | 46.8 | 47.3 | 48.7 | 49.8 | 50.3 | 50.4 | 51.0 | 51.1 | 51.2 | 51.8 | 51.9 | 52.4 | 52.6 | 53.1 | 53.6 | | |
| GE 4500 | 43.7 | 47.6 | 48.2 | 49.5 | 50.6 | 51.2 | 51.3 | 51.8 | 51.9 | 52.0 | 52.7 | 52.8 | 53.2 | 53.4 | 54.0 | 54.4 | | |
| GE 4000 | 44.6 | 48.8 | 49.4 | 50.8 | 51.8 | 52.4 | 52.5 | 53.0 | 53.1 | 53.2 | 53.9 | 54.0 | 54.4 | 54.6 | 55.2 | 55.6 | | |
| GE 3500 | 45.6 | 49.8 | 50.3 | 51.7 | 52.8 | 53.3 | 53.4 | 54.0 | 54.1 | 54.2 | 54.8 | 54.9 | 55.4 | 55.6 | 56.1 | 56.6 | | |
| GE 3000 | 45.8 | 50.0 | 50.5 | 51.9 | 53.0 | 53.7 | 53.8 | 54.3 | 54.4 | 54.5 | 55.2 | 55.3 | 55.7 | 55.9 | 56.5 | 56.9 | | |
| GE 2500 | 46.6 | 51.2 | 51.7 | 53.2 | 54.4 | 55.1 | 55.2 | 55.7 | 55.8 | 55.9 | 56.6 | 56.7 | 57.1 | 57.3 | 57.8 | 58.3 | | |
| GE 2000 | 48.0 | 52.0 | 52.3 | 54.3 | 56.1 | 56.8 | 56.9 | 57.5 | 57.7 | 57.8 | 58.6 | 58.7 | 59.1 | 59.4 | 59.9 | 60.3 | | |
| GE 1800 | 48.0 | 52.8 | 53.1 | 54.8 | 56.1 | 56.8 | 56.9 | 57.5 | 57.7 | 57.8 | 58.6 | 58.7 | 59.1 | 59.4 | 59.9 | 60.3 | | |
| GE 1500 | 48.8 | 54.7 | 55.5 | 57.3 | 58.3 | 58.9 | 59.0 | 59.7 | 60.0 | 60.1 | 60.9 | 61.0 | 61.4 | 61.6 | 62.2 | 62.6 | | |
| GE 1200 | 49.6 | 56.6 | 57.4 | 58.9 | 60.3 | 61.0 | 61.1 | 61.7 | 62.0 | 62.2 | 63.0 | 63.1 | 63.5 | 63.8 | 64.3 | 64.7 | | |
| GE 1000 | 49.9 | 57.3 | 58.3 | 59.8 | 61.3 | 61.9 | 62.0 | 62.7 | 63.0 | 63.3 | 64.2 | 64.3 | 64.7 | 65.1 | 65.6 | 66.0 | | |
| GE 900 | 50.6 | 58.7 | 59.8 | 61.5 | 63.4 | 64.1 | 64.2 | 64.9 | 65.3 | 66.0 | 66.9 | 67.1 | 67.5 | 67.9 | 68.4 | 68.8 | | |
| GE 800 | 51.7 | 60.8 | 61.9 | 63.9 | 65.9 | 66.6 | 66.8 | 67.5 | 68.0 | 68.7 | 69.9 | 70.1 | 70.5 | 70.9 | 71.4 | 71.8 | | |
| GE 700 | 51.8 | 61.3 | 62.6 | 64.7 | 66.9 | 67.5 | 67.7 | 68.6 | 69.2 | 70.0 | 71.2 | 71.4 | 71.8 | 72.2 | 72.7 | 73.1 | | |
| GE 600 | 52.6 | 62.4 | 64.0 | 66.1 | 68.6 | 69.2 | 69.7 | 70.6 | 71.3 | 72.4 | 73.5 | 73.8 | 74.2 | 74.5 | 75.1 | 75.5 | | |
| GE 500 | 53.0 | 62.8 | 64.4 | 66.5 | 69.7 | 70.4 | 71.1 | 72.2 | 72.8 | 74.6 | 75.9 | 76.2 | 76.8 | 77.1 | 77.6 | 78.1 | | |
| GE 400 | 53.0 | 63.0 | 65.6 | 68.2 | 72.0 | 72.8 | 73.7 | 75.7 | 76.8 | 79.2 | 81.0 | 81.4 | 82.0 | 82.4 | 83.0 | 83.4 | | |
| GE 300 | 53.0 | 64.1 | 65.9 | 68.5 | 73.0 | 73.9 | 75.5 | 78.2 | 79.2 | 83.4 | 86.2 | 86.8 | 88.3 | 89.0 | 91.0 | 91.7 | | |
| GE 200 | 53.0 | 64.1 | 66.0 | 68.5 | 73.5 | 74.4 | 76.0 | 78.8 | 80.0 | 84.6 | 88.2 | 88.9 | 91.1 | 92.5 | 96.0 | 97.6 | | |
| GE 100 | 53.0 | 64.1 | 66.0 | 68.5 | 73.5 | 74.4 | 76.1 | 78.9 | 80.1 | 84.7 | 88.3 | 89.0 | 91.2 | 92.6 | 96.8 | 100.0 | | |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
MONTH: MAR HOURS(1ST): 0600-0800

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE J |
| NO CELL | 37.7 | 39.7 | 40.1 | 40.6 | 41.0 | 41.1 | 41.2 | 41.2 | 41.2 | 41.3 | 41.3 | 41.3 | 41.4 | 41.7 | 42.4 | 42.9 |
| GE 20000 | 43.5 | 45.5 | 45.9 | 46.5 | 46.8 | 46.9 | 47.0 | 47.0 | 47.0 | 47.1 | 47.1 | 47.1 | 47.2 | 47.5 | 48.2 | 48.7 |
| GE 18000 | 44.0 | 45.9 | 46.3 | 46.9 | 47.2 | 47.3 | 47.4 | 47.4 | 47.4 | 47.5 | 47.5 | 47.5 | 47.6 | 48.0 | 48.6 | 49.1 |
| GE 16000 | 44.1 | 46.0 | 46.5 | 47.0 | 47.3 | 47.4 | 47.5 | 47.5 | 47.5 | 47.6 | 47.6 | 47.6 | 47.7 | 48.1 | 48.7 | 49.2 |
| GE 14000 | 45.2 | 47.1 | 47.5 | 48.2 | 48.5 | 48.6 | 48.7 | 48.7 | 48.7 | 48.8 | 48.8 | 48.8 | 48.9 | 49.2 | 49.9 | 50.4 |
| GE 12000 | 48.4 | 50.3 | 50.8 | 51.4 | 51.7 | 51.8 | 51.9 | 51.9 | 51.9 | 52.0 | 52.0 | 52.0 | 52.2 | 52.5 | 53.1 | 53.7 |
| GE 10000 | 52.2 | 54.6 | 55.1 | 55.7 | 56.0 | 56.1 | 56.2 | 56.2 | 56.2 | 56.3 | 56.3 | 56.3 | 56.5 | 56.8 | 57.4 | 58.0 |
| GE 9000 | 54.3 | 57.0 | 57.4 | 58.1 | 58.4 | 58.5 | 58.6 | 58.6 | 58.6 | 58.8 | 58.8 | 58.8 | 58.9 | 59.2 | 59.9 | 60.4 |
| GE 8000 | 59.0 | 62.0 | 62.5 | 63.2 | 63.5 | 63.7 | 63.8 | 63.8 | 63.8 | 64.1 | 64.1 | 64.1 | 64.2 | 64.5 | 65.2 | 65.7 |
| GE 7000 | 62.3 | 65.8 | 66.2 | 67.0 | 67.3 | 67.4 | 67.5 | 67.5 | 67.5 | 67.8 | 67.8 | 67.8 | 68.0 | 68.3 | 68.9 | 69.5 |
| GE 6000 | 63.2 | 66.8 | 67.2 | 68.0 | 68.3 | 68.4 | 68.5 | 68.5 | 68.5 | 68.8 | 68.8 | 68.8 | 68.9 | 69.2 | 69.9 | 70.4 |
| GE 5000 | 65.4 | 69.1 | 69.6 | 70.3 | 70.6 | 70.8 | 70.9 | 70.9 | 70.9 | 71.2 | 71.2 | 71.2 | 71.3 | 71.6 | 72.3 | 72.8 |
| GE 4500 | 66.8 | 70.8 | 71.2 | 71.9 | 72.3 | 72.4 | 72.5 | 72.5 | 72.5 | 72.8 | 72.8 | 72.8 | 72.9 | 73.2 | 73.9 | 74.4 |
| GE 4000 | 68.4 | 72.4 | 72.8 | 73.7 | 74.0 | 74.1 | 74.3 | 74.3 | 74.3 | 74.6 | 74.6 | 74.6 | 74.7 | 75.1 | 75.9 | 76.5 |
| GE 3500 | 69.7 | 73.8 | 74.4 | 75.3 | 75.6 | 75.7 | 75.9 | 75.9 | 75.9 | 76.2 | 76.2 | 76.2 | 76.3 | 76.7 | 77.5 | 78.1 |
| GE 3000 | 70.5 | 75.2 | 75.8 | 76.9 | 77.2 | 77.3 | 77.5 | 77.5 | 77.5 | 77.8 | 77.8 | 77.8 | 78.0 | 78.3 | 79.1 | 79.7 |
| GE 2500 | 71.3 | 76.2 | 77.0 | 78.1 | 78.5 | 78.7 | 78.9 | 78.9 | 78.9 | 79.2 | 79.2 | 79.2 | 79.4 | 79.7 | 80.5 | 81.1 |
| GE 2000 | 72.2 | 77.4 | 78.2 | 79.2 | 79.7 | 79.9 | 80.1 | 80.1 | 80.1 | 80.4 | 80.4 | 80.4 | 80.5 | 80.9 | 81.7 | 82.3 |
| GE 1800 | 72.2 | 77.4 | 78.2 | 79.2 | 79.7 | 79.9 | 80.1 | 80.1 | 80.1 | 80.4 | 80.4 | 80.4 | 80.5 | 80.9 | 81.7 | 82.3 |
| GE 1500 | 72.3 | 78.0 | 78.7 | 79.8 | 80.3 | 80.5 | 80.8 | 80.9 | 80.9 | 81.2 | 81.2 | 81.2 | 81.3 | 81.6 | 82.5 | 83.0 |
| GE 1200 | 72.9 | 78.8 | 79.7 | 80.9 | 81.7 | 81.9 | 82.2 | 82.3 | 82.3 | 82.7 | 82.7 | 82.7 | 82.8 | 83.1 | 84.0 | 84.5 |
| GE 1000 | 73.2 | 79.4 | 80.2 | 81.5 | 82.8 | 83.0 | 83.2 | 83.4 | 83.4 | 83.9 | 83.9 | 83.9 | 84.0 | 84.3 | 85.2 | 85.7 |
| GE 900 | 73.5 | 80.2 | 81.1 | 82.4 | 83.7 | 83.9 | 84.1 | 84.3 | 84.3 | 84.7 | 84.7 | 84.7 | 84.8 | 85.2 | 86.0 | 86.6 |
| GE 800 | 74.3 | 81.2 | 82.2 | 83.4 | 84.7 | 84.9 | 85.2 | 85.4 | 85.5 | 86.0 | 86.0 | 86.0 | 86.1 | 86.5 | 87.3 | 87.8 |
| GE 700 | 74.4 | 81.4 | 82.4 | 83.7 | 84.9 | 85.2 | 85.4 | 85.6 | 85.7 | 86.3 | 86.3 | 86.3 | 86.5 | 86.8 | 87.6 | 88.2 |
| GE 600 | 74.9 | 82.4 | 83.3 | 84.6 | 85.9 | 86.1 | 86.3 | 86.8 | 86.9 | 87.5 | 87.8 | 87.8 | 88.0 | 88.3 | 89.1 | 89.7 |
| GE 500 | 75.6 | 83.2 | 84.4 | 86.0 | 87.5 | 87.7 | 88.1 | 88.6 | 88.7 | 89.4 | 89.8 | 89.8 | 89.9 | 90.2 | 91.1 | 91.6 |
| GE 400 | 75.7 | 83.8 | 85.1 | 86.7 | 88.2 | 88.5 | 88.9 | 89.5 | 89.7 | 90.5 | 91.1 | 91.1 | 91.3 | 91.6 | 92.6 | 93.1 |
| GE 300 | 75.8 | 84.1 | 85.4 | 87.4 | 89.2 | 89.9 | 90.4 | 91.1 | 91.4 | 92.4 | 93.1 | 93.2 | 93.5 | 94.0 | 95.1 | 95.6 |
| GE 200 | 75.8 | 84.1 | 85.4 | 87.4 | 89.4 | 90.0 | 90.6 | 91.5 | 92.2 | 93.5 | 94.5 | 94.6 | 95.9 | 97.0 | 98.7 | 99.6 |
| GE 100 | 75.8 | 84.1 | 85.4 | 87.4 | 89.4 | 90.0 | 90.6 | 91.5 | 92.2 | 93.5 | 94.5 | 94.6 | 95.9 | 97.0 | 98.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
MONTH: MAR HOURS(LST): 0300-0500

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | 47.5 | 48.5 | 48.6 | 48.9 | 49.2 | 49.2 | 49.5 | 49.5 | 49.5 | 49.5 | 49.7 | 49.7 | 49.9 | 50.1 | 50.1 | 50.2 | |
| GE 20000 | 52.5 | 53.4 | 53.5 | 53.9 | 54.2 | 54.2 | 54.4 | 54.4 | 54.4 | 54.4 | 54.6 | 54.6 | 54.8 | 55.1 | 55.1 | 55.2 | |
| GE 18000 | 53.3 | 54.3 | 54.4 | 54.7 | 55.1 | 55.1 | 55.3 | 55.3 | 55.3 | 55.3 | 55.5 | 55.5 | 55.7 | 55.9 | 55.9 | 56.0 | |
| GE 16000 | 53.4 | 54.4 | 54.5 | 54.8 | 55.2 | 55.2 | 55.4 | 55.4 | 55.4 | 55.4 | 55.6 | 55.6 | 55.8 | 56.0 | 56.0 | 56.1 | |
| GE 14000 | 53.9 | 54.8 | 54.9 | 55.3 | 55.6 | 55.6 | 55.8 | 55.8 | 55.8 | 55.9 | 56.1 | 56.1 | 56.3 | 56.6 | 56.6 | 56.7 | |
| GE 12000 | 55.9 | 56.9 | 57.0 | 57.3 | 57.6 | 57.6 | 57.8 | 57.8 | 57.8 | 58.0 | 58.2 | 58.2 | 58.5 | 58.7 | 58.7 | 58.8 | |
| GE 10000 | 60.3 | 61.4 | 61.7 | 62.0 | 62.4 | 62.4 | 62.6 | 62.6 | 62.6 | 62.7 | 62.9 | 62.9 | 63.2 | 63.4 | 63.4 | 63.7 | |
| GE 9000 | 61.6 | 62.7 | 63.0 | 63.3 | 63.7 | 63.7 | 63.9 | 63.9 | 63.9 | 64.0 | 64.2 | 64.2 | 64.5 | 64.7 | 64.7 | 64.9 | |
| GE 8000 | 65.2 | 66.5 | 66.8 | 67.1 | 67.4 | 67.4 | 67.8 | 67.8 | 67.8 | 68.0 | 68.2 | 68.2 | 68.5 | 68.7 | 68.7 | 68.9 | |
| GE 7000 | 69.1 | 70.4 | 70.8 | 71.1 | 71.4 | 71.4 | 71.8 | 71.8 | 71.8 | 71.9 | 72.2 | 72.2 | 72.5 | 72.7 | 72.7 | 72.9 | |
| GE 6000 | 70.5 | 71.8 | 72.2 | 72.5 | 72.8 | 72.8 | 73.2 | 73.2 | 73.2 | 73.3 | 73.5 | 73.5 | 73.9 | 74.1 | 74.1 | 74.3 | |
| GE 5000 | 72.7 | 74.5 | 74.8 | 75.2 | 75.5 | 75.5 | 75.9 | 75.9 | 75.9 | 76.0 | 76.2 | 76.2 | 76.6 | 76.8 | 76.8 | 77.0 | |
| GE 4500 | 73.4 | 75.3 | 75.6 | 75.9 | 76.2 | 76.2 | 76.7 | 76.7 | 76.7 | 76.8 | 77.0 | 77.0 | 77.3 | 77.5 | 77.5 | 77.7 | |
| GE 4000 | 75.1 | 77.1 | 77.4 | 77.7 | 78.1 | 78.1 | 78.5 | 78.5 | 78.5 | 78.6 | 78.8 | 78.8 | 79.1 | 79.4 | 79.4 | 79.6 | |
| GE 3500 | 76.8 | 79.1 | 79.5 | 79.8 | 80.1 | 80.1 | 80.5 | 80.5 | 80.5 | 80.6 | 80.9 | 80.9 | 81.3 | 81.5 | 81.5 | 81.7 | |
| GE 3000 | 77.3 | 79.8 | 80.1 | 80.4 | 80.9 | 80.9 | 81.3 | 81.3 | 81.3 | 81.4 | 81.6 | 81.6 | 82.0 | 82.3 | 82.3 | 82.5 | |
| GE 2500 | 77.6 | 80.3 | 80.6 | 81.0 | 81.4 | 81.4 | 81.8 | 81.8 | 81.8 | 82.0 | 82.3 | 82.3 | 82.7 | 82.9 | 82.9 | 83.1 | |
| GE 2000 | 79.1 | 81.0 | 81.3 | 81.6 | 82.3 | 82.3 | 82.7 | 82.7 | 82.7 | 82.9 | 83.1 | 83.1 | 83.5 | 83.8 | 83.8 | 84.0 | |
| GE 1800 | 78.3 | 81.3 | 81.6 | 81.9 | 82.6 | 82.6 | 83.0 | 83.0 | 83.0 | 83.2 | 83.4 | 83.4 | 83.9 | 84.1 | 84.1 | 84.3 | |
| GE 1500 | 78.6 | 81.6 | 82.0 | 82.4 | 83.0 | 83.0 | 83.4 | 83.4 | 83.4 | 83.8 | 84.0 | 84.0 | 84.4 | 84.6 | 84.6 | 84.8 | |
| GE 1200 | 79.8 | 83.2 | 83.8 | 84.2 | 84.8 | 84.8 | 85.3 | 85.3 | 85.3 | 85.6 | 85.8 | 85.8 | 86.2 | 86.5 | 86.5 | 86.7 | |
| GE 1000 | 80.3 | 84.2 | 84.9 | 85.4 | 86.3 | 86.3 | 86.9 | 86.9 | 86.9 | 87.2 | 87.4 | 87.4 | 87.8 | 88.1 | 88.1 | 88.3 | |
| GE 900 | 80.9 | 84.9 | 85.7 | 86.1 | 87.1 | 87.1 | 87.6 | 87.6 | 87.6 | 88.0 | 88.2 | 88.2 | 88.6 | 88.8 | 88.8 | 89.0 | |
| GE 800 | 81.0 | 85.2 | 85.9 | 86.3 | 87.3 | 87.3 | 88.0 | 88.0 | 88.0 | 88.3 | 88.5 | 88.5 | 88.9 | 89.1 | 89.1 | 89.4 | |
| GE 700 | 81.1 | 85.5 | 86.2 | 86.9 | 88.2 | 88.2 | 88.8 | 88.8 | 88.8 | 89.1 | 89.4 | 89.4 | 89.8 | 90.0 | 90.0 | 90.2 | |
| GE 600 | 81.4 | 86.2 | 87.0 | 87.7 | 89.2 | 89.2 | 90.0 | 90.0 | 90.0 | 90.3 | 90.5 | 90.5 | 91.0 | 91.2 | 91.2 | 91.4 | |
| GE 500 | 81.5 | 87.1 | 87.8 | 88.6 | 90.3 | 90.3 | 91.4 | 91.5 | 91.5 | 91.8 | 92.0 | 92.0 | 92.5 | 92.7 | 92.7 | 92.9 | |
| GE 400 | 81.6 | 87.8 | 88.6 | 89.5 | 91.5 | 91.5 | 92.4 | 92.5 | 92.5 | 92.9 | 93.2 | 93.2 | 93.8 | 94.0 | 94.0 | 94.2 | |
| GE 300 | 81.7 | 88.3 | 89.0 | 89.9 | 92.0 | 92.0 | 93.4 | 93.7 | 93.7 | 94.3 | 95.2 | 95.2 | 96.1 | 96.3 | 96.3 | 96.8 | |
| GE 200 | 81.7 | 88.6 | 89.4 | 90.2 | 92.6 | 92.6 | 92.9 | 94.3 | 94.6 | 94.7 | 95.4 | 95.4 | 96.2 | 96.2 | 97.6 | 98.1 | |
| GE 100 | 81.7 | 88.6 | 89.4 | 90.2 | 92.6 | 92.6 | 92.9 | 94.3 | 94.6 | 94.7 | 95.4 | 95.4 | 96.2 | 96.3 | 97.7 | 98.2 | |
| GE 0 | 81.7 | 88.6 | 89.4 | 90.2 | 92.6 | 92.6 | 92.9 | 94.3 | 94.6 | 94.7 | 95.4 | 95.4 | 96.2 | 96.3 | 97.7 | 98.2 | |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
MONTH: MAR HOURS(LST): 0000-0200

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|-------------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 1/2 | GE 2 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 53.5 | 54.3 | 54.3 | 54.4 | 54.6 | 54.6 | 54.6 | 54.6 | 54.7 | 55.1 | 55.1 | 55.1 | 55.3 | 55.3 | 55.4 | 55.4 |
| GE 20000 | 58.8 | 59.6 | 59.6 | 59.7 | 59.9 | 59.9 | 59.9 | 59.9 | 60.0 | 60.3 | 60.3 | 60.3 | 60.5 | 60.5 | 60.6 | 60.6 |
| GE 18000 | 59.4 | 60.2 | 60.2 | 60.3 | 60.5 | 60.5 | 60.5 | 60.5 | 60.6 | 61.0 | 61.0 | 61.0 | 61.2 | 61.2 | 61.3 | 61.3 |
| GE 16000 | 59.4 | 60.2 | 60.2 | 60.3 | 60.5 | 60.5 | 60.5 | 60.5 | 60.6 | 61.0 | 61.0 | 61.0 | 61.2 | 61.2 | 61.3 | 61.3 |
| GE 14000 | 60.1 | 61.0 | 61.0 | 61.1 | 61.3 | 61.3 | 61.3 | 61.3 | 61.4 | 61.7 | 61.7 | 61.7 | 61.9 | 61.9 | 62.0 | 62.0 |
| GE 12000 | 62.7 | 63.5 | 63.5 | 63.7 | 64.0 | 64.0 | 64.0 | 64.0 | 64.1 | 64.4 | 64.4 | 64.4 | 64.6 | 64.6 | 64.7 | 64.7 |
| GE 10000 | 66.3 | 67.4 | 67.4 | 67.6 | 68.0 | 68.0 | 68.0 | 68.0 | 68.1 | 68.5 | 68.6 | 68.6 | 68.9 | 68.9 | 69.0 | 69.0 |
| GE 9000 | 67.8 | 68.9 | 68.9 | 69.1 | 69.5 | 69.5 | 69.5 | 69.5 | 69.6 | 70.0 | 70.1 | 70.1 | 70.4 | 70.5 | 70.6 | 70.6 |
| GE 8000 | 71.2 | 72.4 | 72.4 | 72.6 | 72.9 | 72.9 | 72.9 | 72.9 | 73.0 | 73.4 | 73.5 | 73.5 | 73.9 | 74.0 | 74.1 | 74.1 |
| GE 7000 | 74.6 | 75.8 | 75.8 | 76.3 | 76.3 | 76.3 | 76.5 | 76.5 | 76.6 | 77.0 | 77.1 | 77.1 | 77.4 | 77.5 | 77.6 | 77.6 |
| GE 6000 | 75.6 | 76.9 | 76.9 | 77.1 | 77.4 | 77.4 | 77.5 | 77.5 | 77.6 | 78.1 | 78.2 | 78.2 | 78.5 | 78.6 | 78.7 | 78.7 |
| GE 5000 | 77.1 | 78.7 | 78.7 | 78.9 | 79.2 | 79.2 | 79.4 | 79.4 | 79.5 | 79.9 | 80.0 | 80.0 | 80.3 | 80.4 | 80.5 | 80.5 |
| GE 4500 | 77.8 | 79.5 | 79.5 | 79.7 | 80.0 | 80.0 | 80.1 | 80.1 | 80.2 | 80.6 | 80.8 | 80.8 | 81.1 | 81.2 | 81.3 | 81.3 |
| GE 4000 | 79.4 | 81.3 | 81.3 | 81.5 | 81.8 | 81.8 | 81.9 | 81.9 | 82.0 | 82.6 | 82.7 | 82.7 | 83.0 | 83.1 | 83.3 | 83.3 |
| GE 3500 | 80.8 | 83.0 | 83.0 | 83.2 | 83.5 | 83.5 | 83.7 | 83.7 | 83.8 | 84.3 | 84.4 | 84.4 | 84.7 | 84.8 | 85.1 | 85.1 |
| GE 3000 | 82.5 | 84.8 | 84.8 | 85.2 | 85.5 | 85.5 | 85.6 | 85.6 | 85.7 | 86.2 | 86.3 | 86.3 | 86.7 | 86.8 | 87.0 | 87.0 |
| GE 2500 | 83.8 | 86.5 | 86.5 | 86.8 | 87.2 | 87.2 | 87.3 | 87.3 | 87.4 | 88.0 | 88.1 | 88.1 | 88.4 | 88.5 | 88.7 | 88.7 |
| GE 2000 | 84.6 | 87.7 | 87.7 | 88.1 | 88.5 | 88.5 | 88.6 | 88.6 | 88.7 | 89.2 | 89.4 | 89.4 | 89.7 | 89.8 | 90.0 | 90.0 |
| GE 1800 | 84.6 | 88.1 | 88.1 | 88.4 | 88.8 | 88.8 | 88.9 | 88.9 | 89.0 | 89.6 | 89.7 | 89.7 | 90.0 | 90.1 | 90.3 | 90.3 |
| GE 1500 | 85.2 | 89.0 | 89.1 | 89.5 | 89.9 | 89.9 | 90.0 | 90.0 | 90.1 | 90.6 | 90.8 | 90.8 | 91.1 | 91.2 | 91.4 | 91.4 |
| GE 1200 | 85.4 | 89.2 | 89.4 | 89.7 | 90.1 | 90.1 | 90.2 | 90.2 | 90.3 | 90.9 | 91.0 | 91.0 | 91.3 | 91.4 | 91.6 | 91.6 |
| GE 1000 | 86.0 | 90.3 | 90.4 | 90.9 | 91.3 | 91.3 | 91.4 | 91.4 | 91.5 | 92.2 | 92.3 | 92.3 | 92.6 | 92.7 | 92.9 | 92.9 |
| GE 900 | 86.0 | 90.4 | 90.5 | 91.0 | 91.4 | 91.4 | 91.6 | 91.6 | 91.7 | 92.4 | 92.5 | 92.5 | 92.8 | 92.9 | 93.1 | 93.1 |
| GE 800 | 86.1 | 91.1 | 91.2 | 91.6 | 92.0 | 92.0 | 92.3 | 92.3 | 92.4 | 93.0 | 93.1 | 93.1 | 93.4 | 93.5 | 93.8 | 93.8 |
| GE 700 | 86.3 | 91.4 | 91.5 | 91.9 | 92.4 | 92.4 | 92.6 | 92.6 | 92.7 | 93.3 | 93.4 | 93.4 | 93.8 | 93.9 | 94.1 | 94.1 |
| GE 600 | 86.5 | 91.8 | 92.0 | 92.5 | 93.0 | 93.1 | 93.4 | 93.4 | 93.5 | 94.3 | 94.4 | 94.4 | 94.7 | 94.8 | 95.1 | 95.1 |
| GE 500 | 86.5 | 92.0 | 92.3 | 92.7 | 93.2 | 93.3 | 93.8 | 93.9 | 94.0 | 94.7 | 94.8 | 94.8 | 95.2 | 95.3 | 95.5 | 95.5 |
| GE 400 | 86.5 | 92.2 | 92.4 | 92.9 | 93.5 | 93.7 | 94.1 | 94.4 | 94.5 | 95.4 | 95.6 | 95.6 | 95.9 | 96.0 | 96.2 | 96.2 |
| GE 300 | 86.5 | 92.4 | 92.8 | 93.5 | 94.3 | 94.4 | 95.1 | 95.6 | 95.8 | 96.7 | 97.1 | 97.1 | 97.5 | 97.6 | 97.8 | 97.8 |
| GE 200 | 86.5 | 92.5 | 92.9 | 93.7 | 94.4 | 94.5 | 95.3 | 96.0 | 96.2 | 97.1 | 97.5 | 97.5 | 98.5 | 99.2 | 99.6 | 99.6 |
| GE 100 | 86.5 | 92.5 | 92.9 | 93.7 | 94.5 | 94.6 | 95.4 | 96.1 | 96.3 | 97.2 | 97.6 | 97.6 | 98.6 | 99.4 | 100.0 | 100.0 |
| GE 0 | 86.5 | 92.5 | 92.9 | 93.7 | 94.5 | 94.6 | 95.4 | 96.1 | 96.3 | 97.2 | 97.6 | 97.6 | 98.6 | 99.4 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
MONTH: FEB HOURS(LST): ALL

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|----------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 26.2 | 27.3 | 27.4 | 27.5 | 27.8 | 27.8 | 27.9 | 28.0 | 28.1 | 28.2 | 28.3 | 28.3 | 28.4 | 28.4 | 28.5 | 28.6 | |
| GE 20000 | 31.1 | 32.5 | 32.7 | 32.8 | 33.0 | 33.1 | 33.2 | 33.3 | 33.4 | 33.6 | 33.7 | 33.7 | 33.8 | 33.9 | 34.0 | 34.1 | |
| GE 18000 | 31.6 | 33.0 | 33.2 | 33.3 | 33.5 | 33.6 | 33.7 | 33.8 | 33.9 | 34.1 | 34.2 | 34.2 | 34.3 | 34.4 | 34.5 | 34.6 | |
| GE 16000 | 31.8 | 33.2 | 33.4 | 33.5 | 33.7 | 33.9 | 34.0 | 34.1 | 34.1 | 34.4 | 34.4 | 34.5 | 34.5 | 34.6 | 34.8 | 34.9 | |
| GE 14000 | 33.1 | 34.6 | 34.8 | 34.9 | 35.2 | 35.3 | 35.4 | 35.5 | 35.6 | 35.8 | 35.9 | 35.9 | 36.0 | 36.0 | 36.2 | 36.3 | |
| GE 12000 | 36.5 | 38.0 | 38.3 | 38.4 | 38.6 | 38.7 | 38.8 | 39.0 | 39.0 | 39.3 | 39.3 | 39.3 | 39.4 | 39.5 | 39.6 | 39.8 | |
| GE 10000 | 39.4 | 41.1 | 41.4 | 41.5 | 41.8 | 41.9 | 42.0 | 42.2 | 42.2 | 42.5 | 42.5 | 42.6 | 42.7 | 42.7 | 42.9 | 43.0 | |
| GE 9000 | 40.4 | 42.2 | 42.5 | 42.7 | 42.9 | 43.1 | 43.1 | 43.3 | 43.3 | 43.6 | 43.6 | 43.7 | 43.8 | 43.8 | 44.0 | 44.1 | |
| GE 8000 | 43.6 | 45.5 | 45.8 | 46.3 | 46.2 | 46.4 | 46.5 | 46.6 | 46.7 | 46.9 | 47.0 | 47.0 | 47.1 | 47.2 | 47.4 | 47.5 | |
| GE 7000 | 47.2 | 49.5 | 49.7 | 49.9 | 50.2 | 50.4 | 50.5 | 50.6 | 50.7 | 51.0 | 51.0 | 51.1 | 51.1 | 51.2 | 51.4 | 51.5 | |
| GE 6000 | 48.6 | 51.0 | 51.3 | 51.6 | 51.9 | 52.0 | 52.1 | 52.3 | 52.3 | 52.6 | 52.7 | 52.7 | 52.8 | 52.9 | 53.1 | 53.2 | |
| GE 5000 | 51.3 | 54.0 | 54.3 | 54.5 | 54.9 | 55.1 | 55.2 | 55.4 | 55.5 | 55.7 | 55.8 | 55.8 | 55.9 | 56.0 | 56.2 | 56.3 | |
| GE 4500 | 52.7 | 55.5 | 55.8 | 56.1 | 56.5 | 56.7 | 56.8 | 57.0 | 57.0 | 57.3 | 57.4 | 57.4 | 57.5 | 57.6 | 57.8 | 57.9 | |
| GE 4000 | 54.3 | 57.4 | 57.7 | 58.1 | 58.5 | 58.7 | 58.9 | 59.1 | 59.1 | 59.4 | 59.4 | 59.5 | 59.6 | 59.7 | 59.8 | 60.0 | |
| GE 3500 | 55.4 | 58.8 | 59.3 | 59.6 | 60.0 | 60.2 | 60.5 | 60.6 | 60.7 | 60.9 | 61.0 | 61.0 | 61.1 | 61.2 | 61.4 | 61.6 | |
| GE 3000 | 57.3 | 61.2 | 61.7 | 62.1 | 62.7 | 62.9 | 63.1 | 63.3 | 63.4 | 63.6 | 63.7 | 63.7 | 63.8 | 63.9 | 64.1 | 64.3 | |
| GE 2500 | 59.7 | 63.4 | 64.0 | 64.4 | 65.0 | 65.3 | 65.5 | 65.7 | 65.8 | 66.1 | 66.1 | 66.2 | 66.3 | 66.4 | 66.6 | 66.7 | |
| GE 2000 | 60.5 | 65.7 | 66.4 | 66.9 | 67.6 | 67.9 | 68.2 | 68.4 | 68.4 | 68.7 | 68.8 | 68.9 | 69.0 | 69.1 | 69.3 | 69.4 | |
| GE 1800 | 60.9 | 66.3 | 67.0 | 67.5 | 68.3 | 68.6 | 68.9 | 69.1 | 69.1 | 69.5 | 69.6 | 69.7 | 69.8 | 69.9 | 70.1 | 70.2 | |
| GE 1500 | 62.0 | 67.9 | 68.8 | 69.4 | 70.4 | 70.7 | 71.0 | 71.2 | 71.3 | 71.8 | 71.9 | 71.9 | 72.0 | 72.1 | 72.3 | 72.5 | |
| GE 1200 | 62.8 | 69.2 | 70.0 | 70.7 | 71.9 | 72.2 | 72.6 | 72.9 | 72.9 | 73.4 | 73.5 | 73.5 | 73.7 | 73.8 | 74.0 | 74.1 | |
| GE 1000 | 65.5 | 70.6 | 71.6 | 72.3 | 73.6 | 73.9 | 74.4 | 74.9 | 75.0 | 75.5 | 75.6 | 75.6 | 75.8 | 75.9 | 76.0 | 76.2 | |
| GE 900 | 64.0 | 71.6 | 72.7 | 73.4 | 74.9 | 75.2 | 75.7 | 76.1 | 76.3 | 76.8 | 76.9 | 76.9 | 77.1 | 77.2 | 77.4 | 77.5 | |
| GE 800 | 64.6 | 72.5 | 73.7 | 74.5 | 76.1 | 76.4 | 77.0 | 77.5 | 77.6 | 78.2 | 78.4 | 78.4 | 78.6 | 78.7 | 78.9 | 79.0 | |
| GE 700 | 64.9 | 73.3 | 74.6 | 75.4 | 77.2 | 77.5 | 78.2 | 78.7 | 78.9 | 79.6 | 79.8 | 79.8 | 80.0 | 80.1 | 80.3 | 80.4 | |
| GE 600 | 65.4 | 74.4 | 76.0 | 77.3 | 78.9 | 79.3 | 80.2 | 80.8 | 81.0 | 81.8 | 82.0 | 82.1 | 82.3 | 82.4 | 82.6 | 82.7 | |
| GE 500 | 66.0 | 75.6 | 77.5 | 78.5 | 80.9 | 81.4 | 82.4 | 83.2 | 83.4 | 84.5 | 85.0 | 85.1 | 85.3 | 85.4 | 85.7 | 85.8 | |
| GE 400 | 66.1 | 76.4 | 78.6 | 80.0 | 82.7 | 83.4 | 84.7 | 85.6 | 85.9 | 87.5 | 88.1 | 88.2 | 88.5 | 88.6 | 88.9 | 89.1 | |
| GE 300 | 66.3 | 77.0 | 79.3 | 81.3 | 84.2 | 84.9 | 86.7 | 88.0 | 88.4 | 90.9 | 92.0 | 92.3 | 93.3 | 93.7 | 94.2 | 94.5 | |
| GE 200 | 66.3 | 77.1 | 79.4 | 81.1 | 84.5 | 85.3 | 87.1 | 88.5 | 89.0 | 92.0 | 93.6 | 94.1 | 95.7 | 96.5 | 98.0 | 98.7 | |
| GE 100 | 66.3 | 77.1 | 79.4 | 81.1 | 84.5 | 85.3 | 87.1 | 88.6 | 89.0 | 92.1 | 93.8 | 94.2 | 95.8 | 96.9 | 98.5 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 6792

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: FEB HOURS(EST): 2100-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CELL | 31.8 | 33.5 | 33.6 | 33.5 | 33.6 | 33.6 | 33.7 | 33.9 | 34.0 | 34.2 | 34.3 | 34.4 | 34.5 | 34.5 | 34.5 | 34.7 |
| GE 20000 | 36.4 | 38.2 | 38.3 | 38.3 | 38.3 | 38.3 | 38.4 | 38.6 | 38.8 | 38.9 | 39.0 | 39.1 | 39.2 | 39.2 | 39.2 | 39.5 |
| GE 18000 | 37.1 | 38.9 | 39.0 | 39.2 | 39.0 | 39.0 | 39.1 | 39.3 | 39.5 | 39.6 | 39.7 | 39.8 | 39.9 | 39.9 | 39.9 | 40.2 |
| GE 16000 | 37.5 | 39.2 | 39.3 | 39.3 | 39.3 | 39.3 | 39.5 | 39.7 | 39.8 | 39.9 | 40.0 | 40.2 | 40.3 | 40.3 | 40.3 | 40.5 |
| GE 14000 | 38.2 | 39.9 | 40.0 | 40.0 | 40.0 | 40.0 | 40.2 | 40.4 | 40.5 | 40.6 | 40.8 | 40.9 | 41.0 | 41.0 | 41.0 | 41.2 |
| GE 12000 | 40.9 | 42.6 | 42.8 | 42.8 | 42.8 | 42.8 | 42.9 | 43.1 | 43.2 | 43.3 | 43.5 | 43.6 | 43.7 | 43.7 | 43.7 | 43.9 |
| GE 10000 | 43.7 | 45.7 | 45.8 | 45.9 | 45.8 | 45.8 | 45.9 | 46.2 | 46.3 | 46.4 | 46.5 | 46.6 | 46.8 | 46.8 | 46.8 | 47.0 |
| GE 9000 | 45.2 | 47.5 | 47.6 | 47.6 | 47.6 | 47.6 | 47.7 | 47.9 | 48.1 | 48.2 | 48.3 | 48.4 | 48.5 | 48.5 | 48.5 | 48.8 |
| GE 8000 | 49.4 | 51.6 | 51.7 | 51.7 | 51.7 | 51.7 | 51.8 | 52.1 | 52.2 | 52.4 | 52.5 | 52.7 | 52.8 | 52.8 | 52.8 | 53.0 |
| GE 7000 | 52.9 | 55.8 | 55.9 | 56.1 | 56.1 | 56.1 | 56.2 | 56.4 | 56.5 | 56.8 | 56.9 | 57.0 | 57.1 | 57.1 | 57.1 | 57.4 |
| GE 6000 | 54.3 | 57.5 | 57.6 | 57.7 | 57.7 | 57.7 | 57.8 | 58.2 | 58.3 | 58.5 | 58.7 | 58.8 | 58.9 | 59.0 | 59.0 | 59.2 |
| GE 5000 | 57.8 | 61.1 | 61.2 | 61.4 | 61.4 | 61.4 | 61.5 | 61.8 | 62.0 | 62.2 | 62.3 | 62.4 | 62.5 | 62.7 | 62.7 | 62.9 |
| GE 4500 | 58.8 | 62.1 | 62.2 | 62.3 | 62.3 | 62.3 | 62.4 | 62.8 | 62.9 | 63.1 | 63.3 | 63.4 | 63.5 | 63.6 | 63.6 | 63.8 |
| GE 4000 | 60.8 | 64.4 | 64.5 | 64.8 | 64.8 | 64.8 | 64.9 | 65.3 | 65.4 | 65.6 | 65.7 | 65.8 | 66.0 | 66.1 | 66.1 | 66.3 |
| GE 3500 | 62.7 | 66.4 | 66.8 | 67.3 | 67.0 | 67.0 | 67.1 | 67.5 | 67.6 | 67.8 | 68.0 | 68.1 | 68.2 | 68.3 | 68.3 | 68.6 |
| GE 3000 | 64.4 | 68.4 | 68.9 | 69.1 | 69.1 | 69.1 | 69.3 | 69.6 | 69.7 | 70.0 | 70.1 | 70.2 | 70.3 | 70.4 | 70.4 | 70.7 |
| GE 2500 | 65.6 | 69.8 | 70.3 | 70.6 | 70.6 | 70.6 | 70.9 | 71.3 | 71.4 | 71.6 | 71.7 | 71.8 | 72.0 | 72.1 | 72.1 | 72.3 |
| GE 2000 | 67.8 | 72.9 | 73.4 | 73.5 | 73.7 | 73.7 | 74.1 | 74.4 | 74.6 | 74.8 | 74.9 | 75.0 | 75.1 | 75.3 | 75.3 | 75.5 |
| GE 1800 | 68.3 | 73.6 | 74.1 | 74.3 | 74.4 | 74.4 | 74.8 | 75.1 | 75.3 | 75.5 | 75.6 | 75.7 | 75.9 | 76.0 | 76.0 | 76.2 |
| GE 1500 | 69.4 | 75.3 | 76.1 | 76.3 | 76.4 | 76.4 | 76.8 | 77.1 | 77.3 | 77.5 | 77.6 | 77.7 | 77.9 | 78.0 | 78.0 | 78.2 |
| GE 1200 | 70.4 | 76.6 | 77.4 | 77.6 | 77.7 | 77.7 | 78.1 | 78.6 | 78.7 | 78.9 | 79.0 | 79.2 | 79.3 | 79.4 | 79.4 | 79.6 |
| GE 1000 | 71.3 | 78.2 | 79.2 | 79.4 | 79.6 | 79.6 | 80.0 | 80.4 | 80.6 | 80.8 | 80.9 | 81.0 | 81.2 | 81.3 | 81.3 | 81.5 |
| GE 900 | 71.4 | 78.9 | 79.9 | 80.1 | 80.3 | 80.3 | 80.7 | 81.2 | 81.3 | 81.5 | 81.6 | 81.7 | 81.9 | 82.0 | 82.0 | 82.2 |
| GE 800 | 72.0 | 79.6 | 80.7 | 80.9 | 81.4 | 81.4 | 81.7 | 82.2 | 82.3 | 82.6 | 82.7 | 82.9 | 83.0 | 83.2 | 83.2 | 83.4 |
| GE 700 | 72.1 | 79.7 | 80.8 | 81.3 | 81.5 | 81.5 | 82.1 | 82.6 | 82.7 | 82.9 | 83.2 | 83.4 | 83.5 | 83.6 | 83.6 | 83.9 |
| GE 600 | 72.3 | 80.6 | 81.7 | 82.3 | 82.6 | 82.7 | 83.4 | 84.2 | 84.3 | 84.6 | 84.8 | 85.0 | 85.2 | 85.3 | 85.3 | 85.5 |
| GE 500 | 73.0 | 82.3 | 83.5 | 83.7 | 84.5 | 84.7 | 85.4 | 86.2 | 86.3 | 86.9 | 87.2 | 87.4 | 87.5 | 87.6 | 87.6 | 87.9 |
| GE 400 | 73.3 | 82.9 | 84.7 | 85.3 | 85.7 | 86.1 | 87.4 | 88.5 | 88.6 | 89.3 | 89.5 | 89.8 | 89.9 | 90.0 | 90.1 | 90.3 |
| GE 300 | 73.3 | 83.7 | 85.5 | 86.0 | 86.8 | 87.2 | 88.9 | 90.2 | 90.3 | 91.6 | 92.2 | 92.6 | 93.6 | 94.0 | 94.6 | 94.8 |
| GE 200 | 73.3 | 83.7 | 85.6 | 86.1 | 86.9 | 87.4 | 89.2 | 90.7 | 90.9 | 92.6 | 93.3 | 93.9 | 95.9 | 96.9 | 98.4 | 98.7 |
| GE 100 | 73.3 | 83.7 | 85.6 | 86.1 | 86.9 | 87.4 | 89.2 | 90.8 | 91.0 | 92.7 | 93.5 | 94.1 | 96.1 | 97.5 | 99.1 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 849

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: FEB HOURS(LST): 1800-2000

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | 33.2 | 33.6 | 33.8 | 33.9 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.5 | 34.5 | |
| GE 20000 | 38.8 | 39.2 | 39.5 | 39.5 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 40.2 | 40.2 | |
| GE 18000 | 40.0 | 40.5 | 40.8 | 40.9 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.5 | 41.5 | |
| GE 16000 | 40.2 | 40.6 | 40.9 | 41.0 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.6 | 41.6 | |
| GE 14000 | 42.0 | 42.6 | 42.9 | 43.0 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.6 | 43.6 | |
| GE 12000 | 46.2 | 46.8 | 47.0 | 47.1 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.7 | 47.7 | |
| GE 10000 | 49.7 | 50.3 | 50.5 | 50.6 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.2 | 51.2 | |
| GE 9000 | 50.4 | 51.0 | 51.2 | 51.4 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.9 | 51.9 | |
| GE 8000 | 53.7 | 54.4 | 54.7 | 54.8 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.4 | 55.4 | |
| GE 7000 | 57.0 | 58.3 | 58.5 | 58.7 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.2 | 59.2 | |
| GE 6000 | 58.4 | 59.7 | 60.0 | 60.1 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.8 | 60.8 | |
| GE 5000 | 62.0 | 63.4 | 63.6 | 63.7 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.5 | 64.5 | |
| GE 4500 | 63.0 | 64.4 | 64.7 | 64.8 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.6 | 65.6 | |
| GE 4000 | 65.3 | 66.9 | 67.1 | 67.3 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 68.1 | 68.1 | |
| GE 3500 | 66.1 | 68.2 | 68.4 | 68.6 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.4 | 69.4 | |
| GE 3000 | 69.1 | 71.5 | 72.0 | 72.2 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 73.0 | 73.0 | |
| GE 2500 | 70.4 | 74.2 | 74.7 | 75.0 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 76.1 | 76.1 | |
| GE 2000 | 72.3 | 76.4 | 77.1 | 77.5 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.8 | 78.8 | |
| GE 1800 | 72.3 | 76.4 | 77.1 | 77.5 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 79.0 | 79.0 | |
| GE 1500 | 73.5 | 78.3 | 79.2 | 79.5 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 81.0 | 81.0 | |
| GE 1200 | 74.3 | 79.6 | 80.4 | 80.8 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.6 | 82.6 | |
| GE 1000 | 74.8 | 81.2 | 82.0 | 82.3 | 83.5 | 83.5 | 83.6 | 83.6 | 83.6 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.2 | 84.2 | |
| GE 900 | 75.4 | 82.3 | 83.2 | 83.6 | 84.8 | 84.8 | 84.9 | 84.9 | 84.9 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.5 | 85.5 | |
| GE 800 | 75.5 | 82.7 | 83.6 | 84.1 | 85.3 | 85.3 | 85.6 | 85.6 | 85.6 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.2 | 86.2 | |
| GE 700 | 75.6 | 83.3 | 84.2 | 84.7 | 86.0 | 86.0 | 86.3 | 86.3 | 86.3 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 87.2 | 87.2 | |
| GE 600 | 76.6 | 85.3 | 86.5 | 87.2 | 88.5 | 88.6 | 89.0 | 89.4 | 89.4 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.2 | 90.2 | |
| GE 500 | 76.8 | 86.1 | 87.3 | 88.0 | 89.5 | 89.8 | 90.3 | 90.7 | 90.7 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.5 | 91.5 | |
| GE 400 | 76.9 | 87.4 | 88.8 | 89.6 | 91.8 | 92.0 | 92.8 | 93.2 | 93.2 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.3 | 94.3 | |
| GE 300 | 76.9 | 87.9 | 89.3 | 90.1 | 92.6 | 92.8 | 94.1 | 95.1 | 95.1 | 96.7 | 96.9 | 97.1 | 97.3 | 97.3 | 97.6 | 97.6 | |
| GE 200 | 76.9 | 87.9 | 89.3 | 90.1 | 92.7 | 92.9 | 94.2 | 95.2 | 95.2 | 96.9 | 97.2 | 97.3 | 97.8 | 97.8 | 98.7 | 98.7 | |
| GE 100 | 76.9 | 87.9 | 89.3 | 90.1 | 92.7 | 92.9 | 94.2 | 95.2 | 95.2 | 96.9 | 97.2 | 97.3 | 97.8 | 98.4 | 99.3 | 100.0 | |
| GE 0 | 76.9 | 87.9 | 89.3 | 90.1 | 92.7 | 92.9 | 94.2 | 95.2 | 95.2 | 96.9 | 97.2 | 97.3 | 97.8 | 98.4 | 99.3 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 849

GLOBAL CLIMATOLOGY BRANCH
USAFITAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
MONTH: FEB HOURS(LST): 1500-1700

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 27.3 | 28.7 | 28.7 | 29.3 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.2 | 29.2 | 29.2 | 29.2 | 29.2 | 29.2 | 29.2 |
| GE 20000 | 34.6 | 36.5 | 36.5 | 36.7 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 |
| GE 18000 | 35.2 | 37.2 | 37.2 | 37.5 | 37.6 | 37.6 | 37.6 | 37.6 | 37.6 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 |
| GE 16000 | 35.8 | 37.8 | 37.8 | 38.0 | 38.2 | 38.2 | 38.2 | 38.2 | 38.2 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 |
| GE 14000 | 38.2 | 40.5 | 40.5 | 40.8 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| GE 12000 | 41.6 | 43.9 | 43.9 | 44.2 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| GE 10000 | 45.3 | 48.1 | 48.3 | 48.5 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 |
| GE 9000 | 46.5 | 49.2 | 49.5 | 49.7 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 |
| GE 8000 | 50.4 | 53.1 | 53.4 | 53.5 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 |
| GE 7000 | 55.4 | 58.4 | 58.7 | 58.9 | 59.0 | 59.0 | 59.1 | 59.1 | 59.1 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| GE 6000 | 56.5 | 59.6 | 59.8 | 60.1 | 60.2 | 60.2 | 60.3 | 60.3 | 60.3 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 |
| GE 5000 | 59.1 | 62.3 | 62.5 | 62.8 | 62.9 | 62.9 | 63.1 | 63.1 | 63.1 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |
| GE 4500 | 60.7 | 64.0 | 64.2 | 64.4 | 64.5 | 64.5 | 64.8 | 64.8 | 64.8 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 |
| GE 4000 | 62.8 | 66.3 | 66.5 | 66.9 | 67.0 | 67.0 | 67.3 | 67.3 | 67.3 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| GE 3500 | 64.3 | 68.0 | 68.2 | 68.6 | 68.7 | 68.7 | 68.9 | 68.9 | 68.9 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 |
| GE 3000 | 67.0 | 71.3 | 71.7 | 72.2 | 72.6 | 72.7 | 72.9 | 73.0 | 73.0 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| GE 2500 | 69.0 | 73.6 | 74.1 | 74.7 | 75.1 | 75.3 | 75.5 | 75.6 | 75.6 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 |
| GE 2000 | 70.6 | 75.1 | 75.7 | 76.3 | 77.0 | 77.1 | 77.4 | 77.6 | 77.6 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| GE 1800 | 71.1 | 76.1 | 76.7 | 77.3 | 78.1 | 78.2 | 78.4 | 78.7 | 78.7 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 |
| GE 1500 | 72.4 | 77.9 | 78.6 | 79.5 | 80.8 | 80.9 | 81.2 | 81.4 | 81.4 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| GE 1200 | 73.9 | 80.2 | 81.0 | 82.3 | 83.4 | 83.5 | 83.7 | 84.0 | 84.0 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 |
| GE 1000 | 74.2 | 81.7 | 82.8 | 84.3 | 85.6 | 85.7 | 86.0 | 86.5 | 86.5 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 |
| GE 900 | 74.6 | 82.2 | 83.3 | 84.5 | 86.1 | 86.2 | 86.5 | 86.9 | 86.9 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| GE 800 | 74.9 | 82.9 | 84.0 | 85.2 | 86.9 | 87.0 | 87.3 | 87.8 | 87.8 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| GE 700 | 75.4 | 83.9 | 84.9 | 86.1 | 88.0 | 88.1 | 88.5 | 88.9 | 89.0 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| GE 600 | 75.9 | 84.6 | 86.2 | 87.9 | 89.8 | 89.9 | 90.7 | 91.2 | 91.4 | 92.0 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| GE 500 | 75.9 | 85.2 | 87.2 | 88.9 | 91.2 | 91.3 | 92.1 | 92.6 | 92.8 | 93.6 | 94.1 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 |
| GE 400 | 75.9 | 85.5 | 87.8 | 90.3 | 92.5 | 92.8 | 93.6 | 94.1 | 94.3 | 95.6 | 96.3 | 96.3 | 96.6 | 96.6 | 96.6 | 96.6 |
| GE 300 | 75.9 | 85.5 | 87.8 | 90.3 | 92.7 | 93.1 | 93.9 | 94.3 | 94.6 | 96.9 | 97.8 | 97.8 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 200 | 75.9 | 85.5 | 87.8 | 90.3 | 92.8 | 93.2 | 94.0 | 94.6 | 94.8 | 97.2 | 98.2 | 98.2 | 99.4 | 99.4 | 99.6 | 99.8 |
| GE 100 | 75.9 | 85.5 | 87.8 | 90.3 | 92.8 | 93.2 | 94.0 | 94.6 | 94.8 | 97.2 | 98.2 | 98.2 | 99.5 | 99.5 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 849

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | 22.3 | 24.1 | 24.5 | 24.5 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | |
| GE 20000 | 28.3 | 31.0 | 31.3 | 31.3 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | |
| GE 18000 | 28.4 | 31.1 | 31.4 | 31.4 | 31.8 | 31.8 | 31.8 | 31.8 | 31.8 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | |
| GE 16000 | 28.6 | 31.3 | 31.7 | 31.7 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | |
| GE 14000 | 30.2 | 33.1 | 33.5 | 33.5 | 33.8 | 33.8 | 33.8 | 33.8 | 33.8 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | |
| GE 12000 | 34.2 | 37.1 | 37.5 | 37.5 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | |
| GE 10000 | 36.3 | 39.5 | 39.8 | 39.8 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | |
| GE 9000 | 36.9 | 40.0 | 40.4 | 40.5 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | |
| GE 8000 | 39.5 | 43.0 | 43.3 | 43.5 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | |
| GE 7000 | 42.9 | 47.6 | 47.3 | 47.5 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | |
| GE 6000 | 43.8 | 48.1 | 48.4 | 48.5 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | |
| GE 5000 | 46.4 | 51.4 | 51.7 | 51.8 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | |
| GE 4500 | 48.4 | 53.5 | 53.8 | 53.9 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | |
| GE 4000 | 50.1 | 55.9 | 56.3 | 56.5 | 57.1 | 57.1 | 57.4 | 57.4 | 57.4 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | |
| GE 3500 | 50.9 | 56.9 | 57.2 | 57.5 | 58.1 | 58.1 | 58.4 | 58.4 | 58.4 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | |
| GE 3000 | 54.2 | 60.9 | 61.4 | 61.5 | 62.5 | 62.5 | 62.9 | 62.9 | 62.9 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | |
| GE 2500 | 55.9 | 63.6 | 64.1 | 64.3 | 65.3 | 65.3 | 65.6 | 65.6 | 65.6 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | |
| GE 2000 | 57.4 | 65.8 | 66.3 | 66.5 | 67.6 | 67.6 | 68.0 | 68.0 | 68.0 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | |
| GE 1800 | 58.2 | 66.8 | 67.3 | 67.5 | 68.7 | 68.7 | 69.1 | 69.1 | 69.1 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | |
| GE 1500 | 59.6 | 68.9 | 69.4 | 69.7 | 71.3 | 71.3 | 72.1 | 72.1 | 72.2 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | |
| GE 1200 | 60.8 | 71.0 | 71.7 | 72.2 | 73.9 | 73.9 | 74.7 | 74.7 | 74.8 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | |
| GE 1000 | 62.1 | 73.3 | 74.1 | 74.6 | 76.6 | 76.6 | 77.4 | 77.7 | 77.9 | 78.3 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | |
| GE 900 | 62.3 | 73.9 | 75.1 | 75.6 | 77.6 | 77.6 | 78.4 | 78.8 | 79.0 | 79.6 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | |
| GE 800 | 62.9 | 74.8 | 76.3 | 76.9 | 79.2 | 79.3 | 80.1 | 80.6 | 80.8 | 81.5 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | |
| GE 700 | 63.4 | 76.2 | 78.0 | 78.9 | 81.3 | 81.4 | 82.2 | 82.8 | 83.2 | 83.9 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | |
| GE 600 | 64.0 | 77.6 | 79.6 | 80.8 | 83.6 | 83.7 | 84.6 | 85.4 | 85.7 | 86.5 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | |
| GE 500 | 64.4 | 78.7 | 80.9 | 82.4 | 85.6 | 85.7 | 86.8 | 87.6 | 88.0 | 89.2 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | |
| GE 400 | 64.4 | 79.5 | 82.1 | 84.7 | 89.0 | 89.3 | 90.5 | 91.5 | 92.0 | 93.5 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | |
| GE 300 | 64.4 | 79.5 | 82.1 | 85.0 | 90.1 | 90.5 | 92.0 | 93.3 | 93.8 | 96.1 | 97.6 | 97.8 | 98.2 | 98.2 | 98.2 | 98.2 | |
| GE 200 | 64.4 | 79.5 | 82.1 | 85.3 | 90.2 | 90.6 | 92.3 | 93.6 | 94.1 | 96.7 | 98.7 | 98.9 | 99.6 | 99.8 | 99.9 | 99.9 | |
| GE 100 | 64.4 | 79.5 | 82.1 | 85.3 | 90.2 | 90.6 | 92.3 | 93.6 | 94.1 | 96.7 | 98.7 | 98.9 | 99.6 | 99.9 | 100.0 | 100.0 | |
| GE 0 | 64.4 | 79.5 | 82.1 | 85.3 | 90.2 | 90.6 | 92.3 | 93.6 | 94.1 | 96.7 | 98.7 | 98.9 | 99.6 | 99.9 | 100.0 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 849

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE J | |
| NO CEIL | 20.6 | 21.3 | 21.4 | 21.8 | 22.1 | 22.5 | 22.7 | 22.7 | 22.7 | 22.9 | 22.9 | 22.9 | 22.9 | 23.1 | 23.2 | 23.3 | |
| GE 20000 | 25.0 | 26.4 | 26.5 | 26.9 | 27.3 | 27.9 | 28.2 | 28.2 | 28.2 | 28.5 | 28.5 | 28.5 | 28.5 | 28.9 | 29.2 | 29.3 | |
| GE 18000 | 25.3 | 26.7 | 26.9 | 27.2 | 27.7 | 28.3 | 28.5 | 28.5 | 28.5 | 28.9 | 28.9 | 28.9 | 28.9 | 29.2 | 29.6 | 29.7 | |
| GE 16000 | 25.6 | 27.0 | 27.1 | 27.4 | 27.9 | 28.5 | 28.7 | 28.7 | 28.7 | 29.1 | 29.1 | 29.1 | 29.1 | 29.4 | 29.8 | 29.9 | |
| GE 14000 | 27.7 | 29.7 | 29.8 | 30.2 | 30.6 | 31.2 | 31.4 | 31.4 | 31.4 | 31.8 | 31.8 | 31.8 | 31.8 | 32.2 | 32.5 | 32.6 | |
| GE 12000 | 30.9 | 33.1 | 33.3 | 33.7 | 34.2 | 34.7 | 35.0 | 35.1 | 35.1 | 35.5 | 35.5 | 35.5 | 35.5 | 35.8 | 36.2 | 36.3 | |
| GE 10000 | 32.2 | 35.0 | 35.3 | 35.9 | 36.4 | 37.0 | 37.2 | 37.5 | 37.5 | 37.8 | 37.8 | 37.8 | 37.8 | 38.2 | 38.5 | 38.6 | |
| GE 9000 | 33.6 | 36.4 | 36.7 | 37.5 | 37.9 | 38.5 | 38.8 | 39.0 | 39.0 | 39.3 | 39.3 | 39.3 | 39.3 | 39.7 | 40.0 | 40.2 | |
| GE 8000 | 35.5 | 38.6 | 39.1 | 39.8 | 40.3 | 40.9 | 41.1 | 41.3 | 41.3 | 41.7 | 41.7 | 41.7 | 41.7 | 42.0 | 42.4 | 42.5 | |
| GE 7000 | 38.2 | 41.5 | 41.9 | 42.6 | 43.2 | 43.8 | 44.1 | 44.3 | 44.3 | 44.6 | 44.6 | 44.6 | 44.6 | 45.0 | 45.3 | 45.5 | |
| GE 6000 | 40.2 | 43.9 | 44.5 | 45.2 | 45.8 | 46.4 | 46.6 | 46.9 | 46.9 | 47.2 | 47.2 | 47.2 | 47.2 | 47.6 | 47.9 | 48.1 | |
| GE 5000 | 42.4 | 46.5 | 47.1 | 47.8 | 48.4 | 49.0 | 49.2 | 49.5 | 49.5 | 49.8 | 49.8 | 49.8 | 49.8 | 50.2 | 50.5 | 50.6 | |
| GE 4500 | 43.3 | 47.9 | 48.5 | 49.2 | 49.8 | 50.4 | 50.6 | 50.9 | 50.9 | 51.2 | 51.2 | 51.2 | 51.2 | 51.6 | 51.9 | 52.1 | |
| GE 4000 | 44.9 | 50.1 | 50.6 | 51.4 | 52.1 | 52.7 | 53.2 | 53.5 | 53.5 | 53.8 | 53.8 | 53.8 | 53.8 | 54.2 | 54.5 | 54.7 | |
| GE 3500 | 45.3 | 51.0 | 51.9 | 52.7 | 53.4 | 53.9 | 54.5 | 54.8 | 54.8 | 55.1 | 55.1 | 55.1 | 55.1 | 55.5 | 55.8 | 55.9 | |
| GE 3000 | 46.4 | 52.2 | 53.1 | 53.8 | 54.5 | 55.1 | 55.7 | 55.9 | 55.9 | 56.3 | 56.3 | 56.3 | 56.3 | 56.7 | 57.0 | 57.1 | |
| GE 2500 | 47.5 | 54.4 | 55.7 | 56.4 | 57.1 | 57.7 | 58.3 | 58.5 | 58.5 | 58.9 | 58.9 | 58.9 | 58.9 | 59.2 | 59.6 | 59.7 | |
| GE 2000 | 48.6 | 56.3 | 58.1 | 58.9 | 59.6 | 60.2 | 60.8 | 61.1 | 61.1 | 61.5 | 61.5 | 61.5 | 61.5 | 61.6 | 62.0 | 62.4 | |
| GE 1800 | 48.9 | 57.0 | 58.8 | 59.6 | 60.4 | 61.0 | 61.6 | 62.0 | 62.0 | 62.4 | 62.4 | 62.4 | 62.4 | 62.9 | 63.3 | 63.4 | |
| GE 1500 | 49.6 | 58.1 | 60.1 | 61.1 | 62.2 | 62.8 | 63.4 | 63.7 | 63.7 | 64.5 | 64.5 | 64.5 | 64.5 | 64.7 | 65.0 | 65.4 | |
| GE 1200 | 49.8 | 58.8 | 60.8 | 62.0 | 63.1 | 63.7 | 64.3 | 64.7 | 64.7 | 65.5 | 65.5 | 65.5 | 65.5 | 66.0 | 66.3 | 66.4 | |
| GE 1000 | 50.8 | 60.2 | 62.2 | 63.6 | 64.9 | 65.6 | 66.3 | 66.7 | 66.9 | 67.7 | 67.7 | 67.7 | 67.7 | 68.2 | 68.6 | 68.7 | |
| GE 900 | 51.1 | 61.0 | 63.3 | 64.7 | 66.4 | 67.1 | 67.8 | 68.3 | 68.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.8 | 70.2 | 70.3 | |
| GE 800 | 51.6 | 61.8 | 64.5 | 66.0 | 67.8 | 68.8 | 69.5 | 70.1 | 70.3 | 71.4 | 71.4 | 71.4 | 71.4 | 71.8 | 72.2 | 72.3 | |
| GE 700 | 52.1 | 62.4 | 65.4 | 67.0 | 69.4 | 70.3 | 71.4 | 72.1 | 72.3 | 73.5 | 73.5 | 73.5 | 73.5 | 74.1 | 74.4 | 74.6 | |
| GE 600 | 52.9 | 64.0 | 67.5 | 69.3 | 72.2 | 73.4 | 75.0 | 75.7 | 76.0 | 77.4 | 77.6 | 77.6 | 77.6 | 78.2 | 78.6 | 78.7 | |
| GE 500 | 53.7 | 65.8 | 69.6 | 71.6 | 75.1 | 76.7 | 78.9 | 79.9 | 80.1 | 82.1 | 82.7 | 82.7 | 82.7 | 83.3 | 83.6 | 83.7 | |
| GE 400 | 53.7 | 66.3 | 70.6 | 72.9 | 77.0 | 78.6 | 81.2 | 82.2 | 82.7 | 84.9 | 85.9 | 85.9 | 85.9 | 86.5 | 86.8 | 86.9 | |
| GE 300 | 53.8 | 66.9 | 71.3 | 74.0 | 78.8 | 80.3 | 83.3 | 84.5 | 85.4 | 88.7 | 90.1 | 90.2 | 90.9 | 91.6 | 92.3 | 92.8 | |
| GE 200 | 53.8 | 66.9 | 71.3 | 74.0 | 79.3 | 80.9 | 84.1 | 85.4 | 86.5 | 90.6 | 92.7 | 93.1 | 95.2 | 96.7 | 98.4 | 99.1 | |
| GE 100 | 53.8 | 66.9 | 71.3 | 74.0 | 79.3 | 80.9 | 84.1 | 85.4 | 86.5 | 90.7 | 92.8 | 93.2 | 95.3 | 96.8 | 98.6 | 100.0 | |
| GE 0 | 53.8 | 66.9 | 71.3 | 74.0 | 79.3 | 80.9 | 84.1 | 85.4 | 86.5 | 90.7 | 92.8 | 93.2 | 95.3 | 96.8 | 98.6 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 849

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
MONTH: FEB HOURS(IST): 0600-0800

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|-------------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|--|
| | GE 1 | GE 1 1/2 | GE 2 | GE 3 | GE 4 | GE 5 | GE 6 | GE 7 | GE 8 | GE 9 | GE 10 | GE 11 | GE 12 | GE 13 | GE 14 | GE 15 | GE 16 | |
| NO CEIL | 18.3 | 19.2 | 19.3 | 19.3 | 19.7 | 19.7 | 19.8 | 19.9 | 19.9 | 19.9 | 20.0 | 20.1 | 20.3 | 20.5 | 20.7 | 20.8 | | |
| GE 20000 | 22.5 | 23.4 | 23.8 | 23.8 | 24.3 | 24.4 | 24.6 | 24.9 | 24.9 | 25.1 | 25.2 | 25.3 | 25.4 | 25.7 | 26.3 | 26.6 | | |
| GE 18000 | 22.6 | 23.6 | 23.9 | 23.9 | 24.4 | 24.5 | 24.7 | 25.0 | 25.0 | 25.2 | 25.3 | 25.4 | 25.6 | 25.8 | 26.4 | 26.7 | | |
| GE 16000 | 22.7 | 23.7 | 24.0 | 24.0 | 24.5 | 24.6 | 24.9 | 25.1 | 25.1 | 25.3 | 25.4 | 25.6 | 25.7 | 25.9 | 26.5 | 26.9 | | |
| GE 14000 | 24.1 | 25.1 | 25.4 | 25.4 | 25.9 | 26.0 | 26.3 | 26.5 | 26.5 | 26.7 | 26.9 | 27.0 | 27.1 | 27.3 | 27.9 | 28.3 | | |
| GE 12000 | 26.7 | 27.9 | 28.3 | 28.3 | 28.7 | 28.9 | 29.1 | 29.3 | 29.3 | 29.6 | 29.7 | 29.8 | 29.9 | 30.2 | 30.7 | 31.1 | | |
| GE 10000 | 29.0 | 30.3 | 30.6 | 30.7 | 31.2 | 31.3 | 31.6 | 31.8 | 31.8 | 32.0 | 32.3 | 32.4 | 32.5 | 32.7 | 33.3 | 33.7 | | |
| GE 9000 | 30.3 | 31.6 | 31.9 | 32.0 | 32.5 | 32.6 | 32.9 | 33.1 | 33.1 | 33.3 | 33.6 | 33.7 | 33.8 | 34.0 | 34.6 | 35.0 | | |
| GE 8000 | 33.0 | 34.3 | 34.6 | 34.7 | 35.2 | 35.3 | 35.6 | 35.8 | 35.8 | 36.0 | 36.3 | 36.4 | 36.5 | 36.7 | 37.3 | 37.7 | | |
| GE 7000 | 36.2 | 37.6 | 37.9 | 38.2 | 38.6 | 38.8 | 39.0 | 39.2 | 39.2 | 39.5 | 39.7 | 39.8 | 39.9 | 40.2 | 40.8 | 41.1 | | |
| GE 6000 | 37.8 | 39.2 | 39.6 | 39.9 | 40.4 | 40.5 | 40.8 | 41.0 | 41.0 | 41.2 | 41.5 | 41.6 | 41.7 | 41.9 | 42.5 | 42.9 | | |
| GE 5000 | 41.1 | 42.6 | 43.0 | 43.6 | 44.2 | 44.3 | 44.6 | 45.0 | 45.0 | 45.2 | 45.5 | 45.6 | 45.7 | 45.9 | 46.5 | 46.9 | | |
| GE 4500 | 42.5 | 44.3 | 44.8 | 45.3 | 45.9 | 46.1 | 46.4 | 46.8 | 46.8 | 47.0 | 47.2 | 47.3 | 47.5 | 47.7 | 48.3 | 48.6 | | |
| GE 4000 | 43.5 | 45.3 | 45.9 | 46.5 | 47.2 | 47.3 | 47.7 | 48.1 | 48.1 | 48.3 | 48.5 | 48.6 | 49.0 | 49.2 | 49.8 | 50.3 | | |
| GE 3500 | 44.6 | 47.0 | 47.6 | 48.2 | 48.9 | 49.0 | 49.4 | 49.7 | 49.7 | 49.9 | 50.2 | 50.3 | 50.6 | 50.9 | 51.5 | 52.1 | | |
| GE 3000 | 46.2 | 48.9 | 49.6 | 50.2 | 51.0 | 51.1 | 51.5 | 51.8 | 51.8 | 52.1 | 52.3 | 52.4 | 52.8 | 53.0 | 53.6 | 54.2 | | |
| GE 2500 | 47.5 | 51.2 | 51.9 | 52.7 | 53.6 | 53.7 | 54.2 | 54.5 | 54.5 | 54.8 | 55.0 | 55.1 | 55.6 | 55.8 | 56.4 | 57.0 | | |
| GE 2000 | 48.3 | 53.4 | 54.2 | 54.9 | 56.2 | 56.3 | 56.9 | 57.2 | 57.2 | 57.5 | 57.7 | 57.8 | 58.3 | 58.5 | 59.1 | 59.7 | | |
| GE 1800 | 48.8 | 53.9 | 54.9 | 55.6 | 57.0 | 57.1 | 57.7 | 58.1 | 58.1 | 58.4 | 58.7 | 58.8 | 59.2 | 59.5 | 60.1 | 60.7 | | |
| GE 1500 | 49.2 | 55.1 | 56.2 | 57.2 | 59.4 | 59.5 | 60.1 | 60.4 | 60.4 | 61.0 | 61.2 | 61.4 | 61.8 | 62.1 | 62.7 | 63.3 | | |
| GE 1200 | 49.8 | 56.2 | 57.2 | 58.3 | 61.0 | 61.4 | 62.1 | 62.5 | 62.5 | 63.1 | 63.4 | 63.5 | 64.0 | 64.2 | 64.8 | 65.4 | | |
| GE 1000 | 50.6 | 57.6 | 58.8 | 59.8 | 62.5 | 62.9 | 63.7 | 64.2 | 64.3 | 64.9 | 65.1 | 65.3 | 65.8 | 66.1 | 66.7 | 67.3 | | |
| GE 900 | 51.2 | 59.0 | 60.2 | 61.2 | 64.1 | 64.4 | 65.3 | 66.0 | 66.1 | 66.8 | 67.0 | 67.1 | 67.7 | 68.0 | 68.6 | 69.1 | | |
| GE 800 | 51.9 | 59.7 | 61.1 | 62.3 | 65.3 | 65.6 | 66.5 | 67.3 | 67.4 | 68.1 | 68.4 | 68.7 | 69.3 | 69.5 | 70.1 | 70.7 | | |
| GE 700 | 52.5 | 60.6 | 62.2 | 63.5 | 66.4 | 66.8 | 67.7 | 68.4 | 68.6 | 69.5 | 69.8 | 70.1 | 70.7 | 70.9 | 71.5 | 72.1 | | |
| GE 600 | 52.9 | 62.0 | 63.6 | 64.9 | 67.8 | 68.2 | 69.3 | 70.0 | 70.1 | 71.0 | 71.5 | 71.7 | 72.6 | 72.8 | 73.4 | 74.0 | | |
| GE 500 | 53.5 | 63.5 | 65.7 | 67.1 | 70.7 | 71.3 | 72.4 | 73.5 | 73.6 | 74.9 | 75.7 | 76.1 | 77.0 | 77.3 | 77.9 | 78.4 | | |
| GE 400 | 53.7 | 64.1 | 67.1 | 68.7 | 72.6 | 73.4 | 74.7 | 76.0 | 76.3 | 78.2 | 79.3 | 79.6 | 80.7 | 81.0 | 81.6 | 82.2 | | |
| GE 300 | 53.9 | 64.4 | 67.7 | 69.4 | 74.1 | 74.9 | 76.7 | 78.7 | 79.0 | 81.9 | 83.5 | 84.2 | 86.5 | 86.9 | 88.0 | 89.0 | | |
| GE 200 | 54.1 | 64.5 | 67.8 | 69.5 | 74.7 | 75.7 | 77.6 | 80.1 | 80.6 | 84.1 | 86.9 | 87.6 | 90.8 | 91.8 | 95.7 | 97.9 | | |
| GE 100 | 54.1 | 64.5 | 67.8 | 69.5 | 74.8 | 75.9 | 77.7 | 80.2 | 80.7 | 84.2 | 87.0 | 87.8 | 90.9 | 91.9 | 95.6 | 100.0 | | |

TOTAL NUMBER OF OBSERVATIONS: 849

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|-----------|------------|------------|---------|--|--|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 1/8 | GE 1/16 | GE 1/32 | GE 0 | | |
| NO CEIL | 25.2 | 25.7 | 25.7 | 25.7 | 25.9 | 26.3 | 26.3 | 26.7 | 26.9 | 27.2 | 27.3 | 27.4 | 27.4 | 27.4 | 27.6 | 27.6 | | | | | |
| GE 20000 | 28.3 | 28.7 | 28.7 | 28.7 | 29.0 | 29.3 | 29.3 | 29.8 | 29.9 | 30.4 | 30.5 | 30.6 | 30.6 | 30.6 | 30.7 | 30.7 | | | | | |
| GE 18000 | 28.6 | 29.1 | 29.1 | 29.1 | 29.3 | 29.7 | 29.7 | 30.2 | 30.3 | 30.7 | 30.9 | 31.0 | 31.0 | 31.0 | 31.1 | 31.1 | | | | | |
| GE 16000 | 28.6 | 29.1 | 29.1 | 29.1 | 29.3 | 29.7 | 29.7 | 30.2 | 30.3 | 30.7 | 30.9 | 31.0 | 31.0 | 31.0 | 31.1 | 31.1 | | | | | |
| GE 14000 | 28.9 | 29.3 | 29.3 | 29.3 | 29.6 | 29.9 | 29.9 | 30.4 | 30.5 | 31.0 | 31.1 | 31.2 | 31.2 | 31.2 | 31.3 | 31.3 | | | | | |
| GE 12000 | 32.6 | 33.1 | 33.1 | 33.1 | 33.3 | 33.7 | 33.7 | 34.2 | 34.3 | 34.7 | 34.9 | 35.0 | 35.0 | 35.0 | 35.1 | 35.1 | | | | | |
| GE 10000 | 36.4 | 36.9 | 36.9 | 36.9 | 37.1 | 37.6 | 37.6 | 38.0 | 38.2 | 38.6 | 38.8 | 38.9 | 39.0 | 39.0 | 39.2 | 39.2 | | | | | |
| GE 9000 | 37.0 | 37.5 | 37.6 | 37.6 | 37.8 | 38.3 | 38.3 | 38.8 | 38.9 | 39.3 | 39.5 | 39.6 | 39.7 | 39.7 | 39.9 | 39.9 | | | | | |
| GE 8000 | 40.4 | 40.9 | 41.0 | 41.0 | 41.2 | 41.7 | 41.7 | 42.2 | 42.3 | 42.8 | 42.9 | 43.0 | 43.1 | 43.1 | 43.3 | 43.3 | | | | | |
| GE 7000 | 43.7 | 44.5 | 44.6 | 44.6 | 44.9 | 45.6 | 45.6 | 46.1 | 46.2 | 46.6 | 46.8 | 46.9 | 47.0 | 47.0 | 47.2 | 47.2 | | | | | |
| GE 6000 | 45.2 | 46.1 | 46.2 | 46.2 | 46.4 | 47.1 | 47.1 | 47.6 | 47.7 | 48.2 | 48.3 | 48.4 | 48.5 | 48.5 | 48.8 | 48.8 | | | | | |
| GE 5000 | 47.0 | 48.2 | 48.3 | 48.4 | 48.6 | 49.4 | 49.4 | 49.8 | 49.9 | 50.4 | 50.5 | 50.6 | 50.6 | 50.8 | 50.8 | 51.0 | 51.0 | | | | |
| GE 4500 | 49.0 | 50.2 | 50.4 | 50.5 | 50.8 | 51.5 | 51.5 | 51.9 | 52.1 | 52.5 | 52.7 | 52.8 | 52.9 | 52.9 | 53.1 | 53.1 | | | | | |
| GE 4000 | 49.9 | 51.4 | 51.6 | 51.7 | 51.9 | 52.7 | 52.7 | 53.1 | 53.2 | 53.7 | 53.8 | 53.9 | 54.1 | 54.1 | 54.3 | 54.3 | | | | | |
| GE 3500 | 51.0 | 52.7 | 52.9 | 53.0 | 53.4 | 54.1 | 54.1 | 54.5 | 54.7 | 55.1 | 55.2 | 55.4 | 55.5 | 55.5 | 55.7 | 55.7 | | | | | |
| GE 3000 | 52.2 | 54.5 | 54.8 | 54.9 | 55.2 | 55.9 | 55.9 | 56.4 | 56.5 | 57.0 | 57.1 | 57.2 | 57.4 | 57.4 | 57.6 | 57.6 | | | | | |
| GE 2500 | 53.4 | 56.8 | 57.0 | 57.2 | 57.8 | 58.5 | 58.5 | 59.0 | 59.1 | 59.6 | 59.7 | 59.8 | 60.0 | 60.0 | 60.2 | 60.2 | | | | | |
| GE 2000 | 55.8 | 59.5 | 59.7 | 60.1 | 60.8 | 61.5 | 61.5 | 62.0 | 62.1 | 62.5 | 62.8 | 62.9 | 63.0 | 63.0 | 63.3 | 63.3 | | | | | |
| GE 1800 | 56.4 | 60.2 | 60.4 | 60.8 | 61.5 | 62.2 | 62.2 | 62.7 | 62.8 | 63.3 | 63.6 | 63.7 | 63.8 | 63.8 | 64.1 | 64.1 | | | | | |
| GE 1500 | 58.0 | 61.8 | 62.1 | 62.4 | 63.1 | 63.8 | 63.8 | 64.3 | 64.4 | 64.9 | 65.3 | 65.4 | 65.5 | 65.5 | 65.7 | 65.7 | | | | | |
| GE 1200 | 58.7 | 62.7 | 62.9 | 63.3 | 64.2 | 64.9 | 65.0 | 65.5 | 65.6 | 66.1 | 66.4 | 66.5 | 66.7 | 66.7 | 66.9 | 66.9 | | | | | |
| GE 1000 | 59.0 | 63.3 | 63.7 | 64.1 | 65.0 | 65.8 | 66.0 | 66.8 | 66.9 | 67.4 | 67.7 | 67.8 | 68.0 | 68.0 | 68.2 | 68.2 | | | | | |
| GE 900 | 60.3 | 65.1 | 65.6 | 66.0 | 66.9 | 67.7 | 67.8 | 68.7 | 68.8 | 69.3 | 69.6 | 69.7 | 69.8 | 69.8 | 70.1 | 70.1 | | | | | |
| GE 800 | 61.2 | 66.7 | 67.3 | 67.6 | 68.7 | 69.5 | 69.7 | 70.6 | 70.7 | 71.1 | 71.6 | 71.7 | 71.8 | 71.8 | 72.1 | 72.1 | | | | | |
| GE 700 | 61.2 | 67.3 | 68.1 | 68.4 | 69.7 | 70.6 | 71.0 | 71.8 | 72.0 | 72.4 | 72.9 | 73.0 | 73.1 | 73.1 | 73.4 | 73.4 | | | | | |
| GE 600 | 61.7 | 67.8 | 68.8 | 69.1 | 70.6 | 71.4 | 71.8 | 72.7 | 72.8 | 73.4 | 74.0 | 74.1 | 74.2 | 74.2 | 74.4 | 74.4 | | | | | |
| GE 500 | 62.8 | 69.3 | 70.6 | 71.0 | 72.7 | 73.5 | 74.6 | 75.5 | 75.9 | 76.8 | 77.6 | 77.9 | 78.0 | 78.0 | 78.4 | 78.4 | | | | | |
| GE 400 | 62.9 | 69.8 | 71.1 | 71.6 | 73.5 | 74.4 | 75.7 | 76.9 | 77.4 | 79.5 | 80.4 | 80.7 | 81.0 | 81.3 | 81.9 | 81.9 | | | | | |
| GE 300 | 63.3 | 71.1 | 72.9 | 74.0 | 76.4 | 78.0 | 79.7 | 81.3 | 81.9 | 85.5 | 87.8 | 88.0 | 89.0 | 89.8 | 90.6 | 90.9 | | | | | |
| GE 200 | 63.4 | 71.3 | 73.1 | 74.2 | 76.8 | 78.4 | 80.2 | 82.1 | 82.7 | 87.6 | 90.7 | 90.9 | 91.2 | 94.3 | 96.9 | 97.4 | | | | | |
| GE 100 | 63.4 | 71.3 | 73.1 | 74.2 | 76.8 | 78.4 | 80.2 | 82.1 | 82.7 | 87.8 | 90.8 | 91.0 | 93.4 | 95.2 | 98.0 | 100.0 | | | | | |
| GE 0 | 63.4 | 71.3 | 73.1 | 74.2 | 76.8 | 78.4 | 80.2 | 82.1 | 82.7 | 87.8 | 90.8 | 91.0 | 93.4 | 95.2 | 98.0 | 100.0 | | | | | |

TOTAL NUMBER OF OBSERVATIONS: 849

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: FEB HOURS(ELST): 0000-0200

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 31.1 | 32.0 | 32.4 | 32.5 | 32.5 | 32.5 | 32.6 | 32.6 | 32.7 | 33.2 | 33.2 | 33.2 | 33.5 | 33.5 | 33.6 | 33.7 |
| GE 20000 | 35.2 | 36.3 | 36.6 | 36.7 | 36.7 | 36.7 | 36.9 | 36.9 | 37.0 | 37.5 | 37.5 | 37.5 | 37.7 | 37.7 | 37.8 | 37.9 |
| GE 18000 | 35.6 | 36.6 | 37.0 | 37.1 | 37.1 | 37.1 | 37.2 | 37.2 | 37.3 | 37.8 | 37.8 | 37.8 | 38.0 | 38.0 | 38.2 | 38.3 |
| GE 16000 | 35.7 | 36.7 | 37.1 | 37.2 | 37.2 | 37.2 | 37.3 | 37.3 | 37.5 | 37.9 | 37.9 | 37.9 | 38.2 | 38.2 | 38.3 | 38.4 |
| GE 14000 | 35.8 | 36.9 | 37.2 | 37.3 | 37.3 | 37.3 | 37.5 | 37.5 | 37.6 | 38.0 | 38.0 | 38.0 | 38.3 | 38.3 | 38.4 | 38.5 |
| GE 12000 | 38.8 | 39.8 | 40.2 | 40.3 | 40.3 | 40.3 | 40.4 | 40.4 | 40.5 | 41.0 | 41.0 | 41.0 | 41.2 | 41.2 | 41.3 | 41.5 |
| GE 10000 | 42.4 | 43.5 | 43.8 | 43.9 | 43.9 | 43.9 | 44.1 | 44.1 | 44.2 | 44.6 | 44.6 | 44.6 | 44.9 | 44.9 | 45.0 | 45.1 |
| GE 9000 | 43.5 | 44.5 | 44.9 | 45.0 | 45.0 | 45.0 | 45.1 | 45.1 | 45.2 | 45.7 | 45.7 | 45.7 | 45.9 | 45.9 | 46.1 | 46.2 |
| GE 8000 | 47.2 | 48.4 | 48.8 | 48.9 | 48.9 | 48.9 | 49.0 | 49.0 | 49.1 | 49.6 | 49.6 | 49.6 | 49.8 | 49.8 | 49.9 | 50.1 |
| GE 7000 | 51.2 | 52.5 | 52.9 | 53.0 | 53.1 | 53.1 | 53.2 | 53.2 | 53.4 | 53.8 | 53.8 | 53.8 | 54.1 | 54.1 | 54.2 | 54.3 |
| GE 6000 | 52.9 | 54.3 | 54.7 | 54.8 | 54.9 | 54.9 | 55.0 | 55.0 | 55.1 | 55.6 | 55.6 | 55.6 | 55.8 | 55.8 | 55.9 | 56.1 |
| GE 5000 | 54.8 | 56.4 | 56.8 | 56.9 | 57.0 | 57.4 | 57.5 | 57.5 | 57.6 | 58.1 | 58.1 | 58.1 | 58.3 | 58.3 | 58.4 | 58.5 |
| GE 4500 | 56.1 | 57.7 | 58.2 | 58.4 | 58.5 | 58.9 | 59.0 | 59.0 | 59.1 | 59.6 | 59.6 | 59.6 | 59.8 | 59.8 | 60.0 | 60.1 |
| GE 4000 | 57.1 | 58.8 | 59.2 | 59.5 | 59.6 | 60.0 | 60.1 | 60.1 | 60.2 | 60.7 | 60.7 | 60.7 | 60.9 | 60.9 | 61.0 | 61.1 |
| GE 3500 | 58.7 | 60.7 | 61.1 | 61.5 | 61.6 | 62.0 | 62.1 | 62.1 | 62.2 | 62.7 | 62.7 | 62.7 | 62.9 | 62.9 | 63.0 | 63.1 |
| GE 3000 | 59.6 | 62.1 | 62.5 | 63.0 | 63.6 | 64.0 | 64.1 | 64.1 | 64.2 | 64.7 | 64.7 | 64.7 | 64.9 | 64.9 | 65.0 | 65.1 |
| GE 2500 | 60.4 | 63.5 | 64.0 | 64.4 | 65.0 | 65.4 | 65.5 | 65.5 | 65.6 | 66.1 | 66.1 | 66.1 | 66.3 | 66.3 | 66.4 | 66.5 |
| GE 2000 | 62.9 | 66.2 | 66.7 | 67.1 | 67.7 | 68.1 | 68.2 | 68.2 | 68.3 | 68.8 | 68.8 | 68.8 | 69.0 | 69.0 | 69.1 | 69.3 |
| GE 1800 | 63.1 | 66.5 | 67.0 | 67.5 | 68.1 | 68.4 | 68.7 | 68.7 | 68.8 | 69.3 | 69.3 | 69.3 | 69.5 | 69.5 | 69.6 | 69.7 |
| GE 1500 | 64.4 | 68.1 | 68.6 | 69.0 | 69.7 | 70.1 | 70.3 | 70.3 | 70.4 | 70.9 | 70.9 | 70.9 | 71.1 | 71.1 | 71.3 | 71.4 |
| GE 1200 | 64.7 | 68.3 | 68.8 | 69.4 | 70.1 | 70.4 | 70.8 | 70.9 | 71.0 | 71.5 | 71.6 | 71.6 | 71.8 | 71.8 | 72.0 | 72.1 |
| GE 1000 | 64.9 | 69.3 | 69.7 | 70.3 | 71.4 | 71.7 | 72.4 | 72.9 | 73.0 | 73.6 | 73.7 | 73.7 | 74.0 | 74.0 | 74.1 | 74.2 |
| GE 900 | 66.0 | 70.6 | 71.0 | 71.6 | 72.8 | 73.1 | 73.9 | 74.3 | 74.4 | 75.0 | 75.1 | 75.1 | 75.4 | 75.4 | 75.5 | 75.6 |
| GE 800 | 66.4 | 71.6 | 72.1 | 72.8 | 74.1 | 74.6 | 75.3 | 75.7 | 75.9 | 76.7 | 76.8 | 76.8 | 77.0 | 77.0 | 77.1 | 77.3 |
| GE 700 | 66.7 | 72.6 | 73.1 | 73.9 | 75.1 | 75.6 | 76.3 | 76.8 | 76.9 | 78.0 | 78.2 | 78.2 | 78.4 | 78.4 | 78.6 | 78.7 |
| GE 600 | 67.1 | 73.1 | 73.4 | 74.8 | 76.2 | 76.7 | 77.4 | 78.1 | 78.2 | 79.3 | 79.5 | 79.5 | 79.7 | 79.7 | 79.9 | 80.0 |
| GE 500 | 67.6 | 74.3 | 75.0 | 76.0 | 77.7 | 78.2 | 78.9 | 79.9 | 80.0 | 81.3 | 81.6 | 81.6 | 82.0 | 82.0 | 82.3 | 82.4 |
| GE 400 | 68.2 | 75.5 | 76.3 | 77.3 | 79.9 | 80.4 | 81.5 | 82.4 | 82.7 | 84.6 | 85.0 | 85.3 | 85.6 | 85.6 | 86.1 | 86.2 |
| GE 300 | 68.6 | 77.0 | 78.2 | 79.4 | 82.2 | 82.8 | 84.7 | 86.3 | 86.8 | 89.8 | 90.5 | 91.0 | 92.0 | 92.8 | 93.5 | 94.0 |
| GE 200 | 68.6 | 77.1 | 78.3 | 79.5 | 82.3 | 82.9 | 84.8 | 86.5 | 86.9 | 90.1 | 91.4 | 92.5 | 93.5 | 95.1 | 97.2 | 97.9 |
| GE 100 | 68.6 | 77.3 | 78.6 | 79.7 | 82.6 | 83.2 | 85.0 | 86.7 | 87.2 | 90.3 | 91.9 | 92.9 | 94.0 | 95.8 | 98.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 899

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: JAN HOURS(LST): ALL

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 21.4 | 23.2 | 23.6 | 23.9 | 24.3 | 24.4 | 24.6 | 24.8 | 24.8 | 25.0 | 25.3 | 25.3 | 25.8 | 25.9 | 26.4 | 26.8 |
| GE 20000 | 23.6 | 25.5 | 26.0 | 26.4 | 26.8 | 27.0 | 27.2 | 27.4 | 27.4 | 27.7 | 28.0 | 28.0 | 28.5 | 28.7 | 29.2 | 29.6 |
| GE 18000 | 23.8 | 25.8 | 26.3 | 26.7 | 27.2 | 27.3 | 27.5 | 27.7 | 27.7 | 28.0 | 28.3 | 28.3 | 28.8 | 29.0 | 29.5 | 29.9 |
| GE 16000 | 23.8 | 25.9 | 26.3 | 26.7 | 27.2 | 27.3 | 27.6 | 27.7 | 27.8 | 28.1 | 28.3 | 28.4 | 28.9 | 29.0 | 29.5 | 30.0 |
| GE 14000 | 24.7 | 26.8 | 27.3 | 27.6 | 28.2 | 28.3 | 28.6 | 28.8 | 28.8 | 29.1 | 29.4 | 29.5 | 30.0 | 30.2 | 30.7 | 31.2 |
| GE 12000 | 27.3 | 29.5 | 30.1 | 30.5 | 31.1 | 31.2 | 31.5 | 31.7 | 31.7 | 32.0 | 32.4 | 32.4 | 33.0 | 33.1 | 33.7 | 34.1 |
| GE 10000 | 29.7 | 32.4 | 33.0 | 33.5 | 34.2 | 34.3 | 34.6 | 34.8 | 34.9 | 35.2 | 35.5 | 35.6 | 36.1 | 36.3 | 36.8 | 37.3 |
| GE 9000 | 30.8 | 33.5 | 34.1 | 34.7 | 35.3 | 35.4 | 35.7 | 35.9 | 36.0 | 36.3 | 36.6 | 36.7 | 37.2 | 37.4 | 38.0 | 38.4 |
| GE 8000 | 32.5 | 35.5 | 36.2 | 36.7 | 37.3 | 37.5 | 37.8 | 38.1 | 38.1 | 38.4 | 38.7 | 38.8 | 39.4 | 39.6 | 40.1 | 40.6 |
| GE 7000 | 34.8 | 38.0 | 38.7 | 39.4 | 40.0 | 40.1 | 40.5 | 40.7 | 40.8 | 41.1 | 41.4 | 41.5 | 42.1 | 42.3 | 42.8 | 43.4 |
| GE 6000 | 35.9 | 39.1 | 39.9 | 40.5 | 41.2 | 41.3 | 41.7 | 41.9 | 42.0 | 42.3 | 42.6 | 42.7 | 43.3 | 43.5 | 44.0 | 44.6 |
| GE 5000 | 38.4 | 41.9 | 42.6 | 43.3 | 44.0 | 44.1 | 44.5 | 44.7 | 44.8 | 45.1 | 45.5 | 45.5 | 46.1 | 46.3 | 46.9 | 47.4 |
| GE 4500 | 39.1 | 42.8 | 43.5 | 44.2 | 44.9 | 45.1 | 45.4 | 45.7 | 45.8 | 46.1 | 46.5 | 46.5 | 47.1 | 47.3 | 47.9 | 48.4 |
| GE 4000 | 40.2 | 44.1 | 44.9 | 45.6 | 46.3 | 46.5 | 46.8 | 47.2 | 47.2 | 47.5 | 47.9 | 48.0 | 48.6 | 48.9 | 49.3 | 49.8 |
| GE 3500 | 40.9 | 45.0 | 45.8 | 46.5 | 47.3 | 47.5 | 47.8 | 48.2 | 48.2 | 48.5 | 48.9 | 49.0 | 49.6 | 49.8 | 50.3 | 50.8 |
| GE 3000 | 41.7 | 46.1 | 47.0 | 47.8 | 48.8 | 49.0 | 49.4 | 49.7 | 49.8 | 50.1 | 50.5 | 50.6 | 51.2 | 51.4 | 51.9 | 52.4 |
| GE 2500 | 42.9 | 47.8 | 48.8 | 49.7 | 50.7 | 51.0 | 51.4 | 51.8 | 51.8 | 52.2 | 52.5 | 52.6 | 53.2 | 53.4 | 54.0 | 54.5 |
| GE 2000 | 43.9 | 49.2 | 50.3 | 51.2 | 52.4 | 52.7 | 53.2 | 53.7 | 53.8 | 54.1 | 54.5 | 54.6 | 55.2 | 55.4 | 56.0 | 56.5 |
| GE 1800 | 44.1 | 49.4 | 50.6 | 51.5 | 52.8 | 53.1 | 53.6 | 54.2 | 54.3 | 54.6 | 55.0 | 55.1 | 55.7 | 55.9 | 56.5 | 57.0 |
| GE 1500 | 44.8 | 50.8 | 51.9 | 53.0 | 54.4 | 54.7 | 55.3 | 55.9 | 56.1 | 56.5 | 57.0 | 57.0 | 57.7 | 57.9 | 58.4 | 59.0 |
| GE 1200 | 45.6 | 52.7 | 54.0 | 55.2 | 56.9 | 57.3 | 58.0 | 58.6 | 58.8 | 59.3 | 59.7 | 59.8 | 60.5 | 60.7 | 61.2 | 61.7 |
| GE 1000 | 46.1 | 53.8 | 55.2 | 56.6 | 58.5 | 58.9 | 59.7 | 60.3 | 60.5 | 61.2 | 61.7 | 61.8 | 62.5 | 62.7 | 63.3 | 63.8 |
| GE 900 | 46.6 | 54.8 | 56.4 | 58.0 | 60.1 | 60.5 | 61.4 | 62.1 | 62.3 | 63.1 | 63.7 | 63.8 | 64.5 | 64.7 | 65.3 | 65.8 |
| GE 800 | 47.1 | 55.9 | 57.6 | 59.3 | 61.6 | 62.1 | 63.0 | 63.8 | 64.1 | 65.0 | 65.7 | 65.8 | 66.5 | 66.8 | 67.4 | 67.9 |
| GE 700 | 47.5 | 56.6 | 58.5 | 60.3 | 62.9 | 63.4 | 64.5 | 65.4 | 65.8 | 66.8 | 67.6 | 67.7 | 68.5 | 68.8 | 69.3 | 69.9 |
| GE 600 | 47.9 | 57.4 | 59.5 | 61.5 | 64.4 | 64.9 | 66.2 | 67.3 | 67.7 | 69.0 | 70.0 | 70.1 | 71.0 | 71.2 | 71.8 | 72.4 |
| GE 500 | 48.4 | 58.5 | 60.9 | 63.1 | 66.7 | 67.2 | 68.7 | 70.0 | 70.6 | 72.3 | 73.5 | 73.6 | 74.7 | 75.0 | 75.8 | 76.4 |
| GE 400 | 48.6 | 59.4 | 62.0 | 64.7 | 68.9 | 69.5 | 71.3 | 73.1 | 73.8 | 76.0 | 77.7 | 77.9 | 79.2 | 79.8 | 80.8 | 81.5 |
| GE 300 | 48.7 | 59.9 | 62.6 | 65.4 | 70.2 | 70.8 | 73.1 | 75.6 | 76.6 | 80.2 | 82.7 | 83.0 | 85.2 | 86.3 | 88.7 | 90.1 |
| GE 200 | 48.7 | 60.1 | 62.8 | 65.7 | 70.7 | 71.4 | 73.9 | 76.7 | 77.7 | 82.1 | 85.4 | 85.8 | 88.9 | 90.7 | 94.5 | 97.0 |
| GE 100 | 48.7 | 60.1 | 62.8 | 65.7 | 70.7 | 71.4 | 73.9 | 76.7 | 77.8 | 82.2 | 85.5 | 86.0 | 89.1 | 91.0 | 95.6 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
MONTH: JAN HOURS(EST): 2100-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | 23.0 | 25.1 | 25.7 | 25.8 | 26.3 | 26.6 | 27.0 | 27.1 | 27.1 | 27.3 | 28.0 | 28.0 | 28.8 | 28.8 | 30.0 | 30.9 | |
| GE 20000 | 24.0 | 26.1 | 26.8 | 26.9 | 27.4 | 27.6 | 28.2 | 28.3 | 28.3 | 28.5 | 29.1 | 29.1 | 30.0 | 30.0 | 31.2 | 32.0 | |
| GE 18000 | 24.2 | 26.3 | 27.0 | 27.1 | 27.6 | 27.8 | 28.4 | 28.5 | 28.5 | 28.7 | 29.4 | 29.4 | 30.2 | 30.2 | 31.4 | 32.3 | |
| GE 16000 | 24.2 | 26.3 | 27.0 | 27.1 | 27.6 | 27.8 | 28.4 | 28.5 | 28.5 | 28.7 | 29.4 | 29.4 | 30.2 | 30.2 | 31.4 | 32.3 | |
| GE 14000 | 27.1 | 27.6 | 28.3 | 28.4 | 28.9 | 29.1 | 29.8 | 29.9 | 29.9 | 30.1 | 30.9 | 30.9 | 31.8 | 31.8 | 33.1 | 34.3 | |
| GE 12000 | 27.3 | 29.9 | 30.5 | 30.6 | 31.2 | 31.4 | 32.0 | 32.2 | 32.2 | 32.4 | 33.1 | 33.1 | 34.2 | 34.2 | 35.5 | 36.3 | |
| GE 10000 | 29.2 | 32.7 | 33.3 | 33.7 | 34.3 | 34.5 | 35.2 | 35.3 | 35.3 | 35.5 | 36.2 | 36.2 | 37.3 | 37.3 | 38.6 | 39.5 | |
| GE 9000 | 30.5 | 34.0 | 34.6 | 34.9 | 35.6 | 35.8 | 36.5 | 36.6 | 36.6 | 36.8 | 37.6 | 37.6 | 38.7 | 38.7 | 40.0 | 40.9 | |
| GE 8000 | 32.3 | 35.9 | 36.6 | 36.9 | 37.5 | 37.7 | 38.4 | 38.5 | 38.5 | 38.7 | 39.6 | 39.6 | 40.6 | 40.6 | 41.9 | 42.8 | |
| GE 7000 | 34.4 | 38.4 | 39.0 | 39.3 | 40.1 | 40.3 | 41.0 | 41.1 | 41.1 | 41.3 | 42.2 | 42.2 | 43.2 | 43.2 | 44.5 | 45.4 | |
| GE 6000 | 35.2 | 39.2 | 39.9 | 40.3 | 41.0 | 41.2 | 41.8 | 41.9 | 41.9 | 42.2 | 43.0 | 43.0 | 44.1 | 44.1 | 45.4 | 46.2 | |
| GE 5000 | 37.3 | 41.6 | 42.3 | 42.7 | 43.3 | 43.5 | 44.2 | 44.3 | 44.3 | 44.5 | 45.4 | 45.4 | 46.5 | 46.5 | 47.7 | 48.6 | |
| GE 4500 | 38.4 | 43.1 | 43.8 | 44.2 | 44.8 | 45.2 | 45.8 | 46.1 | 46.1 | 46.3 | 47.2 | 47.2 | 48.3 | 48.3 | 49.6 | 50.4 | |
| GE 4000 | 39.6 | 44.4 | 45.1 | 45.5 | 46.1 | 46.5 | 47.1 | 47.4 | 47.4 | 47.6 | 48.5 | 48.5 | 49.6 | 49.6 | 50.9 | 51.7 | |
| GE 3500 | 40.3 | 45.2 | 45.8 | 46.2 | 46.9 | 47.2 | 47.8 | 48.2 | 48.2 | 48.4 | 49.2 | 49.2 | 50.3 | 50.3 | 51.6 | 52.5 | |
| GE 3000 | 41.6 | 46.6 | 47.2 | 47.8 | 48.6 | 48.9 | 49.6 | 49.9 | 49.9 | 50.1 | 51.0 | 51.0 | 52.0 | 52.0 | 53.3 | 54.2 | |
| GE 2500 | 43.1 | 48.3 | 48.9 | 49.7 | 50.4 | 50.8 | 51.4 | 51.7 | 51.7 | 51.9 | 52.8 | 52.8 | 53.9 | 53.9 | 55.2 | 56.0 | |
| GE 2000 | 43.9 | 49.2 | 49.9 | 50.6 | 51.6 | 51.9 | 52.6 | 52.9 | 52.9 | 53.1 | 54.0 | 54.0 | 55.1 | 55.1 | 56.3 | 57.2 | |
| GE 1800 | 44.0 | 49.4 | 50.0 | 50.9 | 51.9 | 52.3 | 52.9 | 53.2 | 53.2 | 53.4 | 54.3 | 54.3 | 55.4 | 55.4 | 56.7 | 57.5 | |
| GE 1500 | 44.7 | 51.0 | 51.6 | 52.5 | 53.5 | 53.9 | 54.7 | 55.1 | 55.1 | 55.4 | 56.2 | 56.2 | 57.3 | 57.3 | 58.6 | 59.5 | |
| GE 1200 | 45.5 | 52.8 | 53.7 | 54.5 | 55.6 | 55.9 | 56.8 | 57.1 | 57.1 | 57.4 | 58.3 | 58.3 | 59.4 | 59.4 | 60.6 | 61.5 | |
| GE 1000 | 45.6 | 53.5 | 54.5 | 55.7 | 56.8 | 57.1 | 58.0 | 58.3 | 58.3 | 58.6 | 59.5 | 59.5 | 60.5 | 60.5 | 61.8 | 62.7 | |
| GE 900 | 46.0 | 54.5 | 55.6 | 57.1 | 58.2 | 58.6 | 59.6 | 60.0 | 60.0 | 60.4 | 61.4 | 61.4 | 62.5 | 62.5 | 63.8 | 64.6 | |
| GE 800 | 46.6 | 56.1 | 57.6 | 58.9 | 60.1 | 60.5 | 61.6 | 62.0 | 62.0 | 62.6 | 63.5 | 63.5 | 64.6 | 64.6 | 65.9 | 66.8 | |
| GE 700 | 47.1 | 57.2 | 58.7 | 60.1 | 61.6 | 62.0 | 63.5 | 64.0 | 64.2 | 64.7 | 65.9 | 65.9 | 67.0 | 67.0 | 68.3 | 69.1 | |
| GE 600 | 47.8 | 58.2 | 60.0 | 61.5 | 63.2 | 63.7 | 65.2 | 65.9 | 66.1 | 67.1 | 68.3 | 68.3 | 69.5 | 69.5 | 70.8 | 71.6 | |
| GE 500 | 49.8 | 59.6 | 61.5 | 63.4 | 65.7 | 66.2 | 68.1 | 69.1 | 69.5 | 71.0 | 72.6 | 72.6 | 73.9 | 73.9 | 75.2 | 76.1 | |
| GE 400 | 49.4 | 60.4 | 62.4 | 64.7 | 67.4 | 68.0 | 69.9 | 71.3 | 71.9 | 73.9 | 76.1 | 76.1 | 77.6 | 77.6 | 79.2 | 80.2 | |
| GE 300 | 49.5 | 60.9 | 62.9 | 65.6 | 68.8 | 69.4 | 71.7 | 73.8 | 74.4 | 77.1 | 80.3 | 80.4 | 82.8 | 82.8 | 83.5 | 84.6 | |
| GE 200 | 49.5 | 61.0 | 63.2 | 66.3 | 69.5 | 70.1 | 72.8 | 75.4 | 76.0 | 79.6 | 84.3 | 84.7 | 88.2 | 88.2 | 89.6 | 91.1 | |
| GE 100 | 49.5 | 61.0 | 63.2 | 66.3 | 69.5 | 70.1 | 72.8 | 75.4 | 76.0 | 79.6 | 84.3 | 84.7 | 88.4 | 88.4 | 89.8 | 91.6 | |
| GE 0 | 49.5 | 61.0 | 63.2 | 66.3 | 69.5 | 70.1 | 72.8 | 75.4 | 76.0 | 79.6 | 84.3 | 84.7 | 88.4 | 88.4 | 89.8 | 91.6 | |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|----------|------|------|------|
| | 1 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 3E | 0 | | |
| NO CEIL | 40.0 | 41.5 | 42.2 | 42.3 | 42.5 | 42.6 | 42.6 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | |
| GE 20000 | 48.0 | 49.8 | 50.4 | 50.5 | 50.8 | 50.9 | 50.9 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| GE 18000 | 48.6 | 50.4 | 51.1 | 51.2 | 51.4 | 51.5 | 51.5 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| GE 16000 | 48.7 | 50.5 | 51.2 | 51.3 | 51.5 | 51.6 | 51.6 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| GE 14000 | 50.0 | 51.8 | 52.5 | 52.6 | 52.8 | 52.9 | 52.9 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 |
| GE 12000 | 54.8 | 57.0 | 57.7 | 57.9 | 58.1 | 58.2 | 58.2 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 |
| GE 10000 | 59.1 | 61.5 | 62.3 | 62.4 | 62.6 | 62.7 | 62.7 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| GE 9000 | 60.4 | 62.8 | 63.5 | 63.7 | 64.0 | 64.1 | 64.1 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 |
| GE 8000 | 62.5 | 65.1 | 65.8 | 65.9 | 66.3 | 66.5 | 66.5 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 |
| GE 7000 | 64.6 | 67.6 | 68.4 | 68.5 | 68.9 | 69.0 | 69.0 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 |
| GE 6000 | 65.7 | 68.8 | 69.6 | 69.7 | 70.1 | 70.2 | 70.2 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| GE 5000 | 67.5 | 71.0 | 71.7 | 71.8 | 72.3 | 72.4 | 72.4 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| GE 4500 | 68.2 | 71.7 | 72.5 | 72.6 | 73.0 | 73.1 | 73.1 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 |
| GE 4000 | 69.1 | 73.3 | 74.1 | 74.2 | 74.6 | 74.7 | 74.7 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 |
| GE 3500 | 69.9 | 74.2 | 74.9 | 75.1 | 75.5 | 75.6 | 75.6 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| GE 3000 | 71.6 | 76.1 | 77.4 | 77.6 | 78.1 | 78.2 | 78.2 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 |
| GE 2500 | 72.9 | 78.1 | 79.4 | 79.6 | 80.2 | 80.3 | 80.4 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 |
| GE 2000 | 74.7 | 80.5 | 82.2 | 82.4 | 83.1 | 83.3 | 83.5 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| GE 1800 | 75.1 | 81.0 | 82.6 | 82.8 | 83.5 | 83.8 | 84.0 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 |
| GE 1500 | 75.8 | 81.9 | 83.5 | 83.8 | 84.5 | 84.7 | 84.9 | 85.1 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| GE 1200 | 77.3 | 83.5 | 85.2 | 85.4 | 86.1 | 86.3 | 86.7 | 86.8 | 86.8 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| GE 1000 | 77.8 | 85.1 | 86.7 | 87.3 | 87.7 | 88.0 | 88.3 | 88.5 | 88.5 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| GE 900 | 78.1 | 86.0 | 87.7 | 88.2 | 89.1 | 89.4 | 89.8 | 90.0 | 90.0 | 90.2 | 90.2 | 90.2 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| GE 800 | 78.3 | 86.9 | 88.7 | 89.2 | 90.2 | 90.4 | 90.9 | 91.1 | 91.2 | 91.4 | 91.4 | 91.4 | 91.4 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| GE 700 | 78.3 | 87.4 | 89.2 | 89.9 | 91.1 | 91.3 | 91.7 | 91.9 | 92.0 | 92.3 | 92.3 | 92.3 | 92.3 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| GE 600 | 78.5 | 88.4 | 90.3 | 91.0 | 92.3 | 92.5 | 93.0 | 93.4 | 93.5 | 93.9 | 93.9 | 93.9 | 93.9 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| GE 500 | 78.5 | 88.7 | 90.6 | 91.4 | 92.8 | 93.1 | 93.7 | 94.2 | 94.3 | 94.6 | 94.6 | 94.6 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| GE 400 | 78.6 | 88.8 | 91.0 | 92.2 | 94.1 | 94.5 | 95.1 | 95.7 | 95.8 | 96.6 | 96.6 | 96.6 | 96.7 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| GE 300 | 78.6 | 89.2 | 91.6 | 92.9 | 95.1 | 95.5 | 96.0 | 96.9 | 97.0 | 97.7 | 97.7 | 97.7 | 97.7 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 200 | 78.6 | 89.2 | 91.6 | 92.9 | 95.1 | 95.6 | 96.2 | 97.2 | 97.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 100 | 78.6 | 89.2 | 91.6 | 92.9 | 95.1 | 95.6 | 96.2 | 97.2 | 97.3 | 98.4 | 98.4 | 98.4 | 98.4 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 0 | 78.6 | 89.2 | 91.6 | 92.9 | 95.1 | 95.6 | 96.2 | 97.2 | 97.3 | 98.4 | 98.4 | 98.4 | 98.4 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 37.1 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 |
| GE 20000 | 46.7 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| GE 18000 | 47.2 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| GE 16000 | 47.2 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| GE 14000 | 48.8 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 |
| GE 12000 | 51.1 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| GE 10000 | 55.3 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 |
| GE 9000 | 57.3 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 |
| GE 8000 | 60.3 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| GE 7000 | 62.2 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 |
| GE 6000 | 63.1 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 |
| GE 5000 | 65.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.3 | 66.3 | 66.3 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 |
| GE 4500 | 65.7 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 67.0 | 67.0 | 67.0 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 |
| GE 4000 | 69.7 | 70.8 | 71.0 | 71.0 | 71.0 | 71.0 | 71.2 | 71.2 | 71.2 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| GE 3500 | 75.5 | 76.7 | 76.9 | 76.9 | 76.9 | 76.9 | 77.1 | 77.1 | 77.1 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 |
| GE 3000 | 80.6 | 82.4 | 82.6 | 82.6 | 82.7 | 82.7 | 82.9 | 82.9 | 82.9 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 |
| GE 2500 | 83.0 | 85.1 | 85.3 | 85.3 | 85.5 | 85.5 | 85.7 | 85.7 | 85.7 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| GE 2000 | 83.9 | 86.5 | 86.8 | 86.8 | 87.0 | 87.0 | 87.3 | 87.3 | 87.3 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| GE 1800 | 84.2 | 86.9 | 87.2 | 87.2 | 87.4 | 87.4 | 87.7 | 87.7 | 87.7 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| GE 1500 | 85.8 | 88.9 | 89.6 | 89.7 | 89.9 | 89.9 | 90.2 | 90.3 | 90.3 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| GE 1200 | 86.8 | 90.6 | 91.4 | 91.5 | 91.9 | 91.9 | 92.3 | 92.4 | 92.4 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| GE 1000 | 87.4 | 91.9 | 92.9 | 93.1 | 93.7 | 93.7 | 94.0 | 94.2 | 94.2 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| GE 900 | 87.5 | 92.6 | 93.5 | 93.8 | 94.3 | 94.3 | 94.6 | 95.1 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| GE 800 | 87.6 | 93.1 | 94.2 | 94.4 | 95.2 | 95.2 | 95.5 | 95.9 | 95.9 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| GE 700 | 88.0 | 93.5 | 94.7 | 95.2 | 95.9 | 95.9 | 96.2 | 96.7 | 96.7 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| GE 600 | 88.1 | 94.1 | 95.3 | 95.8 | 96.7 | 96.7 | 97.1 | 97.6 | 97.6 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 500 | 88.1 | 94.4 | 95.6 | 96.2 | 97.3 | 97.3 | 97.7 | 98.3 | 98.3 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 400 | 88.1 | 94.7 | 95.9 | 96.5 | 97.6 | 97.6 | 98.1 | 98.6 | 98.6 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 300 | 88.1 | 94.8 | 96.0 | 96.7 | 97.7 | 97.7 | 98.3 | 98.8 | 98.8 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 |
| GE 200 | 88.1 | 94.8 | 96.0 | 96.7 | 97.7 | 97.7 | 98.3 | 98.8 | 98.8 | 99.4 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 |
| GE 100 | 88.1 | 94.8 | 96.1 | 96.8 | 97.8 | 97.8 | 98.4 | 98.9 | 98.9 | 99.5 | 99.7 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 |
| GE 0 | 88.1 | 94.8 | 96.1 | 96.8 | 97.8 | 97.8 | 98.4 | 98.9 | 98.9 | 99.5 | 99.7 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 39.7 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 |
| GE 20000 | 50.0 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 |
| GE 18000 | 50.4 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 |
| GE 16000 | 50.6 | 50.6 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 |
| GE 14000 | 52.4 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |
| GE 12000 | 55.4 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 |
| GE 10000 | 60.2 | 60.3 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 |
| GE 9000 | 60.9 | 61.0 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 |
| GE 8000 | 63.7 | 64.0 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 |
| GE 7000 | 67.2 | 67.5 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 |
| GE 6000 | 69.1 | 69.6 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 |
| GE 5000 | 71.6 | 72.3 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| GE 4500 | 73.4 | 74.1 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 |
| GE 4000 | 78.0 | 78.6 | 78.8 | 78.9 | 78.9 | 78.9 | 78.9 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 |
| GE 3500 | 82.2 | 83.3 | 83.5 | 83.8 | 83.8 | 83.9 | 84.0 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 |
| GE 3000 | 85.4 | 87.3 | 88.0 | 88.2 | 88.2 | 88.2 | 88.5 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| GE 2500 | 86.6 | 89.1 | 89.9 | 90.1 | 90.1 | 90.3 | 90.4 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| GE 2000 | 87.5 | 90.2 | 91.0 | 91.2 | 91.4 | 91.6 | 91.7 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| GE 1800 | 87.7 | 90.5 | 91.3 | 91.5 | 91.7 | 91.9 | 92.0 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| GE 1500 | 88.8 | 91.9 | 92.8 | 93.3 | 93.2 | 93.4 | 93.5 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| GE 1200 | 89.6 | 93.4 | 94.4 | 94.7 | 94.9 | 95.2 | 95.3 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| GE 1000 | 89.9 | 94.1 | 95.1 | 95.4 | 95.6 | 95.8 | 95.9 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 900 | 90.1 | 94.3 | 95.4 | 95.7 | 95.9 | 96.1 | 96.2 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| GE 800 | 90.5 | 95.3 | 96.3 | 96.7 | 96.9 | 97.1 | 97.2 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 700 | 90.6 | 96.1 | 97.2 | 97.5 | 97.7 | 98.0 | 98.1 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 600 | 90.6 | 96.2 | 97.3 | 97.6 | 97.8 | 98.1 | 98.2 | 98.7 | 98.7 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 500 | 90.6 | 96.3 | 97.5 | 97.8 | 98.1 | 98.3 | 98.4 | 98.9 | 98.9 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 400 | 90.6 | 96.5 | 97.6 | 98.0 | 98.2 | 98.4 | 98.6 | 99.1 | 99.2 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 300 | 90.6 | 96.5 | 97.6 | 98.0 | 98.2 | 98.4 | 98.6 | 99.1 | 99.2 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 200 | 90.6 | 96.5 | 97.6 | 98.0 | 98.2 | 98.4 | 98.6 | 99.1 | 99.2 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 100 | 90.6 | 96.5 | 97.6 | 98.0 | 98.2 | 98.4 | 98.6 | 99.1 | 99.2 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 0 | 90.6 | 96.5 | 97.6 | 98.0 | 98.2 | 98.4 | 98.6 | 99.1 | 99.2 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
MONTH: MAR HOURS(IST): 1800-2000

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | |
| GE 20000 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | |
| GE 18000 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | |
| GE 16000 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | |
| GE 14000 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | |
| GE 12000 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | |
| GE 10000 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | |
| GE 9000 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | |
| GE 8000 | 75.2 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | |
| GE 7000 | 78.3 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | |
| GE 6000 | 79.7 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | |
| GE 5000 | 82.2 | 82.4 | 82.4 | 82.4 | 82.4 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | |
| GE 4500 | 83.7 | 84.0 | 84.0 | 84.0 | 84.0 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | |
| GE 4000 | 86.7 | 87.1 | 87.1 | 87.1 | 87.1 | 87.2 | 87.2 | 87.2 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | |
| GE 3500 | 88.3 | 88.9 | 88.9 | 88.9 | 88.9 | 89.1 | 89.1 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | |
| GE 3000 | 90.4 | 91.7 | 91.7 | 91.7 | 91.7 | 91.9 | 91.9 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | |
| GE 2500 | 91.5 | 93.2 | 93.2 | 93.2 | 93.2 | 93.4 | 93.4 | 93.4 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | |
| GE 2000 | 92.2 | 93.9 | 93.9 | 93.9 | 93.9 | 94.1 | 94.1 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | |
| GE 1800 | 92.4 | 94.1 | 94.1 | 94.1 | 94.1 | 94.3 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | |
| GE 1500 | 92.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.7 | 94.7 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | |
| GE 1200 | 92.8 | 95.2 | 95.3 | 95.3 | 95.3 | 95.5 | 95.5 | 95.5 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | |
| GE 1000 | 93.2 | 95.9 | 96.0 | 96.0 | 96.2 | 96.2 | 96.2 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | |
| GE 900 | 93.4 | 96.2 | 96.3 | 96.3 | 96.5 | 96.7 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | |
| GE 800 | 93.5 | 96.6 | 96.7 | 96.8 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | |
| GE 700 | 93.5 | 96.7 | 96.8 | 97.0 | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | |
| GE 600 | 93.5 | 96.8 | 97.0 | 97.3 | 97.5 | 97.5 | 97.6 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | |
| GE 500 | 94.0 | 97.5 | 97.7 | 98.3 | 98.5 | 98.5 | 98.6 | 98.7 | 98.7 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | |
| GE 400 | 94.2 | 97.8 | 98.1 | 98.6 | 98.8 | 98.8 | 99.0 | 99.1 | 99.1 | 99.1 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | |
| GE 300 | 94.2 | 97.8 | 98.1 | 98.7 | 98.9 | 98.9 | 99.1 | 99.2 | 99.2 | 99.2 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 200 | 94.2 | 97.8 | 98.1 | 98.7 | 98.9 | 98.9 | 99.1 | 99.2 | 99.2 | 99.2 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 100 | 94.2 | 97.8 | 98.1 | 98.7 | 98.9 | 98.9 | 99.1 | 99.2 | 99.2 | 99.2 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 0 | 94.2 | 97.8 | 98.1 | 98.7 | 98.9 | 98.9 | 99.1 | 99.2 | 99.2 | 99.2 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: MAR HOURS(LST): 2100-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 57.0 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.4 | 57.4 | 57.4 | 57.4 |
| GE 20000 | 61.6 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 62.0 | 62.0 | 62.0 | 62.0 |
| GE 18000 | 61.7 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.5 | 62.5 | 62.5 | 62.5 |
| GE 16000 | 61.7 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.5 | 62.5 | 62.5 | 62.5 |
| GE 14000 | 62.5 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.2 | 63.2 | 63.2 | 63.2 |
| GE 12000 | 65.2 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.9 | 65.9 | 65.9 | 65.9 |
| GE 10000 | 70.1 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 71.0 | 71.0 | 71.0 | 71.0 |
| GE 9000 | 71.6 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.5 | 72.5 | 72.5 | 72.5 |
| GE 8000 | 75.8 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.7 | 76.7 | 76.7 | 76.7 |
| GE 7000 | 80.1 | 80.8 | 80.8 | 80.9 | 80.9 | 80.9 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.1 | 81.2 | 81.2 | 81.2 | 81.2 |
| GE 6000 | 81.1 | 81.7 | 81.7 | 81.8 | 81.8 | 81.8 | 81.9 | 81.9 | 81.9 | 81.9 | 82.0 | 82.0 | 82.2 | 82.2 | 82.2 | 82.2 |
| GE 5000 | 83.3 | 84.1 | 84.1 | 84.2 | 84.2 | 84.2 | 84.3 | 84.3 | 84.3 | 84.3 | 84.4 | 84.4 | 84.5 | 84.5 | 84.5 | 84.5 |
| GE 4500 | 84.2 | 84.9 | 84.9 | 85.1 | 85.1 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.3 | 85.3 | 85.4 | 85.4 | 85.4 | 85.4 |
| GE 4000 | 86.0 | 87.2 | 87.3 | 87.5 | 87.5 | 87.5 | 87.7 | 87.7 | 87.7 | 87.7 | 87.8 | 87.8 | 88.0 | 88.0 | 88.0 | 88.0 |
| GE 3500 | 87.4 | 88.8 | 88.9 | 89.1 | 89.1 | 89.1 | 89.4 | 89.4 | 89.4 | 89.4 | 89.5 | 89.5 | 89.6 | 89.6 | 89.6 | 89.6 |
| GE 3000 | 88.8 | 90.8 | 91.0 | 91.2 | 91.2 | 91.2 | 91.4 | 91.4 | 91.4 | 91.4 | 91.5 | 91.5 | 91.6 | 91.6 | 91.6 | 91.6 |
| GE 2500 | 89.2 | 91.3 | 91.5 | 91.8 | 91.8 | 91.8 | 92.0 | 92.0 | 92.0 | 92.0 | 92.2 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 |
| GE 2000 | 89.6 | 91.7 | 91.9 | 92.3 | 92.3 | 92.3 | 92.5 | 92.5 | 92.5 | 92.5 | 92.6 | 92.6 | 92.7 | 92.7 | 92.7 | 92.7 |
| GE 1800 | 89.6 | 92.0 | 92.3 | 92.6 | 92.6 | 92.6 | 92.8 | 92.8 | 92.8 | 92.8 | 92.9 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 |
| GE 1500 | 89.7 | 92.4 | 92.6 | 92.9 | 92.9 | 93.0 | 93.2 | 93.2 | 93.2 | 93.2 | 93.3 | 93.3 | 93.4 | 93.4 | 93.4 | 93.4 |
| GE 1200 | 89.9 | 92.7 | 92.9 | 93.2 | 93.2 | 93.3 | 93.7 | 93.7 | 93.7 | 93.7 | 93.8 | 93.8 | 93.9 | 93.9 | 93.9 | 93.9 |
| GE 1000 | 90.0 | 93.1 | 93.3 | 93.8 | 93.8 | 93.9 | 94.3 | 94.3 | 94.3 | 94.3 | 94.4 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 |
| GE 900 | 90.2 | 93.4 | 93.7 | 94.1 | 94.1 | 94.2 | 94.6 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 |
| GE 800 | 90.5 | 93.8 | 94.0 | 94.4 | 94.4 | 94.5 | 94.9 | 94.9 | 94.9 | 95.1 | 95.2 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 |
| GE 700 | 90.6 | 94.0 | 94.2 | 94.6 | 94.6 | 94.7 | 95.2 | 95.2 | 95.2 | 95.3 | 95.4 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 |
| GE 600 | 90.9 | 94.5 | 94.7 | 95.2 | 95.3 | 95.4 | 95.8 | 95.8 | 95.8 | 95.9 | 96.0 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 |
| GE 500 | 91.1 | 94.9 | 95.3 | 95.7 | 95.8 | 95.9 | 96.3 | 96.3 | 96.3 | 96.6 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 |
| GE 400 | 91.1 | 95.2 | 95.5 | 95.9 | 96.2 | 96.3 | 96.8 | 96.8 | 96.8 | 97.0 | 97.1 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 300 | 91.1 | 95.2 | 95.7 | 96.2 | 96.6 | 96.7 | 97.4 | 97.4 | 97.4 | 98.0 | 98.2 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 200 | 91.1 | 95.3 | 95.9 | 96.5 | 97.0 | 97.1 | 97.8 | 98.0 | 98.0 | 98.5 | 98.7 | 98.9 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 100 | 91.1 | 95.3 | 95.9 | 96.5 | 97.2 | 97.3 | 98.1 | 98.2 | 98.2 | 98.7 | 98.9 | 99.1 | 99.8 | 99.8 | 99.9 | 99.9 |
| GE 0 | 91.1 | 95.3 | 95.9 | 96.5 | 97.2 | 97.3 | 98.1 | 98.2 | 98.2 | 98.7 | 98.9 | 99.1 | 99.8 | 99.8 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAF/CIAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|--------------------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|--|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | 45.7 | 46.5 | 46.6 | 46.7 | 46.9 | 46.9 | 46.9 | 46.9 | 47.0 | 47.0 | 47.0 | 47.0 | 47.1 | 47.2 | 47.3 | 47.4 | |
| GE 20000 | 52.7 | 53.5 | 53.7 | 53.8 | 53.9 | 54.0 | 54.0 | 54.0 | 54.0 | 54.1 | 54.1 | 54.1 | 54.2 | 54.2 | 54.3 | 54.4 | |
| GE 18000 | 53.2 | 54.1 | 54.2 | 54.3 | 54.5 | 54.5 | 54.5 | 54.6 | 54.6 | 54.6 | 54.7 | 54.7 | 54.7 | 54.8 | 54.9 | 55.0 | |
| GE 16000 | 53.3 | 54.1 | 54.3 | 54.4 | 54.5 | 54.6 | 54.6 | 54.6 | 54.6 | 54.7 | 54.7 | 54.7 | 54.8 | 54.9 | 55.0 | 55.0 | |
| GE 14000 | 54.4 | 55.3 | 55.4 | 55.6 | 55.7 | 55.7 | 55.8 | 55.8 | 55.8 | 55.9 | 55.9 | 55.9 | 56.0 | 56.0 | 56.1 | 56.2 | |
| GE 12000 | 57.4 | 58.3 | 58.4 | 58.6 | 58.7 | 58.8 | 58.8 | 58.8 | 58.8 | 58.9 | 58.9 | 58.9 | 59.0 | 59.1 | 59.2 | 59.3 | |
| GE 10000 | 61.7 | 62.7 | 62.9 | 63.1 | 63.2 | 63.3 | 63.3 | 63.3 | 63.3 | 63.4 | 63.5 | 63.5 | 63.6 | 63.6 | 63.7 | 63.8 | |
| GE 9000 | 63.3 | 64.4 | 64.6 | 64.7 | 64.9 | 64.9 | 65.0 | 65.0 | 65.0 | 65.1 | 65.1 | 65.1 | 65.3 | 65.3 | 65.4 | 65.5 | |
| GE 8000 | 66.6 | 67.8 | 68.0 | 68.2 | 68.4 | 68.4 | 68.5 | 68.5 | 68.5 | 68.6 | 68.7 | 68.7 | 68.8 | 68.9 | 69.0 | 69.1 | |
| GE 7000 | 69.8 | 71.2 | 71.4 | 71.5 | 71.7 | 71.7 | 71.9 | 71.9 | 71.9 | 72.0 | 72.0 | 72.0 | 72.2 | 72.2 | 72.3 | 72.4 | |
| GE 6000 | 71.0 | 72.4 | 72.6 | 72.8 | 73.0 | 73.0 | 73.1 | 73.1 | 73.1 | 73.3 | 73.3 | 73.3 | 73.4 | 73.5 | 73.6 | 73.7 | |
| GE 5000 | 73.1 | 74.8 | 75.0 | 75.2 | 75.4 | 75.4 | 75.5 | 75.5 | 75.5 | 75.7 | 75.7 | 75.7 | 75.8 | 75.9 | 76.0 | 76.1 | |
| GE 4500 | 74.2 | 75.9 | 76.1 | 76.3 | 76.5 | 76.5 | 76.6 | 76.6 | 76.6 | 76.8 | 76.8 | 76.8 | 76.9 | 77.0 | 77.1 | 77.2 | |
| GE 4000 | 76.5 | 78.5 | 78.7 | 79.0 | 79.1 | 79.2 | 79.3 | 79.4 | 79.4 | 79.5 | 79.6 | 79.6 | 79.7 | 79.7 | 79.9 | 80.0 | |
| GE 3500 | 78.8 | 81.0 | 81.3 | 81.5 | 81.7 | 81.7 | 81.9 | 82.0 | 82.0 | 82.1 | 82.2 | 82.2 | 82.3 | 82.4 | 82.5 | 82.6 | |
| GE 3000 | 80.9 | 83.5 | 83.9 | 84.2 | 84.4 | 84.5 | 84.7 | 84.7 | 84.7 | 84.9 | 84.9 | 84.9 | 85.1 | 85.1 | 85.3 | 85.4 | |
| GE 2500 | 82.0 | 85.0 | 85.4 | 85.7 | 86.0 | 86.1 | 86.3 | 86.3 | 86.3 | 86.5 | 86.5 | 86.5 | 86.7 | 86.7 | 86.9 | 87.0 | |
| GE 2000 | 82.8 | 86.1 | 86.6 | 86.9 | 87.3 | 87.4 | 87.6 | 87.6 | 87.6 | 87.8 | 87.8 | 87.8 | 88.0 | 88.1 | 88.2 | 88.3 | |
| GE 1800 | 83.0 | 86.4 | 86.9 | 87.2 | 87.6 | 87.7 | 87.9 | 87.9 | 87.9 | 88.1 | 88.1 | 88.1 | 88.3 | 88.3 | 88.5 | 88.6 | |
| GE 1500 | 83.6 | 87.3 | 87.9 | 88.2 | 88.6 | 88.7 | 88.9 | 89.0 | 89.0 | 89.2 | 89.2 | 89.2 | 89.3 | 89.4 | 89.5 | 89.6 | |
| GE 1200 | 84.3 | 88.3 | 89.0 | 89.4 | 89.8 | 89.9 | 90.1 | 90.2 | 90.2 | 90.4 | 90.5 | 90.5 | 90.6 | 90.7 | 90.8 | 90.9 | |
| GE 1000 | 84.7 | 89.2 | 89.9 | 90.4 | 90.9 | 91.0 | 91.3 | 91.4 | 91.4 | 91.7 | 91.7 | 91.7 | 91.8 | 91.9 | 92.1 | 92.2 | |
| GE 900 | 85.0 | 89.8 | 90.5 | 91.0 | 91.5 | 91.6 | 91.9 | 92.1 | 92.1 | 92.3 | 92.4 | 92.4 | 92.5 | 92.6 | 92.7 | 92.8 | |
| GE 800 | 85.2 | 90.4 | 91.1 | 91.6 | 92.2 | 92.3 | 92.6 | 92.8 | 92.8 | 93.1 | 93.2 | 93.2 | 93.3 | 93.4 | 93.5 | 93.6 | |
| GE 700 | 85.4 | 90.8 | 91.5 | 92.1 | 92.8 | 92.8 | 93.1 | 93.3 | 93.4 | 93.7 | 93.7 | 93.7 | 93.8 | 93.9 | 94.1 | 94.2 | |
| GE 600 | 85.6 | 91.3 | 92.1 | 92.7 | 93.5 | 93.6 | 93.9 | 94.2 | 94.2 | 94.6 | 94.7 | 94.7 | 94.8 | 94.9 | 95.0 | 95.1 | |
| GE 500 | 85.7 | 91.8 | 92.7 | 93.3 | 94.2 | 94.3 | 94.7 | 95.1 | 95.1 | 95.5 | 95.6 | 95.6 | 95.8 | 95.8 | 96.0 | 96.1 | |
| GE 400 | 85.8 | 92.1 | 93.0 | 93.8 | 94.7 | 94.9 | 95.4 | 95.7 | 95.8 | 96.3 | 96.5 | 96.6 | 96.7 | 96.8 | 97.0 | 97.1 | |
| GE 300 | 85.8 | 92.3 | 93.3 | 94.2 | 95.3 | 95.5 | 96.0 | 96.5 | 96.6 | 97.2 | 97.6 | 97.7 | 98.0 | 98.1 | 98.3 | 98.4 | |
| GE 200 | 85.8 | 92.4 | 93.4 | 94.2 | 95.4 | 95.6 | 96.3 | 96.8 | 97.0 | 97.7 | 98.1 | 98.2 | 98.9 | 99.2 | 99.6 | 99.7 | |
| GE 100 | 85.8 | 92.4 | 93.4 | 94.3 | 95.5 | 95.7 | 96.3 | 96.9 | 97.0 | 97.8 | 98.2 | 98.3 | 98.9 | 99.2 | 99.9 | 100.0 | |
| GE 0 | 85.8 | 92.4 | 93.4 | 94.3 | 95.5 | 95.7 | 96.3 | 96.9 | 97.0 | 97.8 | 98.2 | 98.3 | 98.9 | 99.2 | 99.8 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: APR HOURS(LST): 0000-0200

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 64.0 | 64.0 | |
| GE 20000 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 70.0 | 70.1 | 70.1 | |
| GE 18000 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.4 | 70.4 | 70.6 | |
| GE 16000 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.4 | 70.4 | 70.6 | |
| GE 14000 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.7 | 70.7 | 70.8 | |
| GE 12000 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.7 | 72.7 | 72.8 | 72.8 | |
| GE 10000 | 77.4 | 77.4 | 77.6 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.8 | 77.8 | 77.9 | |
| GE 9000 | 78.7 | 78.8 | 78.9 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.1 | 79.1 | 79.2 | |
| GE 8000 | 82.6 | 82.7 | 82.8 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 83.0 | 83.0 | 83.1 | |
| GE 7000 | 85.2 | 85.3 | 85.4 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.7 | 85.7 | 85.8 | |
| GE 6000 | 86.9 | 87.1 | 87.2 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.4 | 87.4 | 87.6 | |
| GE 5000 | 89.8 | 90.0 | 90.1 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.4 | 90.4 | 90.6 | |
| GE 4500 | 90.7 | 91.0 | 91.1 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.4 | 91.4 | 91.6 | |
| GE 4000 | 92.3 | 92.7 | 92.8 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.1 | 93.1 | 93.2 | |
| GE 3500 | 93.1 | 93.6 | 93.7 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 94.0 | 94.0 | 94.1 | |
| GE 3000 | 93.9 | 94.4 | 94.6 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.9 | 94.9 | 95.0 | |
| GE 2500 | 94.3 | 94.9 | 95.0 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.3 | 95.3 | 95.4 | |
| GE 2000 | 94.9 | 95.6 | 95.7 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 96.0 | 96.0 | 96.1 | |
| GE 1800 | 95.0 | 95.7 | 95.8 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.1 | 96.1 | 96.2 | |
| GE 1500 | 95.1 | 96.0 | 96.1 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.4 | 96.4 | 96.6 | |
| GE 1200 | 95.2 | 96.2 | 96.3 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.7 | 96.7 | 96.8 | |
| GE 1000 | 95.3 | 96.3 | 96.4 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.9 | 96.9 | 97.0 | |
| GE 900 | 95.6 | 96.6 | 96.7 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 | 97.2 | |
| GE 800 | 95.7 | 96.7 | 96.8 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.3 | |
| GE 700 | 95.8 | 96.8 | 96.9 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 | 97.4 | |
| GE 600 | 96.1 | 97.3 | 97.4 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 98.0 | 98.0 | 98.1 | |
| GE 500 | 96.1 | 97.4 | 97.8 | 98.0 | 98.1 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.6 | 98.6 | 98.7 | |
| GE 400 | 96.7 | 98.0 | 98.3 | 98.6 | 98.7 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.2 | |
| GE 300 | 96.7 | 98.1 | 98.4 | 98.7 | 98.8 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.4 | |
| GE 200 | 96.7 | 98.1 | 98.4 | 98.7 | 98.8 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.4 | 99.8 | |
| GE 100 | 96.7 | 98.1 | 98.4 | 98.7 | 98.8 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 100.0 | |
| GE 0 | 96.7 | 98.1 | 98.4 | 98.7 | 98.8 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: APR HOURS(LS): 0300-0500

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 58.7 | 59.0 | 59.0 | 59.1 | 59.2 | 59.3 | 59.3 | 59.4 | 59.6 | 59.6 | 59.6 | 59.6 | 59.7 | 60.0 | 60.0 | 60.2 |
| GE 20000 | 64.3 | 64.8 | 64.8 | 64.9 | 65.0 | 65.1 | 65.1 | 65.2 | 65.3 | 65.3 | 65.3 | 65.3 | 65.4 | 65.8 | 65.8 | 66.0 |
| GE 18000 | 64.8 | 65.2 | 65.2 | 65.3 | 65.4 | 65.6 | 65.6 | 65.7 | 65.8 | 65.8 | 65.8 | 65.8 | 65.9 | 66.2 | 66.2 | 66.4 |
| GE 16000 | 65.0 | 65.4 | 65.4 | 65.6 | 65.7 | 65.8 | 65.8 | 65.9 | 66.0 | 66.0 | 66.0 | 66.0 | 66.1 | 66.4 | 66.4 | 66.7 |
| GE 14000 | 65.3 | 65.8 | 65.8 | 65.9 | 66.0 | 66.1 | 66.1 | 66.2 | 66.3 | 66.3 | 66.3 | 66.3 | 66.4 | 66.8 | 66.8 | 67.0 |
| GE 12000 | 67.8 | 68.2 | 68.2 | 68.3 | 68.4 | 68.6 | 68.6 | 68.7 | 68.8 | 68.8 | 68.8 | 68.8 | 68.9 | 69.2 | 69.2 | 69.4 |
| GE 10000 | 72.3 | 72.9 | 72.9 | 73.0 | 73.1 | 73.2 | 73.2 | 73.3 | 73.4 | 73.4 | 73.4 | 73.4 | 73.6 | 73.9 | 73.9 | 74.1 |
| GE 9000 | 75.0 | 75.7 | 75.7 | 75.8 | 75.9 | 76.0 | 76.0 | 76.1 | 76.2 | 76.2 | 76.2 | 76.2 | 76.3 | 76.7 | 76.7 | 76.9 |
| GE 8000 | 78.8 | 79.7 | 79.7 | 79.8 | 79.9 | 80.0 | 80.0 | 80.1 | 80.2 | 80.2 | 80.2 | 80.2 | 80.3 | 80.7 | 80.7 | 80.9 |
| GE 7000 | 81.4 | 82.3 | 82.3 | 82.4 | 82.6 | 82.7 | 82.7 | 82.8 | 82.9 | 82.9 | 82.9 | 82.9 | 83.0 | 83.3 | 83.3 | 83.6 |
| GE 6000 | 82.4 | 83.3 | 83.3 | 83.4 | 83.6 | 83.7 | 83.7 | 83.8 | 83.9 | 83.9 | 83.9 | 83.9 | 84.0 | 84.3 | 84.3 | 84.6 |
| GE 5000 | 85.9 | 87.0 | 87.0 | 87.1 | 87.2 | 87.3 | 87.3 | 87.4 | 87.6 | 87.6 | 87.6 | 87.6 | 87.7 | 88.0 | 88.0 | 88.2 |
| GE 4500 | 87.2 | 88.3 | 88.3 | 88.4 | 88.6 | 88.7 | 88.7 | 88.8 | 88.9 | 88.9 | 88.9 | 88.9 | 89.0 | 89.3 | 89.3 | 89.6 |
| GE 4000 | 89.0 | 90.1 | 90.1 | 90.2 | 90.3 | 90.4 | 90.4 | 90.6 | 90.7 | 90.7 | 90.7 | 90.7 | 90.8 | 91.1 | 91.1 | 91.3 |
| GE 3500 | 89.7 | 91.0 | 91.0 | 91.1 | 91.2 | 91.3 | 91.3 | 91.4 | 91.6 | 91.6 | 91.6 | 91.6 | 91.7 | 92.0 | 92.0 | 92.2 |
| GE 3000 | 90.2 | 91.6 | 91.6 | 91.7 | 91.8 | 91.9 | 91.9 | 92.0 | 92.1 | 92.1 | 92.1 | 92.1 | 92.2 | 92.6 | 92.6 | 92.8 |
| GE 2500 | 90.9 | 92.2 | 92.2 | 92.3 | 92.4 | 92.6 | 92.6 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.9 | 93.2 | 93.2 | 93.4 |
| GE 2000 | 91.0 | 92.4 | 92.4 | 92.6 | 92.8 | 92.9 | 92.9 | 93.0 | 93.1 | 93.1 | 93.1 | 93.1 | 93.2 | 93.6 | 93.6 | 93.8 |
| GE 1800 | 91.1 | 92.6 | 92.6 | 92.7 | 92.9 | 93.0 | 93.0 | 93.1 | 93.2 | 93.2 | 93.2 | 93.2 | 93.3 | 93.7 | 93.7 | 93.9 |
| GE 1500 | 91.3 | 92.9 | 92.9 | 93.0 | 93.2 | 93.3 | 93.3 | 93.4 | 93.6 | 93.6 | 93.6 | 93.6 | 93.7 | 93.8 | 94.1 | 94.3 |
| GE 1200 | 91.7 | 93.2 | 93.2 | 93.3 | 93.6 | 93.7 | 93.7 | 93.8 | 93.9 | 93.9 | 93.9 | 93.9 | 94.0 | 94.1 | 94.4 | 94.7 |
| GE 1000 | 91.9 | 93.4 | 93.4 | 93.6 | 93.8 | 93.9 | 93.9 | 94.0 | 94.1 | 94.1 | 94.3 | 94.4 | 94.6 | 94.9 | 94.9 | 95.1 |
| GE 900 | 92.2 | 94.0 | 94.0 | 94.1 | 94.3 | 94.4 | 94.4 | 94.6 | 94.7 | 94.7 | 94.9 | 95.0 | 95.1 | 95.4 | 95.4 | 95.7 |
| GE 800 | 92.4 | 94.2 | 94.2 | 94.3 | 94.6 | 94.7 | 94.7 | 94.9 | 95.0 | 95.0 | 95.2 | 95.3 | 95.4 | 95.8 | 95.8 | 96.0 |
| GE 700 | 93.0 | 94.8 | 95.0 | 95.1 | 95.4 | 95.6 | 95.6 | 95.8 | 95.9 | 95.9 | 96.1 | 96.2 | 96.4 | 96.8 | 96.8 | 97.0 |
| GE 600 | 93.1 | 95.4 | 95.8 | 96.3 | 96.6 | 96.7 | 96.7 | 96.9 | 97.0 | 97.0 | 97.2 | 97.3 | 97.6 | 97.9 | 97.9 | 98.1 |
| GE 500 | 93.2 | 95.8 | 96.1 | 96.4 | 97.0 | 97.1 | 97.1 | 97.3 | 97.4 | 97.4 | 97.7 | 97.8 | 98.0 | 98.3 | 98.3 | 98.6 |
| GE 400 | 93.4 | 96.0 | 96.3 | 96.7 | 97.2 | 97.3 | 97.3 | 97.6 | 97.7 | 97.7 | 97.9 | 98.0 | 98.2 | 98.6 | 98.6 | 98.8 |
| GE 300 | 93.6 | 96.3 | 96.8 | 97.1 | 97.7 | 97.8 | 97.9 | 98.1 | 98.2 | 98.2 | 98.6 | 98.7 | 98.9 | 99.2 | 99.2 | 99.4 |
| GE 200 | 93.6 | 96.3 | 96.8 | 97.1 | 97.7 | 97.8 | 97.9 | 98.1 | 98.2 | 98.2 | 98.6 | 98.7 | 99.2 | 99.6 | 99.6 | 100.0 |
| GE 100 | 93.6 | 96.3 | 96.8 | 97.1 | 97.7 | 97.8 | 97.9 | 98.1 | 98.2 | 98.2 | 98.6 | 98.7 | 99.2 | 99.6 | 99.6 | 100.0 |
| GE 0 | 93.6 | 96.3 | 96.8 | 97.1 | 97.7 | 97.8 | 97.9 | 98.1 | 98.2 | 98.2 | 98.6 | 98.7 | 99.2 | 99.6 | 99.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
MONTH: APR HOURS(LST): 0600-0800

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|------|------|------|------|------|------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|
| | 1 | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE |
| | 1 | 3/8 | 1/2 | 5/8 | 3/4 | 7/8 | 1 | 1 1/8 | 1 1/4 | 1 1/2 | 1 3/4 | 2 | 2 1/4 | 2 1/2 | 2 3/4 | 3 | 3 1/4 |
| NO CEIL | 51.0 | 52.0 | 52.1 | 52.4 | 52.7 | 52.7 | 52.7 | 52.8 | 52.8 | 52.8 | 52.9 | 52.9 | 53.0 | 53.2 | 53.7 | 53.9 | |
| GE 20000 | 57.4 | 58.4 | 58.6 | 59.0 | 59.2 | 59.2 | 59.2 | 59.3 | 59.3 | 59.4 | 59.6 | 59.6 | 59.8 | 60.0 | 60.4 | 60.7 | |
| GE 18000 | 57.7 | 58.7 | 58.8 | 59.2 | 59.4 | 59.4 | 59.4 | 59.6 | 59.6 | 59.7 | 59.8 | 59.8 | 60.0 | 60.2 | 60.7 | 60.9 | |
| GE 16000 | 58.2 | 59.2 | 59.3 | 59.8 | 60.0 | 60.0 | 60.0 | 60.1 | 60.1 | 60.2 | 60.3 | 60.3 | 60.6 | 60.8 | 61.2 | 61.4 | |
| GE 14000 | 59.9 | 61.0 | 61.1 | 61.6 | 61.8 | 61.8 | 61.8 | 61.9 | 61.9 | 62.0 | 62.1 | 62.1 | 62.3 | 62.6 | 63.0 | 63.2 | |
| GE 12000 | 62.0 | 63.6 | 63.7 | 64.1 | 64.3 | 64.3 | 64.3 | 64.4 | 64.4 | 64.6 | 64.7 | 64.7 | 64.9 | 65.1 | 65.6 | 65.8 | |
| GE 10000 | 64.7 | 66.4 | 66.7 | 67.2 | 67.6 | 67.6 | 67.6 | 67.7 | 67.7 | 67.8 | 67.9 | 67.9 | 68.1 | 68.3 | 68.8 | 69.0 | |
| GE 9000 | 67.2 | 69.2 | 69.4 | 70.3 | 70.3 | 70.3 | 70.3 | 70.4 | 70.4 | 70.6 | 70.7 | 70.7 | 70.9 | 71.1 | 71.6 | 71.8 | |
| GE 8000 | 71.6 | 73.7 | 73.9 | 74.6 | 75.0 | 75.0 | 75.0 | 75.1 | 75.1 | 75.2 | 75.3 | 75.3 | 75.6 | 75.8 | 76.2 | 76.4 | |
| GE 7000 | 75.0 | 77.1 | 77.3 | 78.0 | 78.4 | 78.4 | 78.4 | 78.6 | 78.6 | 78.7 | 78.8 | 78.8 | 79.0 | 79.2 | 79.7 | 79.9 | |
| GE 6000 | 76.4 | 78.7 | 78.9 | 79.5 | 80.0 | 80.0 | 80.0 | 80.1 | 80.1 | 80.2 | 80.3 | 80.3 | 80.6 | 80.8 | 81.2 | 81.4 | |
| GE 5000 | 78.6 | 80.8 | 81.0 | 81.7 | 82.1 | 82.1 | 82.1 | 82.2 | 82.2 | 82.3 | 82.4 | 82.4 | 82.7 | 82.9 | 83.3 | 83.6 | |
| GE 4500 | 79.9 | 82.3 | 82.6 | 83.2 | 83.7 | 83.7 | 83.7 | 83.8 | 83.8 | 83.9 | 84.0 | 84.0 | 84.2 | 84.4 | 84.9 | 85.1 | |
| GE 4000 | 81.9 | 84.7 | 84.9 | 85.6 | 86.0 | 86.0 | 86.0 | 86.1 | 86.1 | 86.2 | 86.3 | 86.3 | 86.6 | 86.8 | 87.2 | 87.4 | |
| GE 3500 | 82.7 | 85.7 | 85.9 | 86.6 | 87.0 | 87.0 | 87.0 | 87.1 | 87.1 | 87.2 | 87.3 | 87.3 | 87.6 | 87.8 | 88.2 | 88.4 | |
| GE 3000 | 82.9 | 85.9 | 86.1 | 86.9 | 87.4 | 87.4 | 87.4 | 87.6 | 87.6 | 87.7 | 87.8 | 87.8 | 88.0 | 88.2 | 88.7 | 88.9 | |
| GE 2500 | 83.3 | 86.3 | 86.7 | 87.4 | 88.0 | 88.0 | 88.0 | 88.1 | 88.1 | 88.2 | 88.3 | 88.3 | 88.6 | 88.8 | 89.2 | 89.4 | |
| GE 2000 | 85.6 | 86.6 | 87.0 | 87.8 | 88.3 | 88.3 | 88.3 | 88.4 | 88.4 | 88.6 | 88.7 | 88.7 | 88.9 | 89.1 | 89.6 | 89.8 | |
| GE 1800 | 83.8 | 86.8 | 87.2 | 88.0 | 88.6 | 88.6 | 88.6 | 88.7 | 88.7 | 88.8 | 88.9 | 88.9 | 89.1 | 89.3 | 89.8 | 90.0 | |
| GE 1500 | 84.3 | 87.4 | 88.0 | 88.9 | 89.4 | 89.4 | 89.4 | 89.6 | 89.6 | 89.7 | 89.8 | 89.8 | 90.0 | 90.2 | 90.7 | 90.9 | |
| GE 1200 | 84.7 | 87.9 | 88.6 | 89.4 | 90.0 | 90.0 | 90.0 | 90.1 | 90.1 | 90.2 | 90.3 | 90.3 | 90.6 | 90.8 | 91.2 | 91.4 | |
| GE 1000 | 85.2 | 88.6 | 89.3 | 90.6 | 91.1 | 91.1 | 91.1 | 91.2 | 91.2 | 91.3 | 91.4 | 91.4 | 91.7 | 91.9 | 92.3 | 92.6 | |
| GE 900 | 85.8 | 89.1 | 89.9 | 91.1 | 91.7 | 91.7 | 91.7 | 91.8 | 91.8 | 91.9 | 92.0 | 92.0 | 92.2 | 92.4 | 92.9 | 93.1 | |
| GE 800 | 86.1 | 89.4 | 90.2 | 91.4 | 92.1 | 92.1 | 92.1 | 92.2 | 92.2 | 92.3 | 92.4 | 92.4 | 92.7 | 92.9 | 93.3 | 93.6 | |
| GE 700 | 86.1 | 89.4 | 90.4 | 91.7 | 92.7 | 92.7 | 92.7 | 92.8 | 92.8 | 92.9 | 93.0 | 93.0 | 93.2 | 93.6 | 94.0 | 94.2 | |
| GE 600 | 87.0 | 90.9 | 92.0 | 93.4 | 94.7 | 94.7 | 94.7 | 94.8 | 94.9 | 95.0 | 95.1 | 95.1 | 95.3 | 95.7 | 96.1 | 96.3 | |
| GE 500 | 87.1 | 91.1 | 92.6 | 94.2 | 95.6 | 95.6 | 95.7 | 95.9 | 95.9 | 96.0 | 96.1 | 96.1 | 96.3 | 96.7 | 97.1 | 97.3 | |
| GE 400 | 87.4 | 91.4 | 93.0 | 94.8 | 96.7 | 96.7 | 96.8 | 97.0 | 97.0 | 97.3 | 97.4 | 97.4 | 97.7 | 98.0 | 98.4 | 98.7 | |
| GE 300 | 87.4 | 91.6 | 93.1 | 94.9 | 97.0 | 97.0 | 97.2 | 97.4 | 97.4 | 97.9 | 98.2 | 98.2 | 98.7 | 99.0 | 99.4 | 99.7 | |
| GE 200 | 87.4 | 91.6 | 93.1 | 95.3 | 97.1 | 97.1 | 97.3 | 97.6 | 97.6 | 98.1 | 98.4 | 98.4 | 99.0 | 99.3 | 99.8 | 100.0 | |
| GE 100 | 87.4 | 91.6 | 93.1 | 95.3 | 97.1 | 97.1 | 97.3 | 97.6 | 97.6 | 98.1 | 98.4 | 98.4 | 99.0 | 99.3 | 99.8 | 100.0 | |
| GE 0 | 87.4 | 91.6 | 93.1 | 95.3 | 97.1 | 97.1 | 97.3 | 97.6 | 97.6 | 98.1 | 98.4 | 98.4 | 99.0 | 99.3 | 99.8 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
MONTH: APR HOURS(LST): 0900-1100

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 50.2 | 50.9 | 51.0 | 51.3 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| GE 20000 | 58.7 | 59.3 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 |
| GE 18000 | 59.2 | 59.9 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 |
| GE 16000 | 59.3 | 60.0 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 |
| GE 14000 | 60.2 | 60.9 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 |
| GE 12000 | 63.9 | 64.8 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 |
| GE 10000 | 68.7 | 69.7 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 |
| GE 9000 | 69.9 | 70.9 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 8000 | 73.2 | 74.2 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| GE 7000 | 76.3 | 77.3 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| GE 6000 | 77.9 | 78.9 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 |
| GE 5000 | 80.1 | 81.1 | 81.3 | 81.3 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 |
| GE 4500 | 81.1 | 82.1 | 82.3 | 82.3 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 |
| GE 4000 | 83.0 | 84.2 | 84.4 | 84.4 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| GE 3500 | 85.7 | 86.9 | 87.1 | 87.1 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 |
| GE 3000 | 88.7 | 90.0 | 90.2 | 90.3 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| GE 2500 | 89.9 | 91.2 | 91.4 | 91.6 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| GE 2000 | 90.9 | 92.3 | 92.6 | 92.7 | 92.9 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| GE 1800 | 91.2 | 92.8 | 93.0 | 93.1 | 93.3 | 93.3 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| GE 1500 | 92.0 | 93.9 | 94.2 | 94.3 | 94.7 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| GE 1200 | 92.9 | 94.9 | 95.3 | 95.4 | 95.8 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 1000 | 93.6 | 95.9 | 96.3 | 96.6 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| GE 900 | 93.6 | 95.9 | 96.3 | 96.6 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| GE 800 | 93.8 | 96.2 | 96.8 | 97.1 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 700 | 93.9 | 96.7 | 97.2 | 97.7 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 600 | 94.0 | 97.0 | 97.6 | 98.1 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 500 | 94.1 | 97.2 | 97.8 | 98.7 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 400 | 94.1 | 97.6 | 98.1 | 99.3 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 94.1 | 97.6 | 98.1 | 99.0 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 94.1 | 97.6 | 98.1 | 99.3 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 94.1 | 97.6 | 98.1 | 99.3 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: APR HOURS(LST): 1200-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 37.9 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 |
| GE 20000 | 47.7 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 |
| GE 18000 | 48.2 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 |
| GE 16000 | 48.4 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 |
| GE 14000 | 49.6 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| GE 12000 | 51.4 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 |
| GE 10000 | 56.3 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 |
| GE 9000 | 57.3 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 |
| GE 8000 | 58.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 |
| GE 7000 | 60.4 | 61.6 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 |
| GE 6000 | 61.3 | 62.4 | 62.7 | 62.7 | 62.7 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| GE 5000 | 65.8 | 67.0 | 67.2 | 67.2 | 67.2 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 |
| GE 4500 | 67.7 | 68.9 | 69.1 | 69.1 | 69.1 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 |
| GE 4000 | 74.4 | 75.7 | 75.9 | 75.9 | 75.9 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| GE 3500 | 84.4 | 85.9 | 86.1 | 86.1 | 86.1 | 86.2 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| GE 3000 | 90.9 | 92.3 | 92.6 | 92.8 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| GE 2500 | 92.7 | 94.3 | 94.6 | 94.8 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| GE 2000 | 93.8 | 95.4 | 95.7 | 95.9 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| GE 1800 | 94.0 | 95.7 | 95.9 | 96.1 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| GE 1500 | 94.6 | 96.4 | 96.7 | 97.0 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 1200 | 95.0 | 97.2 | 97.4 | 97.8 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 1000 | 95.2 | 97.9 | 98.1 | 98.7 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 900 | 95.2 | 98.0 | 98.2 | 98.8 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 800 | 95.3 | 98.1 | 98.4 | 99.0 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 700 | 95.3 | 98.1 | 98.4 | 99.1 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 600 | 95.3 | 98.1 | 98.4 | 99.1 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 500 | 95.3 | 98.1 | 98.4 | 99.1 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 400 | 95.4 | 98.3 | 98.7 | 99.3 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 95.4 | 98.3 | 98.7 | 99.3 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 95.4 | 98.3 | 98.7 | 99.3 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 95.4 | 98.3 | 98.7 | 99.3 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 95.4 | 98.3 | 98.7 | 99.3 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: APR HOURS(LST): 1500-1700

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 37.6 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 |
| GE 20000 | 50.1 | 50.4 | 50.4 | 50.4 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 |
| GE 18000 | 50.9 | 51.2 | 51.2 | 51.2 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 |
| GE 16000 | 51.7 | 52.0 | 52.0 | 52.0 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| GE 14000 | 52.7 | 53.0 | 53.0 | 53.0 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 |
| GE 12000 | 56.1 | 56.4 | 56.4 | 56.4 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 |
| GE 10000 | 59.9 | 60.4 | 60.4 | 60.4 | 60.7 | 60.7 | 60.7 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 |
| GE 9000 | 61.4 | 62.0 | 62.0 | 62.0 | 62.2 | 62.2 | 62.2 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 |
| GE 8000 | 64.8 | 65.3 | 65.3 | 65.3 | 65.6 | 65.6 | 65.6 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 |
| GE 7000 | 67.3 | 67.9 | 67.9 | 67.9 | 68.1 | 68.1 | 68.1 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 |
| GE 6000 | 69.3 | 70.0 | 70.0 | 70.0 | 70.2 | 70.2 | 70.2 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| GE 5000 | 73.8 | 74.4 | 74.4 | 74.4 | 75.1 | 75.1 | 75.1 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 |
| GE 4500 | 76.8 | 77.4 | 77.4 | 77.4 | 78.1 | 78.1 | 78.1 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| GE 4000 | 84.3 | 85.0 | 85.0 | 85.0 | 85.7 | 85.7 | 85.7 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| GE 3500 | 88.1 | 89.2 | 89.2 | 89.2 | 89.9 | 89.9 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| GE 3000 | 92.9 | 94.2 | 94.2 | 94.2 | 95.0 | 95.0 | 95.0 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| GE 2500 | 93.6 | 95.4 | 95.4 | 95.4 | 96.2 | 96.2 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| GE 2000 | 94.1 | 96.4 | 96.4 | 96.4 | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 1800 | 94.2 | 96.6 | 96.6 | 96.6 | 97.3 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 1500 | 94.3 | 96.9 | 97.3 | 97.3 | 97.6 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 1200 | 94.4 | 97.1 | 97.6 | 97.6 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 1000 | 94.6 | 97.7 | 98.1 | 98.4 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 900 | 94.6 | 97.7 | 98.1 | 98.6 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 800 | 94.6 | 97.7 | 98.1 | 98.6 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 700 | 94.6 | 97.7 | 98.1 | 98.6 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 600 | 94.6 | 97.7 | 98.2 | 98.8 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 500 | 94.6 | 97.7 | 98.2 | 98.8 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 400 | 94.6 | 97.7 | 98.2 | 98.8 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 300 | 94.6 | 97.7 | 98.2 | 98.8 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 94.6 | 97.7 | 98.2 | 98.8 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 94.6 | 97.7 | 98.2 | 98.8 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 94.6 | 97.7 | 98.2 | 98.8 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-65
MONTH: APR HOURS(DST): 1800-2000

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|-------|------|------|------|------|----------|-------|----------|----------|-------|--------|--------|--------|---------|--------|-------|
| | 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 |
| GE 20000 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 |
| GE 18000 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 |
| GE 16000 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 |
| GE 14000 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 |
| GE 12000 | 71.1 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| GE 10000 | 74.9 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 |
| GE 9000 | 75.7 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 |
| GE 8000 | 80.4 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| GE 7000 | 82.4 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 |
| GE 6000 | 84.6 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| GE 5000 | 88.3 | 88.6 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| GE 4500 | 89.6 | 90.0 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| GE 4000 | 92.4 | 93.0 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| GE 3500 | 93.6 | 94.1 | 94.2 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| GE 3000 | 95.4 | 96.0 | 96.1 | 96.1 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| GE 2500 | 95.6 | 96.4 | 96.6 | 96.6 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| GE 2000 | 95.9 | 96.6 | 96.9 | 96.9 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 1800 | 95.9 | 96.8 | 96.9 | 96.9 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 1500 | 96.0 | 96.9 | 97.0 | 97.0 | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 1200 | 96.1 | 97.3 | 97.4 | 97.4 | 97.7 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 1000 | 96.2 | 97.8 | 97.9 | 97.9 | 98.1 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 900 | 96.2 | 97.8 | 97.9 | 97.9 | 98.1 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 800 | 96.3 | 98.1 | 98.2 | 98.3 | 98.6 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 700 | 96.3 | 98.1 | 98.2 | 98.3 | 98.6 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 600 | 96.3 | 98.2 | 98.3 | 98.4 | 98.7 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 500 | 96.3 | 98.2 | 98.4 | 98.7 | 99.2 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 400 | 96.4 | 98.3 | 98.6 | 98.8 | 99.3 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 300 | 96.4 | 98.3 | 98.6 | 98.8 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 96.4 | 98.3 | 98.6 | 98.8 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 96.4 | 98.3 | 98.6 | 98.8 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 96.4 | 98.3 | 98.6 | 98.8 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
MONTH: APR HOURS (LST): 2100-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | 63.8 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | |
| GE 20000 | 70.2 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | |
| GE 18000 | 70.3 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | |
| GE 16000 | 70.4 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | |
| GE 14000 | 70.7 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | |
| GE 12000 | 73.0 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | |
| GE 10000 | 77.0 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.2 | 77.2 | 77.2 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | |
| GE 9000 | 78.9 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.1 | 79.1 | 79.1 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | |
| GE 8000 | 82.7 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.9 | 82.9 | 82.9 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | |
| GE 7000 | 85.9 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.2 | 86.2 | 86.2 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | |
| GE 6000 | 87.8 | 88.0 | 88.2 | 88.2 | 88.2 | 88.2 | 88.3 | 88.3 | 88.3 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | |
| GE 5000 | 91.7 | 91.9 | 92.1 | 92.1 | 92.1 | 92.1 | 92.2 | 92.2 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | |
| GE 4500 | 93.1 | 93.3 | 93.6 | 93.6 | 93.6 | 93.6 | 93.7 | 93.7 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | |
| GE 4000 | 93.7 | 93.9 | 94.1 | 94.1 | 94.1 | 94.1 | 94.2 | 94.2 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | |
| GE 3500 | 94.9 | 95.2 | 95.4 | 95.4 | 95.4 | 95.4 | 95.6 | 95.6 | 95.6 | 95.7 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | |
| GE 3000 | 95.3 | 95.7 | 95.9 | 95.9 | 95.9 | 95.9 | 96.0 | 96.0 | 96.0 | 96.1 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | |
| GE 2500 | 95.8 | 96.4 | 96.7 | 96.7 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.9 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | |
| GE 2000 | 96.0 | 97.0 | 97.2 | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | |
| GE 1800 | 96.0 | 97.0 | 97.2 | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | |
| GE 1500 | 96.0 | 97.0 | 97.2 | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | |
| GE 1200 | 96.2 | 97.2 | 97.4 | 97.4 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | |
| GE 1000 | 96.2 | 97.4 | 97.7 | 97.7 | 97.8 | 97.8 | 97.9 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | |
| GE 900 | 96.3 | 97.7 | 98.0 | 98.0 | 98.1 | 98.1 | 98.2 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | |
| GE 800 | 96.3 | 97.9 | 98.2 | 98.2 | 98.3 | 98.3 | 98.4 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | |
| GE 700 | 96.6 | 98.1 | 98.4 | 98.4 | 98.6 | 98.6 | 98.7 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | |
| GE 600 | 96.6 | 98.1 | 98.4 | 98.4 | 98.6 | 98.6 | 98.7 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | |
| GE 500 | 96.6 | 98.1 | 98.8 | 98.8 | 98.9 | 98.9 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | |
| GE 400 | 96.6 | 98.2 | 98.9 | 99.0 | 99.1 | 99.1 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | |
| GE 300 | 96.6 | 98.2 | 98.9 | 99.1 | 99.2 | 99.2 | 99.3 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | |
| GE 200 | 96.6 | 98.2 | 98.9 | 99.1 | 99.2 | 99.2 | 99.3 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | |
| GE 100 | 96.6 | 98.2 | 98.9 | 99.1 | 99.2 | 99.2 | 99.3 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | |
| GE 0 | 96.6 | 98.2 | 98.9 | 99.1 | 99.2 | 99.2 | 99.3 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 930

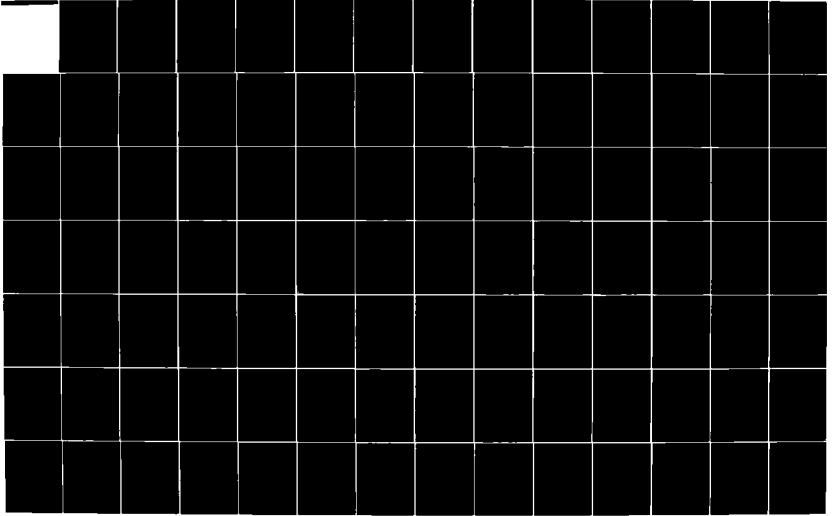
AD-A159 700

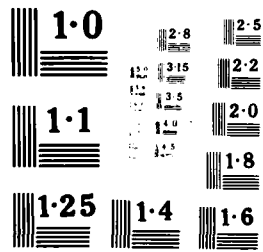
FAIRCHILD AFB WASHINGTON REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSER. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. . SEP 85
UNCLASSIFIED USAFETAC/DS-85/051

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F/G 4/2

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
MONTH: APR HOURS(TST): ALL

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 52.1 | 52.4 | 52.4 | 52.5 | 52.5 | 52.5 | 52.5 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.7 | 52.8 | 52.8 |
| GE 20000 | 60.5 | 60.9 | 61.3 | 61.4 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.6 | 61.6 | 61.6 | 61.6 | 61.7 | 61.8 |
| GE 18000 | 61.0 | 61.4 | 61.4 | 61.7 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.9 | 62.0 | 62.0 | 62.1 |
| GE 16000 | 61.2 | 61.6 | 61.6 | 61.7 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.9 | 62.0 | 62.0 | 62.1 |
| GE 14000 | 62.0 | 62.4 | 62.4 | 62.5 | 62.5 | 62.5 | 62.5 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.7 | 62.7 | 62.8 | 62.8 |
| GE 12000 | 64.7 | 65.2 | 65.3 | 65.3 | 65.3 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.5 | 65.5 | 65.6 | 65.7 | 65.7 |
| GE 10000 | 68.9 | 69.5 | 69.6 | 69.7 | 69.8 | 69.8 | 69.8 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 70.0 | 70.0 | 70.1 | 70.2 |
| GE 9000 | 70.5 | 71.2 | 71.3 | 71.4 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.6 | 71.6 | 71.6 | 71.6 | 71.7 | 71.8 | 71.8 |
| GE 8000 | 74.1 | 74.8 | 74.9 | 75.3 | 75.1 | 75.1 | 75.1 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.3 | 75.3 | 75.4 | 75.5 |
| GE 7000 | 76.8 | 77.5 | 77.6 | 77.7 | 77.8 | 77.8 | 77.9 | 77.9 | 77.9 | 78.0 | 78.0 | 78.0 | 78.1 | 78.1 | 78.2 | 78.2 |
| GE 6000 | 78.3 | 79.2 | 79.3 | 79.4 | 79.5 | 79.5 | 79.5 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.7 | 79.8 | 79.8 | 79.9 |
| GE 5000 | 81.7 | 82.6 | 82.8 | 82.9 | 83.0 | 83.1 | 83.1 | 83.1 | 83.1 | 83.2 | 83.2 | 83.2 | 83.2 | 83.3 | 83.4 | 83.4 |
| GE 4500 | 83.3 | 84.2 | 84.4 | 84.5 | 84.6 | 84.6 | 84.7 | 84.7 | 84.7 | 84.7 | 84.8 | 84.8 | 84.8 | 84.9 | 84.9 | 85.0 |
| GE 4000 | 86.4 | 87.4 | 87.6 | 87.7 | 87.8 | 87.9 | 87.9 | 87.9 | 87.9 | 88.0 | 88.0 | 88.0 | 88.0 | 88.1 | 88.2 | 88.2 |
| GE 3500 | 89.0 | 90.2 | 90.4 | 90.5 | 90.7 | 90.7 | 90.7 | 90.7 | 90.8 | 90.8 | 90.8 | 90.8 | 90.9 | 90.9 | 91.0 | 91.1 |
| GE 3000 | 91.3 | 92.5 | 92.7 | 92.9 | 93.1 | 93.1 | 93.1 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.3 | 93.3 | 93.4 | 93.5 |
| GE 2500 | 92.0 | 93.4 | 93.6 | 93.8 | 94.0 | 94.0 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.2 | 94.3 | 94.3 | 94.4 |
| GE 2000 | 92.5 | 94.1 | 94.3 | 94.5 | 94.7 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.9 | 95.0 | 95.1 | 95.1 |
| GE 1800 | 92.7 | 94.2 | 94.4 | 94.6 | 94.8 | 94.9 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.1 | 95.1 | 95.2 | 95.3 |
| GE 1500 | 93.0 | 94.7 | 94.9 | 95.2 | 95.4 | 95.4 | 95.5 | 95.5 | 95.5 | 95.6 | 95.6 | 95.6 | 95.7 | 95.7 | 95.8 | 95.8 |
| GE 1200 | 93.3 | 95.1 | 95.4 | 95.7 | 95.9 | 96.0 | 96.0 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.2 | 96.3 | 96.3 | 96.4 |
| GE 1000 | 93.5 | 95.6 | 95.9 | 96.3 | 96.6 | 96.6 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.9 | 97.0 | 97.0 | 97.1 |
| GE 900 | 93.7 | 95.8 | 96.1 | 96.5 | 96.8 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.2 | 97.3 | 97.3 |
| GE 800 | 93.8 | 96.0 | 96.4 | 96.8 | 97.1 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.4 | 97.4 | 97.5 | 97.5 | 97.6 | 97.7 |
| GE 700 | 93.9 | 96.2 | 96.6 | 97.0 | 97.4 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 | 97.8 | 97.9 | 97.9 | 98.0 |
| GE 600 | 94.1 | 96.6 | 97.0 | 97.5 | 98.0 | 98.0 | 98.1 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.4 | 98.4 | 98.5 | 98.6 |
| GE 500 | 94.2 | 96.7 | 97.3 | 97.8 | 98.4 | 98.5 | 98.6 | 98.6 | 98.7 | 98.7 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.1 |
| GE 400 | 94.3 | 96.9 | 97.5 | 98.1 | 98.7 | 98.8 | 98.9 | 99.0 | 99.0 | 99.1 | 99.2 | 99.2 | 99.3 | 99.4 | 99.4 | 99.5 |
| GE 300 | 94.3 | 97.0 | 97.6 | 98.2 | 98.9 | 99.0 | 99.1 | 99.2 | 99.2 | 99.3 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 |
| GE 200 | 94.3 | 97.0 | 97.6 | 98.2 | 98.9 | 99.0 | 99.1 | 99.2 | 99.2 | 99.4 | 99.5 | 99.5 | 99.7 | 99.8 | 99.9 | 100.0 |
| GE 100 | 94.3 | 97.0 | 97.6 | 98.2 | 98.9 | 99.0 | 99.1 | 99.2 | 99.2 | 99.4 | 99.5 | 99.5 | 99.7 | 99.8 | 99.9 | 100.0 |
| GE 0 | 94.3 | 97.0 | 97.6 | 98.2 | 98.9 | 99.0 | 99.1 | 99.2 | 99.2 | 99.4 | 99.5 | 99.5 | 99.7 | 99.8 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 7230

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: MAY HOURS(LST): 0000-0200

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 63.4 | 63.9 | 63.9 | 63.9 | 63.9 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.2 | 64.2 | 64.2 | 64.2 |
| GE 20000 | 69.0 | 69.4 | 69.4 | 69.4 | 69.4 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.8 | 69.8 | 69.8 | 69.8 |
| GE 18000 | 69.1 | 69.5 | 69.5 | 69.5 | 69.5 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 70.0 | 70.0 | 70.0 | 70.0 |
| GE 16000 | 69.1 | 69.5 | 69.5 | 69.5 | 69.5 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 70.0 | 70.0 | 70.0 | 70.0 |
| GE 14000 | 69.4 | 69.9 | 69.9 | 69.9 | 69.9 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.3 | 70.3 | 70.3 | 70.3 |
| GE 12000 | 70.5 | 71.0 | 71.0 | 71.0 | 71.0 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.4 | 71.4 | 71.4 | 71.4 |
| GE 10000 | 74.1 | 74.6 | 74.6 | 74.6 | 74.6 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 75.0 | 75.0 | 75.0 | 75.0 |
| GE 9000 | 76.4 | 76.9 | 76.9 | 76.9 | 76.9 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.3 | 77.3 | 77.3 | 77.3 |
| GE 8000 | 81.2 | 81.8 | 81.8 | 81.8 | 81.8 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.2 | 82.2 | 82.2 | 82.2 |
| GE 7000 | 84.0 | 84.5 | 84.5 | 84.5 | 84.5 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.9 | 84.9 | 84.9 | 84.9 |
| GE 6000 | 85.9 | 86.5 | 86.5 | 86.5 | 86.5 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.9 | 86.9 | 86.9 | 86.9 |
| GE 5000 | 88.5 | 89.2 | 89.2 | 89.2 | 89.2 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.6 | 89.6 | 89.6 | 89.6 |
| GE 4500 | 90.3 | 90.9 | 90.9 | 90.9 | 90.9 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.4 | 91.4 | 91.4 | 91.4 |
| GE 4000 | 91.9 | 92.6 | 92.7 | 92.7 | 92.7 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 93.1 | 93.1 | 93.1 | 93.1 |
| GE 3500 | 92.9 | 93.7 | 93.8 | 93.8 | 93.8 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.2 | 94.2 | 94.2 | 94.2 |
| GE 3000 | 93.8 | 94.8 | 94.9 | 94.9 | 94.9 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 |
| GE 2500 | 94.0 | 95.1 | 95.2 | 95.2 | 95.2 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.6 | 95.6 | 95.6 | 95.6 |
| GE 2000 | 94.1 | 95.5 | 95.6 | 95.6 | 95.6 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 96.1 | 96.1 | 96.1 | 96.1 |
| GE 1800 | 94.1 | 95.5 | 95.6 | 95.6 | 95.6 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 96.1 | 96.1 | 96.1 | 96.1 |
| GE 1500 | 94.3 | 95.9 | 96.0 | 96.0 | 96.0 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1200 | 94.3 | 95.9 | 96.0 | 96.0 | 96.0 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1000 | 94.5 | 96.2 | 96.3 | 96.3 | 96.3 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.7 | 96.7 | 96.7 | 96.7 |
| GE 900 | 94.5 | 96.2 | 96.3 | 96.3 | 96.3 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.7 | 96.7 | 96.7 | 96.7 |
| GE 800 | 94.8 | 96.5 | 96.6 | 96.6 | 96.6 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 97.1 | 97.1 | 97.1 | 97.1 |
| GE 700 | 95.1 | 97.3 | 97.4 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.9 | 97.9 | 97.9 | 97.9 |
| GE 600 | 95.1 | 97.4 | 97.6 | 97.6 | 97.7 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.3 | 98.3 | 98.3 |
| GE 500 | 95.2 | 97.8 | 98.0 | 98.0 | 98.0 | 98.1 | 98.4 | 98.4 | 98.4 | 98.4 | 98.5 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 400 | 95.4 | 98.1 | 98.4 | 98.5 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 | 99.1 | 99.1 | 99.3 | 99.3 | 99.3 |
| GE 300 | 95.5 | 98.4 | 98.7 | 98.8 | 98.8 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 200 | 95.6 | 98.5 | 98.8 | 98.8 | 98.9 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 100.0 |
| GE 100 | 95.6 | 98.5 | 98.8 | 98.9 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 | 99.6 | 99.8 | 99.8 | 99.9 | 100.0 |
| GE 0 | 95.6 | 98.5 | 98.8 | 98.9 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 | 99.6 | 99.8 | 99.8 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 916

GLOBAL CLIMATOLOGY BRANCH
USAF/TAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
MONTH: MAY HOURS(LST): 0300-0500

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 54.2 | 54.6 | 54.9 | 55.3 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.7 | 55.7 | 55.8 | 55.8 | 55.8 | 56.0 |
| GE 20000 | 60.8 | 61.2 | 61.5 | 61.6 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.3 | 62.3 | 62.4 | 62.4 | 62.4 | 62.7 |
| GE 18000 | 60.9 | 61.3 | 61.6 | 61.8 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.4 | 62.4 | 62.5 | 62.5 | 62.5 | 62.8 |
| GE 16000 | 61.0 | 61.4 | 61.8 | 61.9 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.5 | 62.5 | 62.6 | 62.6 | 62.6 | 62.9 |
| GE 14000 | 62.0 | 62.4 | 62.7 | 62.8 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.5 | 63.5 | 63.6 | 63.6 | 63.6 | 63.9 |
| GE 12000 | 65.2 | 65.7 | 66.0 | 66.1 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 67.0 | 67.0 | 67.1 | 67.1 | 67.1 | 67.4 |
| GE 10000 | 69.6 | 70.0 | 70.3 | 70.4 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.2 | 71.5 | 71.5 | 71.6 | 71.6 | 71.9 |
| GE 9000 | 70.6 | 71.1 | 71.4 | 71.5 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.3 | 72.6 | 72.6 | 72.7 | 72.7 | 73.0 |
| GE 8000 | 75.6 | 76.2 | 76.5 | 76.6 | 77.4 | 77.4 | 77.5 | 77.6 | 77.6 | 77.7 | 78.0 | 78.0 | 78.1 | 78.1 | 78.1 | 78.4 |
| GE 7000 | 80.0 | 80.5 | 80.8 | 80.9 | 81.7 | 81.7 | 81.8 | 81.9 | 81.9 | 81.9 | 82.0 | 82.3 | 82.3 | 82.4 | 82.4 | 82.8 |
| GE 6000 | 81.4 | 82.0 | 82.3 | 82.4 | 83.2 | 83.2 | 83.3 | 83.4 | 83.4 | 83.5 | 83.9 | 83.9 | 84.0 | 84.0 | 84.0 | 84.3 |
| GE 5000 | 83.7 | 84.4 | 84.7 | 84.8 | 85.6 | 85.6 | 85.7 | 85.8 | 85.8 | 85.9 | 86.2 | 86.2 | 86.3 | 86.3 | 86.3 | 86.7 |
| GE 4500 | 84.9 | 85.8 | 86.1 | 86.2 | 87.0 | 87.0 | 87.1 | 87.2 | 87.2 | 87.3 | 87.6 | 87.6 | 87.8 | 87.8 | 87.8 | 88.1 |
| GE 4000 | 85.3 | 86.2 | 86.6 | 86.7 | 87.4 | 87.4 | 87.5 | 87.6 | 87.6 | 87.8 | 88.1 | 88.1 | 88.2 | 88.2 | 88.2 | 88.5 |
| GE 3500 | 86.5 | 87.6 | 88.0 | 88.1 | 88.8 | 88.8 | 88.9 | 89.1 | 89.1 | 89.2 | 89.5 | 89.5 | 89.6 | 89.6 | 89.6 | 89.9 |
| GE 3000 | 87.0 | 88.2 | 88.6 | 88.7 | 89.5 | 89.5 | 89.6 | 89.7 | 89.7 | 89.8 | 90.1 | 90.1 | 90.2 | 90.2 | 90.2 | 90.6 |
| GE 2500 | 87.9 | 89.4 | 89.8 | 89.9 | 90.7 | 90.7 | 90.8 | 90.9 | 90.9 | 91.0 | 91.3 | 91.3 | 91.4 | 91.4 | 91.4 | 91.8 |
| GE 2000 | 88.5 | 90.1 | 90.6 | 90.7 | 91.4 | 91.4 | 91.5 | 91.7 | 91.7 | 91.8 | 92.1 | 92.1 | 92.2 | 92.2 | 92.2 | 92.5 |
| GE 1800 | 88.6 | 90.2 | 90.7 | 90.8 | 91.5 | 91.5 | 91.7 | 91.8 | 91.8 | 91.9 | 92.2 | 92.2 | 92.3 | 92.3 | 92.3 | 92.6 |
| GE 1500 | 89.3 | 91.2 | 91.7 | 91.8 | 92.5 | 92.5 | 92.6 | 92.7 | 92.7 | 92.8 | 93.2 | 93.2 | 93.3 | 93.3 | 93.3 | 93.6 |
| GE 1200 | 89.7 | 92.1 | 92.5 | 92.6 | 93.4 | 93.4 | 93.5 | 93.6 | 93.7 | 93.8 | 94.1 | 94.1 | 94.3 | 94.3 | 94.3 | 94.6 |
| GE 1000 | 90.2 | 92.6 | 93.1 | 93.2 | 93.9 | 94.0 | 94.4 | 94.5 | 94.5 | 94.6 | 94.9 | 94.9 | 95.0 | 95.0 | 95.0 | 95.3 |
| GE 900 | 90.4 | 92.8 | 93.3 | 93.4 | 94.1 | 94.3 | 94.6 | 94.7 | 94.8 | 95.1 | 95.1 | 95.1 | 95.2 | 95.2 | 95.2 | 95.6 |
| GE 800 | 90.7 | 93.4 | 93.8 | 93.9 | 94.7 | 94.8 | 95.1 | 95.2 | 95.2 | 95.3 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 96.1 |
| GE 700 | 90.8 | 93.7 | 94.1 | 94.3 | 95.0 | 95.1 | 95.4 | 95.6 | 95.6 | 95.8 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.5 |
| GE 600 | 90.9 | 94.4 | 94.8 | 94.9 | 95.9 | 96.0 | 96.3 | 96.4 | 96.4 | 96.6 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.4 |
| GE 500 | 91.0 | 94.6 | 95.0 | 95.1 | 96.2 | 96.3 | 96.6 | 96.7 | 96.7 | 97.0 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.7 |
| GE 400 | 91.2 | 94.8 | 95.2 | 95.3 | 96.5 | 96.6 | 97.0 | 97.1 | 97.1 | 97.4 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 98.2 |
| GE 300 | 91.3 | 94.9 | 95.6 | 95.7 | 96.9 | 97.0 | 97.3 | 97.4 | 97.4 | 97.8 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.6 |
| GE 200 | 91.3 | 95.0 | 95.7 | 95.9 | 97.1 | 97.2 | 97.5 | 97.6 | 97.6 | 98.0 | 98.4 | 98.4 | 98.6 | 98.6 | 98.6 | 98.9 |
| GE 100 | 91.3 | 95.0 | 95.7 | 95.9 | 97.1 | 97.2 | 97.5 | 97.6 | 97.6 | 98.0 | 98.4 | 98.4 | 98.6 | 98.6 | 98.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 923

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: MAY HOURS(IST): 0600-0800

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | 52.8 | 53.4 | 53.5 | 53.8 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.1 | |
| GE 20000 | 61.6 | 62.5 | 62.6 | 62.8 | 63.0 | 63.0 | 63.2 | 63.2 | 63.2 | 63.2 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.4 | |
| GE 18000 | 61.8 | 62.7 | 62.8 | 63.0 | 63.2 | 63.2 | 63.4 | 63.4 | 63.4 | 63.4 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.7 | |
| GE 16000 | 61.9 | 62.8 | 62.9 | 63.1 | 63.3 | 63.3 | 63.5 | 63.5 | 63.5 | 63.5 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.8 | |
| GE 14000 | 62.9 | 63.8 | 63.9 | 64.1 | 64.3 | 64.3 | 64.5 | 64.5 | 64.5 | 64.5 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.7 | |
| GE 12000 | 66.1 | 67.1 | 67.2 | 67.5 | 67.7 | 67.7 | 68.0 | 68.0 | 68.0 | 68.0 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.2 | |
| GE 10000 | 70.4 | 71.6 | 71.7 | 72.3 | 72.5 | 72.5 | 72.7 | 72.7 | 72.7 | 72.7 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 73.0 | |
| GE 9000 | 72.0 | 73.2 | 73.3 | 73.9 | 74.1 | 74.1 | 74.3 | 74.3 | 74.3 | 74.3 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.6 | |
| GE 8000 | 75.1 | 76.3 | 76.5 | 77.0 | 77.2 | 77.2 | 77.4 | 77.5 | 77.5 | 77.7 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.1 | |
| GE 7000 | 78.2 | 79.8 | 79.9 | 80.4 | 80.6 | 80.6 | 80.9 | 81.0 | 81.0 | 81.2 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.5 | |
| GE 6000 | 79.5 | 81.2 | 81.3 | 81.8 | 82.0 | 82.0 | 82.3 | 82.4 | 82.4 | 82.7 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 83.0 | |
| GE 5000 | 82.3 | 84.3 | 84.4 | 84.9 | 85.2 | 85.2 | 85.4 | 85.5 | 85.5 | 85.8 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.1 | |
| GE 4500 | 83.3 | 85.6 | 85.7 | 86.2 | 86.5 | 86.5 | 86.7 | 86.8 | 86.8 | 87.1 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.4 | |
| GE 4000 | 84.4 | 87.1 | 87.3 | 87.8 | 88.1 | 88.1 | 88.3 | 88.4 | 88.4 | 88.7 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 89.0 | |
| GE 3500 | 85.1 | 87.7 | 88.0 | 88.5 | 88.7 | 88.7 | 88.9 | 89.0 | 89.0 | 89.4 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.7 | |
| GE 3000 | 85.7 | 88.7 | 88.9 | 89.5 | 89.8 | 89.8 | 90.0 | 90.1 | 90.1 | 90.4 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.8 | |
| GE 2500 | 86.0 | 89.5 | 89.7 | 90.2 | 90.5 | 90.5 | 90.8 | 90.9 | 90.9 | 91.2 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.5 | |
| GE 2000 | 86.3 | 90.0 | 90.2 | 90.8 | 91.2 | 91.2 | 91.4 | 91.5 | 91.5 | 91.8 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.2 | |
| GE 1800 | 86.3 | 90.1 | 90.3 | 90.9 | 91.3 | 91.3 | 91.5 | 91.6 | 91.6 | 91.9 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.3 | |
| GE 1500 | 86.6 | 90.6 | 91.0 | 91.5 | 91.9 | 91.9 | 92.2 | 92.3 | 92.3 | 92.6 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 93.0 | |
| GE 1200 | 87.3 | 91.5 | 91.8 | 92.4 | 92.8 | 92.8 | 93.0 | 93.1 | 93.1 | 93.4 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.9 | |
| GE 1000 | 87.8 | 92.5 | 92.9 | 93.4 | 93.9 | 93.9 | 94.1 | 94.2 | 94.2 | 94.5 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 95.1 | |
| GE 900 | 88.2 | 92.8 | 93.2 | 93.8 | 94.2 | 94.2 | 94.4 | 94.5 | 94.5 | 94.8 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.4 | |
| GE 800 | 88.3 | 93.1 | 93.5 | 94.1 | 94.5 | 94.5 | 94.7 | 94.8 | 94.8 | 95.2 | 95.5 | 95.6 | 95.6 | 95.6 | 95.6 | 95.7 | |
| GE 700 | 88.4 | 93.4 | 93.9 | 94.6 | 95.1 | 95.1 | 95.3 | 95.4 | 95.4 | 95.7 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.2 | |
| GE 600 | 88.7 | 94.0 | 94.5 | 95.3 | 95.9 | 95.9 | 96.1 | 96.2 | 96.2 | 96.6 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.1 | |
| GE 500 | 88.7 | 94.2 | 94.8 | 95.9 | 96.9 | 96.9 | 97.1 | 97.2 | 97.2 | 97.5 | 97.8 | 98.0 | 98.0 | 98.0 | 98.0 | 98.1 | |
| GE 400 | 88.7 | 94.4 | 95.1 | 96.1 | 97.1 | 97.2 | 97.7 | 98.2 | 98.2 | 98.6 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | |
| GE 300 | 88.7 | 94.4 | 95.1 | 96.2 | 97.3 | 97.4 | 98.0 | 98.4 | 98.4 | 98.8 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.6 | |
| GE 200 | 88.7 | 94.4 | 95.1 | 96.2 | 97.3 | 97.4 | 98.0 | 98.4 | 98.4 | 98.8 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.7 | |
| GE 100 | 88.7 | 94.4 | 95.1 | 96.2 | 97.3 | 97.4 | 98.0 | 98.4 | 98.4 | 98.8 | 99.1 | 99.2 | 99.2 | 99.2 | 99.5 | 100.0 | |
| GE 0 | 88.7 | 94.4 | 95.1 | 96.2 | 97.3 | 97.4 | 98.0 | 98.4 | 98.4 | 98.8 | 99.1 | 99.2 | 99.2 | 99.2 | 99.5 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | 47.7 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | |
| GE 20000 | 58.9 | 59.5 | 59.6 | 59.5 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | |
| GE 18000 | 59.1 | 59.7 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | |
| GE 16000 | 59.2 | 59.8 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | |
| GE 14000 | 59.9 | 60.4 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | |
| GE 12000 | 61.7 | 62.3 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | |
| GE 10000 | 65.9 | 66.8 | 66.9 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | |
| GE 9000 | 67.1 | 68.0 | 68.1 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | |
| GE 8000 | 69.4 | 70.2 | 70.3 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.8 | 70.8 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | |
| GE 7000 | 71.3 | 72.5 | 72.6 | 72.9 | 72.9 | 72.9 | 72.9 | 73.0 | 73.0 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | |
| GE 6000 | 72.3 | 73.5 | 73.7 | 74.3 | 74.0 | 74.0 | 74.0 | 74.1 | 74.1 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | |
| GE 5000 | 74.8 | 76.2 | 76.3 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.8 | 76.8 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | |
| GE 4500 | 75.5 | 77.1 | 77.2 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.6 | 77.6 | 77.8 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | |
| GE 4000 | 78.7 | 81.0 | 81.1 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.5 | 81.5 | 81.7 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | |
| GE 3500 | 81.4 | 83.8 | 83.9 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.3 | 84.3 | 84.5 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | |
| GE 3000 | 84.6 | 87.5 | 87.6 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.2 | 88.2 | 88.4 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | |
| GE 2500 | 86.0 | 89.4 | 89.5 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 90.0 | 90.0 | 90.2 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | |
| GE 2000 | 86.8 | 90.2 | 90.4 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 91.0 | 91.0 | 91.2 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | |
| GE 1800 | 87.0 | 90.4 | 90.6 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.3 | 91.3 | 91.5 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | |
| GE 1500 | 88.1 | 91.8 | 92.0 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.7 | 92.7 | 92.9 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | |
| GE 1200 | 90.1 | 94.6 | 94.8 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.5 | 95.5 | 95.7 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | |
| GE 1000 | 91.3 | 95.9 | 96.1 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.8 | 96.8 | 97.0 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | |
| GE 900 | 91.6 | 96.2 | 96.5 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.4 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | |
| GE 800 | 91.8 | 96.5 | 96.7 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.4 | 97.4 | 97.6 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | |
| GE 700 | 91.8 | 96.6 | 96.8 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.5 | 97.5 | 97.7 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | |
| GE 600 | 91.9 | 96.8 | 97.0 | 97.5 | 97.7 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 98.1 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | |
| GE 500 | 91.9 | 96.8 | 97.2 | 97.8 | 98.3 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 | 98.6 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | |
| GE 400 | 91.9 | 97.1 | 97.5 | 98.3 | 98.7 | 98.8 | 98.8 | 98.8 | 99.1 | 99.1 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | |
| GE 300 | 91.9 | 97.1 | 97.5 | 98.4 | 98.8 | 98.9 | 98.9 | 98.9 | 99.2 | 99.2 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| GE 200 | 91.9 | 97.1 | 97.5 | 98.4 | 98.8 | 98.9 | 98.9 | 98.9 | 99.2 | 99.2 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | |
| GE 100 | 91.9 | 97.1 | 97.5 | 98.4 | 98.8 | 98.9 | 98.9 | 98.9 | 99.2 | 99.2 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | |
| GE 0 | 91.9 | 97.1 | 97.5 | 98.4 | 98.8 | 98.9 | 98.9 | 98.9 | 99.2 | 99.2 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: MAY HOURS(UT): 1200-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 35.6 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| GE 20000 | 46.9 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 |
| GE 18000 | 48.0 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 |
| GE 16000 | 48.0 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 |
| GE 14000 | 48.7 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 |
| GE 12000 | 51.1 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 |
| GE 10000 | 54.4 | 54.7 | 54.7 | 54.8 | 55.0 | 55.0 | 55.0 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.2 |
| GE 9000 | 55.0 | 55.3 | 55.3 | 55.4 | 55.7 | 55.7 | 55.7 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.9 |
| GE 8000 | 56.6 | 56.9 | 56.9 | 57.1 | 57.3 | 57.3 | 57.3 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.5 |
| GE 7000 | 60.1 | 60.5 | 60.5 | 60.6 | 60.8 | 60.8 | 60.8 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 61.0 |
| GE 6000 | 62.2 | 62.9 | 62.9 | 63.3 | 63.2 | 63.2 | 63.2 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.4 |
| GE 5000 | 68.8 | 69.8 | 69.8 | 69.9 | 70.1 | 70.1 | 70.1 | 70.2 | 70.2 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.4 |
| GE 4500 | 72.3 | 73.5 | 73.5 | 73.6 | 73.8 | 73.8 | 73.8 | 74.0 | 74.0 | 74.1 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.3 |
| GE 4000 | 78.9 | 80.6 | 80.6 | 80.7 | 80.9 | 80.9 | 80.9 | 81.1 | 81.1 | 81.2 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.4 |
| GE 3500 | 84.7 | 86.7 | 86.7 | 86.8 | 87.0 | 87.0 | 87.0 | 87.1 | 87.1 | 87.2 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.4 |
| GE 3000 | 89.9 | 92.0 | 92.0 | 92.1 | 92.4 | 92.4 | 92.4 | 92.5 | 92.5 | 92.6 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.8 |
| GE 2500 | 91.3 | 93.9 | 94.0 | 94.1 | 94.3 | 94.3 | 94.3 | 94.4 | 94.4 | 94.5 | 94.6 | 94.6 | 94.7 | 94.7 | 94.7 | 94.8 |
| GE 2000 | 92.7 | 95.3 | 95.4 | 95.5 | 95.7 | 95.7 | 95.7 | 95.8 | 95.8 | 95.9 | 96.0 | 96.0 | 96.2 | 96.2 | 96.2 | 96.3 |
| GE 1800 | 92.9 | 95.5 | 95.6 | 95.7 | 95.9 | 95.9 | 95.9 | 96.0 | 96.0 | 96.1 | 96.2 | 96.2 | 96.4 | 96.4 | 96.4 | 96.6 |
| GE 1500 | 94.0 | 96.7 | 96.8 | 96.9 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.3 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 97.7 |
| GE 1200 | 94.5 | 97.4 | 97.5 | 97.6 | 97.8 | 97.8 | 97.8 | 98.0 | 98.0 | 98.1 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.5 |
| GE 1000 | 94.9 | 98.0 | 98.1 | 98.2 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.6 | 98.7 | 98.7 | 98.9 | 98.9 | 98.9 | 99.0 |
| GE 900 | 95.2 | 98.2 | 98.3 | 98.4 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.8 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.2 |
| GE 800 | 95.3 | 98.4 | 98.5 | 98.6 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.1 | 99.2 | 99.2 | 99.5 | 99.5 | 99.5 | 99.6 |
| GE 700 | 95.3 | 98.4 | 98.5 | 98.7 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.2 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 |
| GE 600 | 95.3 | 98.4 | 98.5 | 98.7 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.2 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 |
| GE 500 | 95.3 | 98.4 | 98.7 | 98.9 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 400 | 95.3 | 98.4 | 98.7 | 98.9 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 300 | 95.3 | 98.4 | 98.7 | 98.9 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 200 | 95.3 | 98.4 | 98.7 | 98.9 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 100 | 95.3 | 98.4 | 98.7 | 98.9 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 0 | 95.3 | 98.4 | 98.7 | 98.9 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHFR SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
MONTH: MAY HOURS(LST): 1500-1700

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 40.0 | 40.1 | 40.1 | 40.2 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 |
| GE 20000 | 53.0 | 53.3 | 53.3 | 53.4 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 |
| GE 18000 | 54.1 | 54.4 | 54.4 | 54.5 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 |
| GE 16000 | 54.2 | 54.5 | 54.5 | 54.6 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 |
| GE 14000 | 55.6 | 55.9 | 55.9 | 56.0 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| GE 12000 | 57.5 | 57.9 | 58.1 | 58.2 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 |
| GE 10000 | 61.3 | 61.6 | 61.9 | 62.0 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 |
| GE 9000 | 63.7 | 64.0 | 64.2 | 64.3 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 |
| GE 8000 | 65.7 | 66.2 | 66.4 | 66.6 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 |
| GE 7000 | 68.6 | 69.1 | 69.3 | 69.5 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 |
| GE 6000 | 72.1 | 72.5 | 72.7 | 73.0 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.4 | 73.4 | 73.4 |
| GE 5000 | 79.3 | 79.7 | 80.1 | 80.3 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.8 | 80.8 | 80.8 | 80.8 |
| GE 4500 | 81.9 | 82.4 | 82.9 | 83.1 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.6 | 83.6 | 83.6 | 83.6 |
| GE 4000 | 86.6 | 87.8 | 88.3 | 88.6 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 89.1 | 89.1 | 89.1 | 89.1 |
| GE 3500 | 89.8 | 91.2 | 91.6 | 91.9 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.5 | 92.5 | 92.5 | 92.5 |
| GE 3000 | 93.1 | 94.7 | 95.2 | 95.5 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 96.0 | 96.0 | 96.0 | 96.0 |
| GE 2500 | 94.2 | 95.9 | 96.3 | 96.7 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 2000 | 95.0 | 96.9 | 97.3 | 97.6 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 1800 | 95.3 | 97.1 | 97.6 | 98.0 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 1500 | 95.4 | 97.2 | 97.8 | 98.2 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 1200 | 95.9 | 97.8 | 98.5 | 98.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.5 | 99.5 | 99.6 | 99.6 |
| GE 1000 | 95.9 | 97.8 | 98.5 | 98.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.5 | 99.5 | 99.6 | 99.6 |
| GE 900 | 95.9 | 97.8 | 98.5 | 98.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.5 | 99.5 | 99.6 | 99.6 |
| GE 800 | 95.9 | 97.8 | 98.5 | 98.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.6 | 99.6 | 99.7 | 99.7 |
| GE 700 | 95.9 | 97.8 | 98.5 | 98.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.6 | 99.6 | 99.7 | 99.7 |
| GE 600 | 95.9 | 97.8 | 98.5 | 98.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.8 | 99.8 | 99.9 | 99.9 |
| GE 500 | 95.9 | 97.8 | 98.5 | 98.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.8 | 99.8 | 99.9 | 99.9 |
| GE 400 | 95.9 | 97.8 | 98.5 | 98.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.8 | 99.8 | 99.9 | 99.9 |
| GE 300 | 95.9 | 97.8 | 98.5 | 98.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.8 | 99.8 | 99.9 | 99.9 |
| GE 200 | 95.9 | 97.8 | 98.5 | 98.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.8 | 99.8 | 99.9 | 99.9 |
| GE 100 | 95.9 | 97.8 | 98.5 | 98.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.8 | 99.8 | 99.9 | 100.0 |
| GE 0 | 95.9 | 97.8 | 98.5 | 98.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.8 | 99.8 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
MONTH: MAY HOURS/STATION: 1800-2000

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|-------|-------|-------|-------|
| | 1 10 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 0 |
| NO CEIL | 50.1 | 50.4 | 50.4 | 50.7 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 |
| GE 20000 | 61.7 | 62.4 | 62.5 | 62.7 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 |
| GE 18000 | 62.6 | 63.4 | 63.5 | 63.7 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 |
| GE 16000 | 63.3 | 64.1 | 64.2 | 64.4 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 |
| GE 14000 | 64.7 | 65.5 | 65.6 | 65.8 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 |
| GE 12000 | 67.3 | 68.4 | 68.5 | 68.7 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 |
| GE 10000 | 73.7 | 75.1 | 75.2 | 75.4 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 |
| GE 9000 | 75.4 | 76.7 | 76.8 | 77.0 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 |
| GE 8000 | 79.2 | 80.5 | 80.6 | 80.8 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 |
| GE 7000 | 82.7 | 84.0 | 84.1 | 84.3 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 |
| GE 6000 | 83.8 | 85.1 | 85.2 | 85.4 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 |
| GE 5000 | 87.7 | 89.3 | 89.4 | 89.8 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| GE 4500 | 89.1 | 90.7 | 90.8 | 91.2 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| GE 4000 | 91.1 | 92.9 | 93.0 | 93.4 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| GE 3500 | 91.9 | 94.1 | 94.2 | 94.6 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| GE 3000 | 93.4 | 95.6 | 95.8 | 96.1 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 2500 | 94.0 | 96.5 | 96.7 | 97.1 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 2000 | 94.1 | 96.7 | 96.9 | 97.3 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 1800 | 94.1 | 96.7 | 96.9 | 97.3 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 1500 | 94.3 | 96.9 | 97.3 | 97.6 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| GE 1200 | 94.3 | 97.2 | 97.5 | 97.8 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 1000 | 94.7 | 97.6 | 97.9 | 98.3 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 900 | 94.7 | 97.6 | 97.9 | 98.3 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 800 | 94.8 | 97.7 | 98.1 | 98.5 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 700 | 94.8 | 97.8 | 98.3 | 98.7 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 600 | 94.8 | 97.8 | 98.3 | 98.7 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 500 | 95.0 | 98.0 | 98.5 | 98.9 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 400 | 95.0 | 98.0 | 98.5 | 98.9 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 300 | 95.0 | 98.0 | 98.5 | 98.9 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| GE 200 | 95.0 | 98.0 | 98.5 | 98.9 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.6 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 95.0 | 98.0 | 98.5 | 98.9 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.6 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 95.0 | 98.0 | 98.5 | 98.9 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.6 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 918

GLOBAL CLIMATOLOGY BRANCH
 USAFLTAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 76-85
 MONTH: MAY HOURS(LOCAL): 2100-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 59.6 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 |
| GE 20000 | 67.7 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 |
| GE 18000 | 68.2 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 |
| GE 16000 | 68.2 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 |
| GE 14000 | 69.5 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| GE 12000 | 71.5 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 |
| GE 10000 | 76.2 | 77.4 | 77.4 | 77.4 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| GE 9000 | 78.3 | 79.5 | 79.5 | 79.5 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 |
| GE 8000 | 82.5 | 83.8 | 83.8 | 83.8 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| GE 7000 | 85.4 | 86.6 | 86.6 | 86.6 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 |
| GE 6000 | 87.5 | 88.8 | 88.8 | 88.8 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| GE 5000 | 90.2 | 91.8 | 91.8 | 91.8 | 91.9 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 |
| GE 4500 | 92.0 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| GE 4000 | 93.0 | 94.7 | 94.7 | 94.7 | 94.8 | 94.8 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| GE 3500 | 94.0 | 95.8 | 95.9 | 95.9 | 96.0 | 96.0 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| GE 3000 | 94.4 | 96.3 | 96.4 | 96.4 | 96.5 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| GE 2500 | 94.8 | 96.7 | 97.0 | 97.0 | 97.1 | 97.1 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 2000 | 95.2 | 97.1 | 97.5 | 97.5 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 1800 | 95.2 | 97.1 | 97.5 | 97.5 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 1500 | 95.2 | 97.1 | 97.5 | 97.5 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| GE 1200 | 95.3 | 97.3 | 97.7 | 97.7 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 1000 | 95.6 | 97.6 | 98.0 | 98.0 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 900 | 95.6 | 97.6 | 98.0 | 98.0 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 800 | 95.6 | 97.6 | 98.1 | 98.1 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 700 | 95.9 | 97.9 | 98.7 | 98.7 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 600 | 96.0 | 98.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 500 | 96.0 | 98.2 | 99.1 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 400 | 96.0 | 98.2 | 99.1 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 300 | 96.0 | 98.2 | 99.1 | 99.1 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 96.0 | 98.2 | 99.1 | 99.1 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 96.0 | 98.2 | 99.1 | 99.1 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 96.0 | 98.2 | 99.1 | 99.1 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 911

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE J | |
| NO CEIL | 50.4 | 50.8 | 50.8 | 50.9 | 51.0 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.2 | |
| GE 20000 | 59.9 | 60.4 | 60.5 | 60.6 | 60.7 | 60.7 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.9 | |
| GE 18000 | 60.4 | 60.9 | 61.0 | 61.1 | 61.2 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.4 | 61.4 | 61.4 | 61.4 | |
| GE 16000 | 60.6 | 61.1 | 61.2 | 61.2 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.6 | |
| GE 14000 | 61.5 | 62.0 | 62.1 | 62.2 | 62.3 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.5 | 62.5 | 62.5 | 62.5 | |
| GE 12000 | 63.8 | 64.4 | 64.5 | 64.6 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 65.0 | |
| GE 10000 | 68.2 | 68.9 | 69.0 | 69.2 | 69.4 | 69.4 | 69.5 | 69.5 | 69.5 | 69.5 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.7 | |
| GE 9000 | 69.8 | 70.5 | 70.6 | 70.8 | 71.0 | 71.0 | 71.1 | 71.1 | 71.1 | 71.1 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.3 | |
| GE 8000 | 73.1 | 73.9 | 74.0 | 74.2 | 74.5 | 74.5 | 74.5 | 74.6 | 74.6 | 74.7 | 74.7 | 74.7 | 74.8 | 74.8 | 74.8 | 74.8 | |
| GE 7000 | 76.2 | 77.1 | 77.2 | 77.4 | 77.7 | 77.7 | 77.7 | 77.8 | 77.8 | 77.8 | 77.9 | 77.9 | 78.0 | 78.0 | 78.0 | 78.1 | |
| GE 6000 | 78.0 | 79.0 | 79.1 | 79.3 | 79.5 | 79.6 | 79.6 | 79.7 | 79.7 | 79.7 | 79.8 | 79.8 | 79.9 | 79.9 | 79.9 | 79.9 | |
| GE 5000 | 81.9 | 83.0 | 83.2 | 83.4 | 83.6 | 83.6 | 83.7 | 83.7 | 83.7 | 83.8 | 83.9 | 83.9 | 84.0 | 84.0 | 84.0 | 84.0 | |
| GE 4500 | 83.6 | 84.9 | 85.1 | 85.3 | 85.5 | 85.5 | 85.6 | 85.6 | 85.6 | 85.7 | 85.8 | 85.8 | 85.9 | 85.9 | 85.9 | 86.0 | |
| GE 4000 | 86.2 | 87.8 | 88.0 | 88.2 | 88.4 | 88.5 | 88.5 | 88.6 | 88.6 | 88.7 | 88.8 | 88.8 | 88.9 | 88.9 | 88.9 | 89.0 | |
| GE 3500 | 88.2 | 90.0 | 90.2 | 90.4 | 90.7 | 90.7 | 90.8 | 90.8 | 90.8 | 90.9 | 91.0 | 91.0 | 91.1 | 91.1 | 91.1 | 91.2 | |
| GE 3000 | 90.2 | 92.2 | 92.4 | 92.6 | 92.9 | 92.9 | 93.0 | 93.0 | 93.0 | 93.1 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.4 | |
| GE 2500 | 91.0 | 93.3 | 93.5 | 93.7 | 94.0 | 94.0 | 94.1 | 94.1 | 94.1 | 94.2 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.5 | |
| GE 2000 | 91.6 | 94.0 | 94.2 | 94.5 | 94.7 | 94.8 | 94.8 | 94.9 | 94.9 | 95.0 | 95.1 | 95.1 | 95.2 | 95.2 | 95.2 | 95.3 | |
| GE 1800 | 91.7 | 94.1 | 94.4 | 94.6 | 94.9 | 94.9 | 94.9 | 95.0 | 95.0 | 95.1 | 95.2 | 95.2 | 95.3 | 95.3 | 95.3 | 95.4 | |
| GE 1500 | 92.1 | 94.7 | 95.0 | 95.2 | 95.5 | 95.5 | 95.6 | 95.7 | 95.7 | 95.7 | 95.9 | 95.9 | 96.0 | 96.0 | 96.0 | 96.1 | |
| GE 1200 | 92.7 | 95.5 | 95.8 | 96.0 | 96.3 | 96.3 | 96.4 | 96.5 | 96.5 | 96.5 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.9 | |
| GE 1000 | 93.1 | 96.0 | 96.4 | 96.6 | 96.9 | 96.9 | 97.0 | 97.1 | 97.1 | 97.2 | 97.3 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | |
| GE 900 | 93.2 | 96.2 | 96.5 | 96.7 | 97.0 | 97.1 | 97.2 | 97.2 | 97.2 | 97.3 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.7 | |
| GE 800 | 93.4 | 96.4 | 96.7 | 97.0 | 97.3 | 97.3 | 97.4 | 97.5 | 97.5 | 97.6 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 98.0 | |
| GE 700 | 93.5 | 96.6 | 97.0 | 97.3 | 97.6 | 97.6 | 97.7 | 97.8 | 97.8 | 97.9 | 98.1 | 98.1 | 98.2 | 98.2 | 98.3 | 98.3 | |
| GE 600 | 93.6 | 96.8 | 97.3 | 97.6 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.3 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.7 | |
| GE 500 | 93.6 | 97.0 | 97.5 | 97.8 | 98.3 | 98.3 | 98.4 | 98.5 | 98.5 | 98.6 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | |
| GE 400 | 93.7 | 97.1 | 97.6 | 98.0 | 98.5 | 98.6 | 98.7 | 98.8 | 98.8 | 99.0 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.5 | |
| GE 300 | 93.7 | 97.2 | 97.7 | 98.1 | 98.6 | 98.7 | 98.8 | 99.0 | 99.0 | 99.1 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | |
| GE 200 | 93.7 | 97.2 | 97.7 | 98.1 | 98.7 | 98.7 | 98.9 | 99.0 | 99.0 | 99.2 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 99.9 | |
| GE 100 | 93.7 | 97.2 | 97.7 | 98.1 | 98.7 | 98.7 | 98.9 | 99.0 | 99.0 | 99.2 | 99.4 | 99.5 | 99.7 | 99.7 | 99.8 | 100.0 | |
| GE 0 | 93.7 | 97.2 | 97.7 | 98.1 | 98.7 | 98.7 | 98.9 | 99.0 | 99.0 | 99.2 | 99.4 | 99.5 | 99.7 | 99.7 | 99.8 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 7385

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 68.1 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 |
| GE 20000 | 72.3 | 72.5 | 72.5 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| GE 18000 | 73.1 | 73.3 | 73.3 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 |
| GE 16000 | 73.1 | 73.3 | 73.3 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 |
| GE 14000 | 73.7 | 73.9 | 73.9 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| GE 12000 | 76.2 | 76.4 | 76.4 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| GE 10000 | 82.6 | 82.9 | 82.9 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| GE 9000 | 84.6 | 84.9 | 84.9 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| GE 8000 | 88.1 | 88.3 | 88.3 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 |
| GE 7000 | 91.0 | 91.2 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| GE 6000 | 91.5 | 91.8 | 91.8 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| GE 5000 | 92.1 | 92.4 | 92.4 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| GE 4500 | 93.6 | 93.8 | 93.8 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| GE 4000 | 94.9 | 95.1 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| GE 3500 | 95.5 | 95.7 | 95.7 | 95.8 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| GE 3000 | 96.4 | 96.7 | 96.7 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| GE 2500 | 96.7 | 96.9 | 96.9 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 2000 | 96.9 | 97.3 | 97.3 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 1800 | 96.9 | 97.3 | 97.3 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 1500 | 97.0 | 97.4 | 97.4 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 1200 | 97.0 | 97.4 | 97.4 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 1000 | 97.1 | 97.5 | 97.6 | 97.7 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 900 | 97.1 | 97.5 | 97.6 | 97.7 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 800 | 97.3 | 98.0 | 98.1 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 700 | 97.3 | 98.3 | 98.5 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 600 | 97.5 | 98.6 | 98.7 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 500 | 97.7 | 99.0 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 400 | 97.7 | 99.0 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 300 | 97.7 | 99.0 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 200 | 97.7 | 99.0 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 100 | 97.7 | 99.0 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 0 | 97.7 | 99.0 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |

TOTAL NUMBER OF OBSERVATIONS: 840

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | 60.5 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.6 | |
| GE 20000 | 66.4 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.5 | |
| GE 18000 | 66.7 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.8 | |
| GE 16000 | 67.0 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 68.2 | |
| GE 14000 | 67.9 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 69.1 | |
| GE 12000 | 69.9 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 71.0 | |
| GE 10000 | 76.1 | 76.8 | 76.9 | 76.9 | 76.9 | 76.9 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.4 | |
| GE 9000 | 78.4 | 79.1 | 79.2 | 79.2 | 79.2 | 79.2 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.7 | |
| GE 8000 | 85.6 | 86.4 | 86.7 | 86.7 | 86.7 | 86.7 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 87.1 | |
| GE 7000 | 88.4 | 89.2 | 89.4 | 89.4 | 89.4 | 89.4 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.9 | |
| GE 6000 | 89.0 | 90.0 | 90.2 | 90.2 | 90.2 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.8 | |
| GE 5000 | 89.9 | 91.0 | 91.3 | 91.3 | 91.3 | 91.3 | 91.4 | 91.4 | 91.4 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.8 | |
| GE 4500 | 90.7 | 92.0 | 92.2 | 92.2 | 92.2 | 92.2 | 92.3 | 92.3 | 92.3 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.8 | |
| GE 4000 | 91.0 | 92.4 | 92.8 | 92.8 | 92.8 | 92.8 | 92.9 | 92.9 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.5 | |
| GE 3500 | 91.6 | 93.1 | 93.4 | 93.5 | 93.7 | 93.7 | 93.8 | 93.8 | 93.8 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 94.3 | |
| GE 3000 | 92.0 | 93.6 | 93.9 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.7 | |
| GE 2500 | 92.2 | 93.9 | 94.4 | 94.5 | 94.6 | 94.6 | 94.7 | 94.7 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 95.2 | |
| GE 2000 | 92.2 | 94.3 | 94.7 | 94.8 | 94.9 | 94.9 | 95.1 | 95.1 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.5 | |
| GE 1800 | 92.3 | 94.4 | 94.8 | 94.9 | 95.1 | 95.1 | 95.2 | 95.2 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.6 | |
| GE 1500 | 92.8 | 94.8 | 95.3 | 95.4 | 95.5 | 95.5 | 95.6 | 95.6 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 96.1 | |
| GE 1200 | 93.1 | 95.3 | 95.7 | 95.9 | 96.0 | 96.0 | 96.1 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.6 | |
| GE 1000 | 93.7 | 96.1 | 96.6 | 96.7 | 96.8 | 96.8 | 96.9 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.4 | |
| GE 900 | 93.7 | 96.1 | 96.6 | 96.7 | 96.8 | 96.8 | 96.9 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.4 | |
| GE 800 | 93.7 | 96.3 | 96.8 | 96.9 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.6 | |
| GE 700 | 94.3 | 97.0 | 97.5 | 97.6 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 98.3 | |
| GE 600 | 94.4 | 97.2 | 97.7 | 97.8 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.5 | |
| GE 500 | 94.6 | 97.6 | 98.3 | 98.4 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.2 | |
| GE 400 | 94.6 | 97.8 | 98.6 | 98.7 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.5 | |
| GE 300 | 94.6 | 97.8 | 98.7 | 98.9 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 100.0 | |
| GE 200 | 94.6 | 97.8 | 98.7 | 98.9 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 100.0 | |
| GE 100 | 94.6 | 97.8 | 98.7 | 98.9 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 870

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|------|------|------|-------|-------|------|-------|------|------|-------|-------|-------|-------|-------|-------|
| | 1 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| NO CEILING | 72.0 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 |
| GE 20000 | 79.8 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 |
| GE 18000 | 80.2 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 |
| GE 16000 | 80.8 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| GE 14000 | 82.5 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 |
| GE 12000 | 86.1 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| GE 10000 | 89.2 | 89.8 | 89.9 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| GE 9000 | 91.6 | 92.1 | 92.4 | 92.4 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| GE 8000 | 92.9 | 93.5 | 93.7 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| GE 7000 | 93.2 | 93.8 | 94.0 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| GE 6000 | 94.9 | 95.5 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| GE 5000 | 96.5 | 97.1 | 97.3 | 97.3 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 4500 | 96.6 | 97.2 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 4000 | 97.3 | 98.2 | 98.4 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 3500 | 97.5 | 98.3 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 3000 | 97.6 | 98.4 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 2500 | 97.7 | 98.6 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 2000 | 97.7 | 98.6 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 1800 | 97.7 | 98.6 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 1500 | 97.7 | 98.6 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 1200 | 97.8 | 99.0 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 1000 | 97.8 | 99.4 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 900 | 97.8 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 97.8 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 97.8 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 97.8 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 97.8 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 97.8 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 97.8 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 97.8 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 97.8 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 97.8 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 932

GLOBAL CLIMATOLOGY BRANCH
 USAFLTAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 67.5 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 |
| GE 20000 | 77.5 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| GE 18000 | 78.5 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 |
| GE 16000 | 78.6 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 |
| GE 14000 | 79.5 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 |
| GE 12000 | 82.8 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| GE 10000 | 85.7 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| GE 9000 | 86.6 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| GE 8000 | 88.2 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| GE 7000 | 89.5 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| GE 6000 | 91.1 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| GE 5000 | 93.8 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| GE 4500 | 95.3 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| GE 4000 | 96.9 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 3500 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 3000 | 98.2 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 2500 | 98.2 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 2000 | 98.3 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 1800 | 98.3 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 1500 | 98.5 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 1200 | 98.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 1000 | 98.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 900 | 98.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 800 | 98.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 700 | 98.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 98.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 98.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 98.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 98.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 98.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 98.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 98.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE J |
| NO CEIL | 64.6 | 64.8 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 |
| GE 20000 | 73.9 | 74.1 | 74.3 | 74.3 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| GE 18000 | 74.5 | 74.7 | 74.9 | 74.9 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 |
| GE 16000 | 74.5 | 74.7 | 74.9 | 74.9 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 |
| GE 14000 | 75.3 | 75.5 | 75.7 | 75.7 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| GE 12000 | 78.1 | 78.4 | 78.6 | 78.6 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 |
| GE 10000 | 81.7 | 82.4 | 82.6 | 82.6 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 |
| GE 9000 | 82.7 | 83.3 | 83.5 | 83.5 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| GE 8000 | 85.4 | 86.0 | 86.2 | 86.2 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| GE 7000 | 86.9 | 87.5 | 87.7 | 87.7 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| GE 6000 | 87.7 | 88.5 | 88.7 | 88.7 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| GE 5000 | 91.3 | 92.0 | 92.4 | 92.4 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| GE 4500 | 91.1 | 93.9 | 94.2 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| GE 4000 | 94.5 | 95.3 | 95.6 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| GE 3500 | 95.4 | 96.2 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| GE 3000 | 95.7 | 96.8 | 97.1 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 2500 | 96.3 | 97.4 | 97.7 | 97.8 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 2000 | 97.1 | 98.2 | 98.5 | 98.5 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 1800 | 97.3 | 98.4 | 98.7 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 1500 | 97.6 | 98.7 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 1200 | 97.7 | 98.8 | 99.1 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 1000 | 97.8 | 98.9 | 99.2 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 900 | 98.0 | 99.0 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 800 | 98.0 | 99.1 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 700 | 98.1 | 99.2 | 99.6 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 600 | 98.2 | 99.4 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 98.2 | 99.4 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 98.2 | 99.4 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 98.2 | 99.4 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 98.2 | 99.4 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 98.2 | 99.4 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 98.2 | 99.4 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 910

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|-------|------|------|------|------|----------|-------|----------|----------|-------|--------|--------|--------|---------|--------|-------|
| | 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 68.7 | 68.7 | 68.8 | 68.8 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 |
| GE 20000 | 73.4 | 73.5 | 73.7 | 73.7 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| GE 18000 | 73.8 | 73.9 | 74.0 | 74.0 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 |
| GE 16000 | 74.1 | 74.2 | 74.3 | 74.3 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 |
| GE 14000 | 75.4 | 75.5 | 75.6 | 75.6 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 |
| GE 12000 | 80.1 | 80.2 | 80.3 | 80.3 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 |
| GE 10000 | 84.2 | 84.3 | 84.4 | 84.4 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| GE 9000 | 85.9 | 86.0 | 86.1 | 86.1 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| GE 8000 | 88.9 | 89.0 | 89.1 | 89.1 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| GE 7000 | 90.0 | 90.1 | 90.2 | 90.2 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| GE 6000 | 90.6 | 90.8 | 90.9 | 90.9 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| GE 5000 | 91.8 | 91.9 | 92.0 | 92.0 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| GE 4500 | 92.0 | 92.2 | 92.3 | 92.3 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| GE 4000 | 93.0 | 93.1 | 93.2 | 93.3 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| GE 3500 | 94.0 | 94.3 | 94.4 | 94.5 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| GE 3000 | 94.6 | 95.1 | 95.2 | 95.3 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| GE 2500 | 95.2 | 95.6 | 95.7 | 95.8 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| GE 2000 | 95.9 | 96.3 | 96.5 | 96.5 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| GE 1800 | 96.0 | 96.5 | 96.6 | 96.7 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| GE 1500 | 97.0 | 97.4 | 97.5 | 97.6 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 1200 | 97.7 | 98.3 | 98.4 | 98.5 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 1000 | 98.0 | 98.7 | 98.8 | 98.9 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 900 | 98.0 | 98.7 | 98.8 | 98.9 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 800 | 98.0 | 98.7 | 98.8 | 98.9 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 700 | 98.0 | 98.8 | 98.9 | 99.0 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 600 | 98.0 | 98.8 | 98.9 | 99.0 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 500 | 98.0 | 98.9 | 99.1 | 99.4 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 98.0 | 98.9 | 99.1 | 99.4 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 98.0 | 98.9 | 99.1 | 99.4 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 98.0 | 98.9 | 99.1 | 99.4 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 98.0 | 98.9 | 99.1 | 99.4 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 98.0 | 98.9 | 99.1 | 99.4 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 75-84
 MONTH: JUL HOURS(LIST): 0600-0900

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 68.5 | 68.5 | 68.5 | 68.5 | 68.8 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 |
| GE 20000 | 71.8 | 71.9 | 71.9 | 71.9 | 72.3 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 |
| GE 18000 | 72.3 | 72.4 | 72.4 | 72.4 | 72.7 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 |
| GE 16000 | 72.5 | 72.6 | 72.6 | 72.6 | 72.9 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 |
| GE 14000 | 74.1 | 74.2 | 74.2 | 74.2 | 74.5 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 |
| GE 12000 | 80.1 | 80.2 | 80.2 | 80.2 | 80.5 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 |
| GE 10000 | 84.4 | 84.5 | 84.5 | 84.5 | 84.8 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| GE 9000 | 86.6 | 86.7 | 86.7 | 86.7 | 87.0 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| GE 8000 | 90.1 | 90.3 | 90.3 | 90.3 | 90.6 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| GE 7000 | 91.8 | 92.3 | 92.3 | 92.3 | 92.6 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| GE 6000 | 92.7 | 93.1 | 93.1 | 93.1 | 93.4 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| GE 5000 | 93.7 | 94.2 | 94.2 | 94.2 | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| GE 4500 | 93.8 | 94.3 | 94.3 | 94.3 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| GE 4000 | 94.0 | 94.5 | 94.5 | 94.5 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| GE 3500 | 94.3 | 94.8 | 94.8 | 94.8 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| GE 3000 | 94.8 | 95.5 | 95.6 | 95.6 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 2500 | 94.9 | 95.6 | 95.7 | 95.7 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| GE 2000 | 94.9 | 95.8 | 95.9 | 95.9 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| GE 1800 | 94.9 | 95.8 | 95.9 | 95.9 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| GE 1500 | 95.2 | 96.0 | 96.1 | 96.1 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| GE 1200 | 95.9 | 96.9 | 97.0 | 97.0 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 1000 | 96.1 | 97.2 | 97.3 | 97.4 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 900 | 96.2 | 97.5 | 97.6 | 97.7 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 800 | 96.6 | 98.0 | 98.1 | 98.2 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 700 | 96.8 | 98.4 | 98.5 | 98.6 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 600 | 96.9 | 98.5 | 98.6 | 98.7 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 500 | 97.0 | 98.6 | 98.7 | 98.8 | 99.1 | 99.2 | 99.2 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 400 | 97.0 | 98.6 | 98.7 | 98.8 | 99.1 | 99.2 | 99.2 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 300 | 97.0 | 98.6 | 98.7 | 98.8 | 99.1 | 99.2 | 99.2 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 200 | 97.0 | 98.6 | 98.7 | 98.8 | 99.1 | 99.2 | 99.2 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 100 | 97.0 | 98.6 | 98.7 | 98.8 | 99.1 | 99.2 | 99.2 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 |
| GE 0 | 97.0 | 98.6 | 98.7 | 98.8 | 99.1 | 99.2 | 99.2 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAF/TAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 69.4 | 69.5 | 69.6 | 69.6 | 69.9 | 69.9 | 70.0 | 70.1 | 70.1 | 70.1 | 70.2 | 70.2 | 70.3 | 70.3 | 70.4 | 70.4 |
| GE 20000 | 74.9 | 75.0 | 75.1 | 75.1 | 75.3 | 75.3 | 75.4 | 75.5 | 75.5 | 75.5 | 75.6 | 75.6 | 75.8 | 75.8 | 75.9 | 75.9 |
| GE 18000 | 74.9 | 75.0 | 75.1 | 75.1 | 75.3 | 75.3 | 75.4 | 75.5 | 75.5 | 75.5 | 75.6 | 75.6 | 75.8 | 75.8 | 75.9 | 75.9 |
| GE 16000 | 75.3 | 75.4 | 75.5 | 75.5 | 75.8 | 75.8 | 75.9 | 76.0 | 76.0 | 76.0 | 76.1 | 76.1 | 76.2 | 76.2 | 76.3 | 76.3 |
| GE 14000 | 76.5 | 76.6 | 76.8 | 76.8 | 77.0 | 77.0 | 77.1 | 77.2 | 77.2 | 77.2 | 77.3 | 77.3 | 77.4 | 77.4 | 77.5 | 77.5 |
| GE 12000 | 82.5 | 82.4 | 82.5 | 82.5 | 82.8 | 82.8 | 82.9 | 83.0 | 83.0 | 83.0 | 83.1 | 83.1 | 83.2 | 83.2 | 83.3 | 83.3 |
| GE 10000 | 87.1 | 87.2 | 87.3 | 87.3 | 87.5 | 87.5 | 87.7 | 87.8 | 87.8 | 87.8 | 87.9 | 87.9 | 88.0 | 88.0 | 88.1 | 88.1 |
| GE 9000 | 89.0 | 89.1 | 89.2 | 89.2 | 89.4 | 89.4 | 89.5 | 89.7 | 89.7 | 89.7 | 89.8 | 89.8 | 89.9 | 89.9 | 90.0 | 90.0 |
| GE 8000 | 90.5 | 90.7 | 90.8 | 90.8 | 91.0 | 91.0 | 91.1 | 91.2 | 91.2 | 91.2 | 91.3 | 91.3 | 91.4 | 91.4 | 91.5 | 91.5 |
| GE 7000 | 92.5 | 92.7 | 92.8 | 92.8 | 93.0 | 93.0 | 93.1 | 93.2 | 93.2 | 93.2 | 93.3 | 93.3 | 93.4 | 93.4 | 93.5 | 93.5 |
| GE 6000 | 94.2 | 94.3 | 94.4 | 94.4 | 94.7 | 94.7 | 94.8 | 94.9 | 94.9 | 94.9 | 95.0 | 95.0 | 95.1 | 95.1 | 95.2 | 95.2 |
| GE 5000 | 95.2 | 95.3 | 95.4 | 95.4 | 95.7 | 95.7 | 95.8 | 95.9 | 95.9 | 95.9 | 96.0 | 96.0 | 96.1 | 96.1 | 96.2 | 96.2 |
| GE 4500 | 95.8 | 95.9 | 96.0 | 96.0 | 96.2 | 96.2 | 96.3 | 96.4 | 96.4 | 96.4 | 96.6 | 96.6 | 96.7 | 96.7 | 96.8 | 96.8 |
| GE 4000 | 96.3 | 96.4 | 96.6 | 96.6 | 96.8 | 96.8 | 96.9 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 | 97.2 | 97.2 | 97.3 | 97.3 |
| GE 3500 | 96.4 | 96.6 | 96.7 | 96.7 | 96.9 | 96.9 | 97.0 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.3 | 97.3 | 97.4 | 97.4 |
| GE 3000 | 96.7 | 97.0 | 97.2 | 97.2 | 97.4 | 97.4 | 97.6 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 97.9 | 97.9 | 98.0 | 98.0 |
| GE 2500 | 96.8 | 97.1 | 97.3 | 97.3 | 97.6 | 97.6 | 97.7 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 | 98.0 | 98.0 | 98.1 | 98.1 |
| GE 2000 | 96.8 | 97.3 | 97.6 | 97.6 | 97.8 | 97.8 | 97.9 | 98.0 | 98.0 | 98.0 | 98.1 | 98.1 | 98.2 | 98.2 | 98.3 | 98.3 |
| GE 1800 | 96.9 | 97.6 | 97.8 | 97.8 | 98.0 | 98.0 | 98.1 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.4 | 98.4 | 98.6 | 98.6 |
| GE 1500 | 96.9 | 97.7 | 97.9 | 97.9 | 98.1 | 98.1 | 98.2 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 | 98.6 | 98.6 | 98.7 | 98.7 |
| GE 1200 | 96.9 | 97.9 | 98.1 | 98.1 | 98.3 | 98.3 | 98.4 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.8 | 98.8 | 98.9 | 98.9 |
| GE 1000 | 96.9 | 97.9 | 98.2 | 98.2 | 98.4 | 98.4 | 98.6 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 |
| GE 900 | 97.0 | 98.0 | 98.3 | 98.3 | 98.6 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 |
| GE 800 | 97.0 | 98.0 | 98.3 | 98.3 | 98.6 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 |
| GE 700 | 97.2 | 98.2 | 98.6 | 98.6 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 |
| GE 600 | 97.4 | 98.6 | 98.9 | 98.9 | 99.1 | 99.1 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 |
| GE 500 | 97.4 | 98.6 | 98.9 | 98.9 | 99.1 | 99.1 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 |
| GE 400 | 97.6 | 98.8 | 99.1 | 99.1 | 99.3 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 |
| GE 300 | 97.6 | 98.8 | 99.1 | 99.1 | 99.3 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 100.0 |
| GE 200 | 97.6 | 98.8 | 99.1 | 99.1 | 99.3 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 100.0 |
| GE 100 | 97.6 | 98.8 | 99.1 | 99.1 | 99.3 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 100.0 |
| GE 0 | 97.6 | 98.8 | 99.1 | 99.1 | 99.3 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 879

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|------|------|------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 10 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 0 |
| NO CEIL | 77.9 | 78.2 | 78.5 | 78.5 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 |
| GE 20000 | 81.2 | 81.6 | 81.7 | 81.8 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| GE 18000 | 81.2 | 81.6 | 81.7 | 81.8 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| GE 16000 | 81.2 | 81.6 | 81.7 | 81.8 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| GE 14000 | 82.5 | 82.8 | 82.9 | 83.1 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| GE 12000 | 86.5 | 86.9 | 87.0 | 87.1 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 |
| GE 10000 | 92.2 | 92.5 | 92.6 | 92.7 | 92.9 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| GE 9000 | 93.1 | 93.4 | 93.5 | 93.7 | 93.8 | 93.8 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| GE 8000 | 94.5 | 94.8 | 94.9 | 95.3 | 95.2 | 95.2 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| GE 7000 | 96.0 | 96.3 | 96.4 | 96.5 | 96.7 | 96.7 | 96.8 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| GE 6000 | 96.7 | 97.5 | 97.6 | 97.7 | 97.8 | 97.8 | 97.9 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 5000 | 97.0 | 97.8 | 97.9 | 98.3 | 98.2 | 98.2 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 4500 | 97.1 | 97.8 | 98.0 | 98.2 | 98.3 | 98.3 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 4000 | 97.2 | 98.2 | 98.3 | 98.4 | 98.5 | 98.5 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 3500 | 97.4 | 98.3 | 98.4 | 98.5 | 98.6 | 98.6 | 98.7 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 3000 | 97.6 | 98.5 | 98.6 | 98.7 | 98.8 | 98.8 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 2500 | 97.6 | 98.5 | 98.6 | 98.7 | 98.8 | 98.8 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 2000 | 97.6 | 98.7 | 98.8 | 99.0 | 99.1 | 99.1 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 1800 | 97.6 | 98.7 | 98.8 | 99.0 | 99.1 | 99.1 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 1500 | 97.6 | 98.7 | 98.8 | 99.0 | 99.1 | 99.1 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 1200 | 97.6 | 98.8 | 99.0 | 99.1 | 99.2 | 99.2 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 1000 | 97.7 | 99.0 | 99.1 | 99.2 | 99.3 | 99.3 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 900 | 97.7 | 99.0 | 99.1 | 99.2 | 99.3 | 99.3 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 800 | 97.7 | 99.1 | 99.2 | 99.3 | 99.4 | 99.4 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 700 | 97.7 | 99.1 | 99.2 | 99.3 | 99.4 | 99.4 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 600 | 97.7 | 99.1 | 99.2 | 99.3 | 99.4 | 99.4 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 500 | 97.7 | 99.2 | 99.3 | 99.4 | 99.5 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 400 | 97.8 | 99.3 | 99.4 | 99.5 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 97.8 | 99.3 | 99.4 | 99.5 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 97.8 | 99.3 | 99.4 | 99.5 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 97.8 | 99.3 | 99.4 | 99.5 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 97.8 | 99.3 | 99.4 | 99.5 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 868

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 59.1 | 59.4 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.7 |
| GE 20000 | 66.3 | 66.7 | 66.8 | 66.8 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 67.0 | 67.0 | 67.0 | 67.1 |
| GE 18000 | 66.8 | 67.2 | 67.2 | 67.3 | 67.3 | 67.3 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.5 | 67.5 |
| GE 16000 | 67.0 | 67.4 | 67.4 | 67.5 | 67.5 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.7 | 67.7 | 67.7 | 67.7 |
| GE 14000 | 67.8 | 68.2 | 68.3 | 68.3 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.5 | 68.5 | 68.5 | 68.5 | 68.6 |
| GE 12000 | 71.1 | 71.4 | 71.5 | 71.5 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.8 |
| GE 10000 | 75.9 | 76.3 | 76.3 | 76.4 | 76.4 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.6 | 76.6 | 76.6 | 76.6 |
| GE 9000 | 77.9 | 78.2 | 78.3 | 78.4 | 78.4 | 78.4 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.6 | 78.6 | 78.6 |
| GE 8000 | 81.7 | 82.1 | 82.2 | 82.2 | 82.3 | 82.3 | 82.3 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.5 | 82.5 | 82.5 |
| GE 7000 | 84.0 | 84.4 | 84.5 | 84.6 | 84.6 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.8 | 84.8 | 84.8 | 84.9 |
| GE 6000 | 85.4 | 85.8 | 85.9 | 86.0 | 86.0 | 86.1 | 86.1 | 86.1 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.3 |
| GE 5000 | 87.6 | 88.2 | 88.3 | 88.4 | 88.5 | 88.5 | 88.6 | 88.6 | 88.6 | 88.6 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.8 |
| GE 4500 | 88.7 | 89.4 | 89.5 | 89.6 | 89.7 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 90.0 |
| GE 4000 | 91.0 | 91.8 | 92.0 | 92.1 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.4 | 92.4 | 92.4 | 92.4 | 92.5 | 92.5 | 92.5 |
| GE 3500 | 92.1 | 93.0 | 93.2 | 93.3 | 93.6 | 93.6 | 93.7 | 93.7 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.9 |
| GE 3000 | 93.5 | 94.5 | 94.8 | 94.9 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 |
| GE 2500 | 94.1 | 95.2 | 95.4 | 95.6 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.1 |
| GE 2000 | 94.4 | 95.6 | 95.9 | 96.0 | 96.3 | 96.3 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.5 | 96.5 | 96.5 | 96.5 | 96.6 |
| GE 1800 | 94.4 | 95.7 | 96.0 | 96.1 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.5 | 96.5 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 |
| GE 1500 | 94.8 | 96.2 | 96.5 | 96.6 | 96.9 | 96.9 | 96.9 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.2 |
| GE 1200 | 95.2 | 96.7 | 97.0 | 97.1 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 |
| GE 1000 | 95.6 | 97.3 | 97.6 | 97.8 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 |
| GE 900 | 95.6 | 97.4 | 97.7 | 97.9 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.5 |
| GE 800 | 95.7 | 97.7 | 98.0 | 98.2 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 |
| GE 700 | 95.8 | 97.9 | 98.2 | 98.4 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 |
| GE 600 | 95.9 | 98.1 | 98.4 | 98.6 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 |
| GE 500 | 96.0 | 98.3 | 98.7 | 99.0 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 |
| GE 400 | 96.0 | 98.3 | 98.8 | 99.1 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 |
| GE 300 | 96.0 | 98.3 | 98.8 | 99.1 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 200 | 96.0 | 98.3 | 98.8 | 99.1 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 100 | 96.0 | 98.3 | 98.8 | 99.1 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 0 | 96.0 | 98.3 | 98.8 | 99.1 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 7016

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 68.7 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 |
| GE 20000 | 73.3 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| GE 18000 | 73.5 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 |
| GE 16000 | 74.3 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 |
| GE 14000 | 77.4 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| GE 12000 | 82.7 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| GE 9000 | 85.6 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 |
| GE 8000 | 88.1 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| GE 7000 | 90.3 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 |
| GE 6000 | 91.7 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 |
| GE 5000 | 92.5 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| GE 4500 | 93.1 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| GE 4000 | 94.8 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| GE 3500 | 95.6 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| GE 3000 | 96.4 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| GE 2500 | 96.8 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| GE 2000 | 97.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 1800 | 97.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 1500 | 97.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 1200 | 97.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 1000 | 97.5 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 900 | 97.5 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 800 | 97.5 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 700 | 97.5 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 600 | 97.6 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 500 | 97.7 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 97.7 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 97.7 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 97.7 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 97.7 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 97.7 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 839

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/ZMAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 75-84
 MONTH: JUN HOURS(EST): 1800-2000

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 58.5 | 58.5 | 58.8 | 58.9 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 |
| GE 20000 | 68.0 | 68.0 | 68.4 | 68.5 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 |
| GE 18000 | 69.0 | 69.0 | 69.4 | 69.5 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 |
| GE 16000 | 69.6 | 69.6 | 70.0 | 70.1 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| GE 14000 | 70.7 | 70.7 | 71.0 | 71.1 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| GE 12000 | 74.9 | 74.9 | 75.3 | 75.4 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 |
| GE 10000 | 80.0 | 80.0 | 80.3 | 80.4 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| GE 9000 | 82.2 | 82.2 | 82.5 | 82.6 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 |
| GE 8000 | 86.2 | 86.2 | 86.5 | 86.7 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| GE 7000 | 88.4 | 88.4 | 88.7 | 88.8 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| GE 6000 | 89.9 | 89.9 | 90.2 | 90.3 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 |
| GE 5000 | 92.1 | 92.1 | 92.4 | 92.5 | 92.8 | 92.8 | 92.8 | 92.8 | 92.9 | 92.9 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| GE 4500 | 92.9 | 92.9 | 93.2 | 93.3 | 93.6 | 93.6 | 93.6 | 93.6 | 93.7 | 93.7 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| GE 4000 | 94.8 | 94.8 | 95.2 | 95.3 | 95.5 | 95.5 | 95.5 | 95.5 | 95.6 | 95.6 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| GE 3500 | 95.3 | 95.5 | 95.9 | 96.3 | 96.2 | 96.2 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 3000 | 96.3 | 96.7 | 97.1 | 97.2 | 97.5 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 2500 | 96.5 | 96.9 | 97.4 | 97.5 | 97.7 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| GE 2000 | 96.5 | 97.1 | 97.7 | 97.8 | 98.0 | 98.0 | 98.0 | 98.0 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 1800 | 96.5 | 97.2 | 97.8 | 97.9 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 1500 | 96.8 | 97.6 | 98.2 | 98.3 | 98.6 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 1200 | 96.9 | 97.7 | 98.3 | 98.4 | 98.7 | 98.8 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 1000 | 97.0 | 97.8 | 98.4 | 98.5 | 98.8 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 900 | 97.1 | 97.9 | 98.5 | 98.7 | 99.1 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 800 | 97.1 | 98.2 | 98.7 | 99.0 | 99.4 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 700 | 97.1 | 98.2 | 98.7 | 99.0 | 99.4 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 600 | 97.1 | 98.2 | 98.7 | 99.0 | 99.4 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 500 | 97.1 | 98.2 | 98.7 | 99.0 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 97.1 | 98.2 | 98.7 | 99.0 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 97.1 | 98.2 | 98.7 | 99.0 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 97.1 | 98.2 | 98.7 | 99.0 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 97.1 | 98.2 | 98.7 | 99.0 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 97.1 | 98.2 | 98.7 | 99.0 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 869

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 52.3 | 53.0 | 53.1 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| GE 20000 | 63.6 | 64.3 | 64.4 | 64.5 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 |
| GE 18000 | 64.3 | 64.9 | 65.0 | 65.1 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| GE 16000 | 64.7 | 65.4 | 65.5 | 65.6 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 |
| GE 14000 | 65.8 | 66.5 | 66.6 | 66.7 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 |
| GE 12000 | 68.9 | 69.6 | 69.7 | 69.8 | 69.8 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 |
| GE 10000 | 72.8 | 73.5 | 73.6 | 73.7 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 |
| GE 9000 | 74.5 | 75.2 | 75.3 | 75.4 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| GE 8000 | 77.8 | 78.5 | 78.6 | 78.7 | 78.8 | 78.8 | 78.8 | 78.8 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 |
| GE 7000 | 79.3 | 80.0 | 80.1 | 80.2 | 80.3 | 80.3 | 80.3 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 |
| GE 6000 | 80.4 | 81.1 | 81.2 | 81.3 | 81.4 | 81.4 | 81.4 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 |
| GE 5000 | 86.1 | 86.9 | 87.0 | 87.1 | 87.2 | 87.2 | 87.2 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| GE 4500 | 88.2 | 89.0 | 89.1 | 89.2 | 89.3 | 89.3 | 89.3 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| GE 4000 | 92.3 | 93.2 | 93.4 | 93.7 | 93.9 | 93.9 | 93.9 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| GE 3500 | 93.2 | 94.2 | 94.4 | 94.7 | 94.9 | 94.9 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| GE 3000 | 94.5 | 95.7 | 95.9 | 96.1 | 96.3 | 96.3 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 2500 | 95.3 | 96.4 | 96.7 | 96.9 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 2000 | 95.5 | 96.7 | 96.9 | 97.1 | 97.3 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 1800 | 95.5 | 96.7 | 96.9 | 97.1 | 97.3 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 1500 | 96.2 | 97.3 | 97.6 | 97.8 | 98.0 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 1200 | 96.3 | 97.6 | 97.8 | 98.3 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 1000 | 96.3 | 97.9 | 98.1 | 98.3 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 900 | 96.3 | 97.9 | 98.1 | 98.3 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 800 | 96.3 | 98.1 | 98.3 | 98.6 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 700 | 96.3 | 98.2 | 98.4 | 98.7 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 600 | 96.4 | 98.6 | 98.8 | 99.3 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 500 | 96.4 | 98.8 | 99.0 | 99.4 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 96.4 | 98.8 | 99.0 | 99.4 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 96.4 | 98.8 | 99.0 | 99.4 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 96.4 | 98.8 | 99.0 | 99.4 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 96.4 | 98.8 | 99.0 | 99.4 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 898

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1 | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE |
| | 1 | 10 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 0 |
| NO CEIL | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 |
| GE 20000 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| GE 18000 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 |
| GE 16000 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 |
| GE 14000 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 |
| GE 12000 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 |
| GE 10000 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 |
| GE 9000 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 |
| GE 8000 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| GE 7000 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
| GE 6000 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 |
| GE 5000 | 79.0 | 79.2 | 79.2 | 79.2 | 79.2 | 79.3 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| GE 4500 | 80.6 | 80.8 | 80.8 | 80.8 | 80.8 | 80.9 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 |
| GE 4000 | 86.9 | 87.4 | 87.4 | 87.4 | 87.5 | 87.9 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| GE 3500 | 89.9 | 90.6 | 90.6 | 90.7 | 91.0 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| GE 3000 | 93.0 | 94.0 | 94.0 | 94.1 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| GE 2500 | 94.7 | 95.8 | 95.8 | 96.0 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 2000 | 94.9 | 96.1 | 96.1 | 96.3 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| GE 1800 | 95.0 | 96.2 | 96.2 | 96.4 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| GE 1500 | 95.2 | 96.4 | 96.4 | 96.8 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 1200 | 95.8 | 97.2 | 97.2 | 97.7 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 1000 | 96.6 | 98.2 | 98.2 | 98.7 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 900 | 96.6 | 98.2 | 98.2 | 98.7 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 800 | 96.7 | 98.4 | 98.4 | 98.9 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 700 | 96.7 | 98.4 | 98.4 | 98.9 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 600 | 96.7 | 98.4 | 98.6 | 99.1 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 500 | 96.7 | 98.4 | 98.7 | 99.2 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 400 | 96.7 | 98.4 | 98.7 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 96.7 | 98.4 | 98.7 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 96.7 | 98.4 | 98.7 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 96.7 | 98.4 | 98.7 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 96.7 | 98.4 | 98.7 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
 USAFLTAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|--------------------|-----------------------------|------|------|------|------|----------|------|----------|----------|-------|--------|--------|--------|---------|--------|-------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 56.7 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 |
| GE 20000 | 62.2 | 62.6 | 62.6 | 62.6 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 |
| GE 18000 | 62.7 | 63.0 | 63.0 | 63.0 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 |
| GE 16000 | 62.9 | 63.2 | 63.2 | 63.2 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |
| GE 14000 | 63.4 | 63.8 | 63.8 | 63.8 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 |
| GE 12000 | 67.8 | 68.1 | 68.1 | 68.1 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 |
| GE 10000 | 71.8 | 72.1 | 72.1 | 72.1 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 |
| GE 9000 | 73.1 | 73.7 | 73.7 | 73.7 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 |
| GE 8000 | 76.2 | 76.6 | 76.6 | 76.6 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| GE 7000 | 78.6 | 78.9 | 78.9 | 78.9 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 |
| GE 6000 | 80.8 | 81.1 | 81.1 | 81.1 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| GE 5000 | 82.4 | 83.3 | 83.3 | 83.3 | 83.4 | 83.7 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| GE 4500 | 83.9 | 84.9 | 85.0 | 85.0 | 85.1 | 85.3 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |
| GE 4000 | 85.2 | 86.2 | 86.4 | 86.4 | 86.5 | 86.8 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 |
| GE 3500 | 87.3 | 88.7 | 88.9 | 88.9 | 89.0 | 89.4 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| GE 3000 | 90.6 | 91.9 | 92.1 | 92.2 | 92.7 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| GE 2500 | 91.1 | 92.7 | 92.9 | 93.0 | 93.6 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| GE 2000 | 92.1 | 93.8 | 94.0 | 94.1 | 94.7 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| GE 1800 | 92.3 | 93.9 | 94.1 | 94.2 | 94.8 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| GE 1500 | 93.3 | 95.1 | 95.3 | 95.4 | 96.0 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 1200 | 94.0 | 96.2 | 96.4 | 96.7 | 97.2 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 1000 | 94.9 | 97.4 | 97.7 | 97.9 | 98.4 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 900 | 95.0 | 97.7 | 97.9 | 98.1 | 98.7 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 800 | 95.3 | 98.3 | 98.6 | 98.8 | 99.3 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 700 | 95.3 | 98.3 | 98.6 | 98.8 | 99.3 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 600 | 95.3 | 98.3 | 98.6 | 98.8 | 99.3 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 500 | 95.3 | 98.4 | 98.7 | 98.9 | 99.4 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 400 | 95.3 | 98.4 | 98.7 | 98.9 | 99.4 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 300 | 95.3 | 98.6 | 98.8 | 99.0 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 95.3 | 98.6 | 98.8 | 99.0 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 95.3 | 98.6 | 98.8 | 99.0 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 01 | 95.3 | 98.6 | 98.8 | 99.0 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 75 BR
 MONTH: JUN HOURS(UTC): 0600 0600

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|-----------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 1/8 |
| NO CEIL | 57.8 | 58.6 | 58.7 | 58.7 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 59.0 | 59.1 | 59.1 | 59.3 |
| GE 20000 | 64.7 | 65.4 | 65.6 | 65.6 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.9 | 66.0 | 66.0 | 66.0 |
| GE 18000 | 64.8 | 65.6 | 65.7 | 65.7 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 66.0 | 66.1 | 66.1 | 66.3 |
| GE 16000 | 64.8 | 65.6 | 65.7 | 65.7 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 66.0 | 66.1 | 66.1 | 66.3 |
| GE 14000 | 65.8 | 66.6 | 66.7 | 66.7 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 67.0 | 67.1 | 67.1 | 67.3 |
| GE 12000 | 69.9 | 70.7 | 70.8 | 70.8 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 71.1 | 71.2 | 71.2 | 71.4 |
| GE 10000 | 73.6 | 74.4 | 74.6 | 74.6 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.9 | 75.0 | 75.0 | 75.2 |
| GE 9000 | 76.6 | 77.4 | 77.6 | 77.6 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.9 | 78.0 | 78.0 | 78.2 |
| GE 8000 | 81.9 | 82.8 | 82.9 | 82.9 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.2 | 83.3 | 83.3 | 83.5 |
| GE 7000 | 84.8 | 85.8 | 85.9 | 85.9 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.2 | 86.3 | 86.3 | 86.5 |
| GE 6000 | 86.2 | 87.2 | 87.3 | 87.3 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.7 | 87.8 | 87.8 | 88.0 |
| GE 5000 | 87.6 | 88.8 | 89.2 | 89.2 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.7 | 89.8 | 89.8 | 90.0 |
| GE 4500 | 87.9 | 89.2 | 89.7 | 89.7 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 90.1 | 90.2 | 90.2 | 90.4 |
| GE 4000 | 88.8 | 90.2 | 90.8 | 90.8 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.4 | 91.6 | 91.6 | 91.9 |
| GE 3500 | 89.2 | 90.7 | 91.3 | 91.3 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 92.1 | 92.2 | 92.2 | 92.4 |
| GE 3000 | 89.6 | 91.1 | 91.8 | 91.8 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.6 | 92.7 | 92.7 | 92.9 |
| GE 2500 | 89.7 | 91.7 | 92.3 | 92.3 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 93.1 | 93.2 | 93.2 | 93.4 |
| GE 2000 | 89.8 | 92.0 | 92.7 | 92.7 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.4 | 93.6 | 93.6 | 93.8 |
| GE 1800 | 89.8 | 92.1 | 92.8 | 92.8 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.6 | 93.7 | 93.7 | 93.9 |
| GE 1500 | 90.2 | 92.7 | 93.3 | 93.3 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 94.1 | 94.2 | 94.2 | 94.4 |
| GE 1200 | 91.1 | 93.8 | 94.6 | 94.6 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.3 | 95.4 | 95.4 | 95.7 |
| GE 1000 | 91.8 | 95.0 | 95.8 | 95.9 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.6 | 96.8 | 96.9 | 97.1 |
| GE 900 | 91.9 | 95.1 | 95.9 | 96.3 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.7 | 96.7 | 97.0 | 97.2 |
| GE 800 | 92.2 | 95.7 | 96.6 | 96.8 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.4 | 97.4 | 97.8 | 98.0 |
| GE 700 | 92.4 | 95.9 | 96.8 | 97.0 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 | 97.9 | 98.2 |
| GE 600 | 92.4 | 96.3 | 97.3 | 97.6 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.6 | 98.7 | 98.9 |
| GE 500 | 92.6 | 96.8 | 97.8 | 98.1 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 99.1 | 99.2 | 99.4 |
| GE 400 | 92.6 | 96.8 | 97.8 | 98.1 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.3 | 99.4 | 99.7 |
| GE 300 | 92.6 | 96.9 | 97.9 | 98.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.7 | 99.8 | 100.0 |
| GE 200 | 92.6 | 96.9 | 97.9 | 98.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.7 | 99.8 | 100.0 |
| GE 100 | 92.6 | 96.9 | 97.9 | 98.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.7 | 99.8 | 100.0 |
| GE 0 | 92.6 | 96.9 | 97.9 | 98.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.7 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 77.1 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| GE 20000 | 82.2 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
| GE 18000 | 82.2 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
| GE 16000 | 82.6 | 82.6 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 |
| GE 14000 | 83.3 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 |
| GE 12000 | 86.5 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| GE 10000 | 88.3 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| GE 9000 | 90.5 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 |
| GE 8000 | 93.0 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| GE 7000 | 94.2 | 94.8 | 94.8 | 94.8 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| GE 6000 | 95.1 | 96.1 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 5000 | 96.2 | 97.4 | 97.4 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 4500 | 96.2 | 97.4 | 97.4 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 4000 | 97.0 | 98.4 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 3500 | 97.4 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 3000 | 97.6 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 2500 | 97.6 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 2000 | 97.6 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 1800 | 97.6 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 1500 | 97.6 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 1200 | 97.6 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 1000 | 97.7 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 900 | 97.7 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 800 | 97.7 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 700 | 97.7 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 600 | 97.7 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 500 | 97.7 | 99.5 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 97.7 | 99.5 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 97.7 | 99.5 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 97.7 | 99.5 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 97.7 | 99.5 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 97.7 | 99.5 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 873

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 70.6 | 70.8 | 70.9 | 70.9 | 71.0 | 71.0 | 71.0 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 20000 | 76.8 | 77.0 | 77.1 | 77.1 | 77.2 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| GE 18000 | 77.1 | 77.4 | 77.4 | 77.4 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| GE 16000 | 77.4 | 77.6 | 77.7 | 77.7 | 77.8 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 78.0 | 78.0 |
| GE 14000 | 78.5 | 78.8 | 78.9 | 78.9 | 79.0 | 79.0 | 79.0 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 |
| GE 12000 | 82.7 | 83.0 | 83.1 | 83.1 | 83.2 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.4 | 83.4 |
| GE 10000 | 86.5 | 86.9 | 86.9 | 87.0 | 87.1 | 87.1 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 |
| GE 9000 | 88.2 | 88.5 | 88.6 | 88.6 | 88.7 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.9 | 88.9 | 88.9 | 88.9 |
| GE 8000 | 90.4 | 90.7 | 90.8 | 90.8 | 91.0 | 91.0 | 91.0 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| GE 7000 | 91.7 | 92.1 | 92.2 | 92.2 | 92.4 | 92.4 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.6 | 92.6 | 92.6 | 92.6 |
| GE 6000 | 92.8 | 93.4 | 93.5 | 93.5 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| GE 5000 | 94.4 | 95.0 | 95.1 | 95.1 | 95.3 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.5 | 95.5 |
| GE 4500 | 94.9 | 95.6 | 95.7 | 95.7 | 95.9 | 95.9 | 95.9 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| GE 4000 | 95.8 | 96.4 | 96.6 | 96.6 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| GE 3500 | 96.2 | 96.9 | 97.1 | 97.1 | 97.3 | 97.3 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 3000 | 96.6 | 97.4 | 97.5 | 97.6 | 97.8 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| GE 2500 | 96.8 | 97.6 | 97.7 | 97.8 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 2000 | 97.0 | 97.9 | 98.0 | 98.1 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 1800 | 97.0 | 97.9 | 98.1 | 98.1 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 1500 | 97.2 | 98.2 | 98.3 | 98.4 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 |
| GE 1200 | 97.5 | 98.6 | 98.7 | 98.8 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 1000 | 97.6 | 98.8 | 98.9 | 99.0 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 |
| GE 900 | 97.6 | 98.9 | 99.0 | 99.1 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 |
| GE 800 | 97.7 | 99.0 | 99.1 | 99.2 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 |
| GE 700 | 97.7 | 99.1 | 99.2 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 600 | 97.8 | 99.1 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 500 | 97.8 | 99.2 | 99.4 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 400 | 97.8 | 99.2 | 99.4 | 99.5 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 300 | 97.8 | 99.2 | 99.4 | 99.5 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 200 | 97.8 | 99.2 | 99.4 | 99.5 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 100 | 97.8 | 99.2 | 99.4 | 99.5 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 0 | 97.8 | 99.2 | 99.4 | 99.5 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 7262

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| GE 20000 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 |
| GE 18000 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| GE 16000 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| GE 14000 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 |
| GE 12000 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| GE 10000 | 88.6 | 88.6 | 88.6 | 88.6 | 88.8 | 88.8 | 88.8 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 |
| GE 9000 | 90.3 | 90.3 | 90.3 | 90.3 | 90.5 | 90.5 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| GE 8000 | 92.2 | 92.2 | 92.2 | 92.2 | 92.4 | 92.4 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| GE 7000 | 94.3 | 94.3 | 94.3 | 94.3 | 94.5 | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| GE 6000 | 95.5 | 95.5 | 95.5 | 95.5 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| GE 5000 | 96.5 | 96.5 | 96.5 | 96.5 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| GE 4500 | 96.7 | 96.7 | 96.7 | 96.7 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| GE 4000 | 97.7 | 97.8 | 97.8 | 97.8 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 3500 | 97.8 | 98.0 | 98.0 | 98.0 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 3000 | 98.4 | 98.5 | 98.5 | 98.5 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 2500 | 98.4 | 98.5 | 98.5 | 98.5 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 2000 | 98.4 | 98.5 | 98.5 | 98.5 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 1800 | 98.4 | 98.5 | 98.5 | 98.5 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 1500 | 98.4 | 98.5 | 98.5 | 98.5 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 1200 | 98.7 | 98.8 | 98.8 | 98.8 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 1000 | 98.7 | 98.8 | 98.8 | 98.8 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 900 | 98.8 | 98.9 | 98.9 | 98.9 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 800 | 98.9 | 99.0 | 99.0 | 99.0 | 99.2 | 99.2 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 700 | 98.9 | 99.1 | 99.1 | 99.1 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 600 | 98.9 | 99.2 | 99.2 | 99.2 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 500 | 99.0 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 400 | 99.0 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 300 | 99.0 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 99.0 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.0 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|-----------|---------|--|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 1/8 | GE 0 | |
| NO CELL | 72.5 | 73.0 | 73.1 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | |
| GE 20000 | 76.1 | 76.7 | 76.8 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | |
| GE 18000 | 76.3 | 76.9 | 77.0 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | |
| GE 16000 | 76.5 | 77.0 | 77.1 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | |
| GE 14000 | 77.3 | 77.8 | 78.0 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | |
| GE 12000 | 80.8 | 81.3 | 81.4 | 81.5 | 81.5 | 81.5 | 81.5 | 81.6 | 81.6 | 81.6 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | |
| GE 10000 | 86.0 | 86.6 | 86.7 | 86.8 | 86.8 | 86.8 | 86.9 | 86.9 | 86.9 | 86.9 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | |
| GE 9000 | 87.3 | 88.0 | 88.1 | 88.2 | 88.2 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | |
| GE 8000 | 89.8 | 90.4 | 90.5 | 90.6 | 90.6 | 90.6 | 90.8 | 90.8 | 90.8 | 90.8 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | |
| GE 7000 | 90.5 | 91.5 | 91.6 | 91.7 | 91.7 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | |
| GE 6000 | 92.2 | 92.9 | 93.0 | 93.1 | 93.1 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | |
| GE 5000 | 93.2 | 94.0 | 94.1 | 94.2 | 94.2 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | |
| GE 4500 | 93.7 | 94.4 | 94.5 | 94.6 | 94.6 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | |
| GE 4000 | 94.8 | 95.7 | 95.8 | 95.9 | 95.9 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | |
| GE 3500 | 94.9 | 95.8 | 95.9 | 96.0 | 96.0 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | |
| GE 3000 | 95.7 | 96.6 | 96.7 | 96.8 | 96.9 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | |
| GE 2500 | 95.7 | 96.6 | 96.7 | 96.8 | 96.9 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | |
| GE 2000 | 95.7 | 96.8 | 97.0 | 97.1 | 97.2 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | |
| GE 1800 | 95.7 | 96.9 | 97.1 | 97.2 | 97.3 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | |
| GE 1500 | 95.8 | 97.0 | 97.2 | 97.3 | 97.4 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | |
| GE 1200 | 96.0 | 97.2 | 97.4 | 97.5 | 97.6 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 | |
| GE 1000 | 96.2 | 97.5 | 97.7 | 97.8 | 98.0 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.6 | 98.6 | |
| GE 900 | 96.2 | 97.5 | 97.7 | 97.8 | 98.0 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.6 | 98.6 | |
| GE 800 | 96.5 | 97.7 | 98.0 | 98.1 | 98.2 | 98.3 | 98.6 | 98.6 | 98.6 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 99.0 | 99.0 | |
| GE 700 | 96.7 | 98.1 | 98.3 | 98.4 | 98.5 | 98.6 | 98.9 | 98.9 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.4 | 99.4 | |
| GE 600 | 96.8 | 98.2 | 98.4 | 98.5 | 98.6 | 98.7 | 99.1 | 99.1 | 99.1 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | |
| GE 500 | 96.8 | 98.2 | 98.4 | 98.5 | 98.6 | 98.7 | 99.1 | 99.1 | 99.1 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | |
| GE 400 | 97.0 | 98.4 | 98.6 | 98.7 | 98.8 | 98.9 | 99.4 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | |
| GE 300 | 97.0 | 98.5 | 98.7 | 98.8 | 98.9 | 99.0 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | |
| GE 200 | 97.0 | 98.5 | 98.7 | 98.8 | 98.9 | 99.0 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | |
| GE 100 | 97.0 | 98.5 | 98.7 | 98.8 | 98.9 | 99.0 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | |
| GE 0 | 97.0 | 98.5 | 98.7 | 98.8 | 98.9 | 99.0 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 75-84
MONTH: AUG HOURS(LST): 0600-0800

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 67.4 | 68.5 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.7 | 68.7 |
| GE 20000 | 72.4 | 73.9 | 74.0 | 74.0 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.2 | 74.2 |
| GE 18000 | 72.6 | 74.1 | 74.2 | 74.2 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.4 | 74.4 |
| GE 16000 | 72.9 | 74.4 | 74.5 | 74.5 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.7 | 74.7 |
| GE 14000 | 73.9 | 75.4 | 75.5 | 75.5 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.7 | 75.7 |
| GE 12000 | 78.3 | 79.8 | 79.9 | 79.9 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.2 | 80.2 |
| GE 10000 | 82.4 | 84.0 | 84.1 | 84.1 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.4 | 84.4 |
| GE 9000 | 83.5 | 85.3 | 85.4 | 85.4 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.7 | 85.7 |
| GE 8000 | 85.9 | 87.7 | 87.8 | 87.8 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.2 | 88.2 |
| GE 7000 | 88.4 | 90.3 | 90.4 | 90.4 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.8 | 90.8 |
| GE 6000 | 89.7 | 91.7 | 91.8 | 91.8 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.2 | 92.2 |
| GE 5000 | 90.6 | 92.7 | 92.8 | 92.8 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.2 | 93.2 |
| GE 4500 | 91.1 | 93.1 | 93.2 | 93.2 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.8 | 93.8 |
| GE 4000 | 91.4 | 93.9 | 94.1 | 94.1 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.6 | 94.6 |
| GE 3500 | 91.4 | 94.0 | 94.2 | 94.2 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 |
| GE 3000 | 91.6 | 94.4 | 94.7 | 94.7 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.4 | 95.4 |
| GE 2500 | 91.6 | 94.5 | 94.8 | 94.8 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.5 | 95.5 |
| GE 2000 | 91.7 | 94.7 | 95.1 | 95.1 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.7 | 95.8 |
| GE 1800 | 91.8 | 94.8 | 95.2 | 95.2 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.8 | 95.9 |
| GE 1500 | 92.3 | 95.5 | 95.8 | 95.8 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.5 | 96.6 |
| GE 1200 | 92.8 | 96.0 | 96.3 | 96.3 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.2 | 97.3 |
| GE 1000 | 93.1 | 96.6 | 96.9 | 97.3 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.2 | 98.3 |
| GE 900 | 93.2 | 96.7 | 97.1 | 97.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.4 | 98.5 |
| GE 800 | 93.4 | 97.1 | 97.5 | 97.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.8 | 98.9 |
| GE 700 | 93.5 | 97.2 | 97.6 | 97.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 | 99.1 |
| GE 600 | 93.5 | 97.3 | 97.7 | 98.0 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.4 |
| GE 500 | 93.5 | 97.4 | 98.0 | 98.3 | 99.2 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.7 |
| GE 400 | 93.5 | 97.4 | 98.0 | 98.3 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.8 |
| GE 300 | 93.5 | 97.4 | 98.0 | 98.3 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.8 |
| GE 200 | 93.5 | 97.4 | 98.0 | 98.3 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.9 |
| GE 100 | 93.5 | 97.4 | 98.0 | 98.3 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 100.0 |
| GE | n | 93.5 | 97.4 | 98.0 | 98.3 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|------|------|--|
| | 1 10 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 0 | | |
| NO CEIL | 67.7 | 68.2 | 68.2 | 68.2 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | |
| GE 20000 | 76.1 | 76.9 | 77.0 | 77.3 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | |
| GE 18000 | 76.6 | 77.3 | 77.4 | 77.4 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | |
| GE 16000 | 76.9 | 77.6 | 77.7 | 77.7 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | |
| GE 14000 | 78.0 | 78.8 | 79.0 | 79.0 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | |
| GE 12000 | 80.8 | 81.8 | 82.0 | 82.2 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | |
| GE 10000 | 84.2 | 85.4 | 85.6 | 85.7 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | |
| GE 9000 | 85.4 | 86.6 | 86.8 | 86.9 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | |
| GE 8000 | 88.2 | 89.4 | 89.6 | 89.7 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | |
| GE 7000 | 89.4 | 90.6 | 90.9 | 91.0 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | |
| GE 6000 | 90.2 | 91.9 | 92.4 | 92.5 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | |
| GE 5000 | 90.4 | 92.2 | 92.6 | 92.7 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | |
| GE 4500 | 90.5 | 92.3 | 92.7 | 92.8 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | |
| GE 4000 | 91.1 | 92.8 | 93.2 | 93.3 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | |
| GE 3500 | 91.1 | 92.8 | 93.2 | 93.5 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | |
| GE 3000 | 91.9 | 93.8 | 94.2 | 94.5 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | |
| GE 2500 | 92.4 | 94.2 | 94.6 | 94.9 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | |
| GE 2000 | 93.0 | 94.9 | 95.4 | 95.7 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | |
| GE 1800 | 93.0 | 94.9 | 95.4 | 95.7 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | |
| GE 1500 | 93.5 | 95.9 | 96.3 | 96.7 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | |
| GE 1200 | 94.3 | 96.8 | 97.3 | 97.7 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | |
| GE 1000 | 94.7 | 97.4 | 98.2 | 98.5 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | |
| GE 900 | 94.7 | 97.4 | 98.2 | 98.5 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | |
| GE 800 | 94.8 | 97.5 | 98.3 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | |
| GE 700 | 94.8 | 97.5 | 98.3 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | |
| GE 600 | 94.8 | 97.5 | 98.3 | 98.8 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | |
| GE 500 | 94.8 | 97.5 | 98.3 | 98.8 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | |
| GE 400 | 94.8 | 97.6 | 98.4 | 98.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | |
| GE 300 | 94.8 | 97.6 | 98.4 | 98.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | |
| GE 200 | 94.8 | 97.6 | 98.4 | 98.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | |
| GE 100 | 94.8 | 97.6 | 98.4 | 98.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | |
| GE 0 | 94.8 | 97.6 | 98.4 | 98.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|------|------|------|------|----------|------|----------|----------|-------|--------|--------|--------|---------|--------|-------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 62.7 | 62.7 | 62.7 | 62.7 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 |
| GE 20000 | 70.8 | 70.9 | 70.9 | 70.9 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| GE 18000 | 71.4 | 71.5 | 71.5 | 71.5 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| GE 16000 | 71.7 | 71.8 | 71.8 | 71.8 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 |
| GE 14000 | 73.3 | 73.4 | 73.4 | 73.4 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 |
| GE 12000 | 77.1 | 77.2 | 77.2 | 77.2 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 |
| GE 10000 | 79.6 | 79.8 | 79.8 | 79.9 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| GE 9000 | 81.3 | 81.5 | 81.5 | 81.6 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| GE 8000 | 83.2 | 83.5 | 83.5 | 83.7 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| GE 7000 | 84.0 | 85.1 | 85.1 | 85.2 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| GE 6000 | 84.9 | 86.1 | 86.1 | 86.2 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| GE 5000 | 88.2 | 89.4 | 89.4 | 89.5 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| GE 4500 | 88.9 | 90.2 | 90.2 | 90.3 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| GE 4000 | 92.0 | 93.3 | 93.4 | 93.5 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| GE 3500 | 93.0 | 94.3 | 94.4 | 94.5 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| GE 3000 | 94.8 | 96.7 | 96.8 | 96.9 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 2500 | 95.6 | 97.6 | 97.7 | 97.8 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 2000 | 95.9 | 98.2 | 98.3 | 98.4 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 1800 | 95.9 | 98.2 | 98.3 | 98.4 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 1500 | 96.1 | 98.5 | 98.6 | 98.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 1200 | 96.5 | 98.9 | 99.0 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 1000 | 96.6 | 99.0 | 99.1 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 900 | 96.6 | 99.0 | 99.1 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 96.6 | 99.0 | 99.1 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 96.6 | 99.0 | 99.1 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 96.6 | 99.0 | 99.1 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 96.6 | 99.0 | 99.1 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 96.6 | 99.0 | 99.1 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 96.6 | 99.0 | 99.1 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 96.6 | 99.0 | 99.1 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 96.6 | 99.0 | 99.1 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 96.6 | 99.0 | 99.1 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 65.1 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| GE 20000 | 75.7 | 76.1 | 76.1 | 76.1 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 |
| GE 18000 | 76.2 | 76.7 | 76.7 | 76.7 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 |
| GE 16000 | 76.2 | 76.7 | 76.7 | 76.7 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 |
| GE 14000 | 77.3 | 77.7 | 77.7 | 77.7 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 |
| GE 12000 | 80.1 | 80.5 | 80.5 | 80.5 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 |
| GE 10000 | 83.1 | 83.8 | 83.8 | 83.8 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| GE 9000 | 85.3 | 85.9 | 85.9 | 85.9 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| GE 8000 | 86.8 | 87.5 | 87.5 | 87.5 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| GE 7000 | 88.3 | 89.6 | 89.6 | 89.6 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| GE 6000 | 89.4 | 90.6 | 90.6 | 90.6 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| GE 5000 | 92.6 | 94.1 | 94.1 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| GE 4500 | 93.8 | 95.3 | 95.3 | 95.3 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| GE 4000 | 95.4 | 97.0 | 97.0 | 97.0 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 3500 | 96.1 | 98.0 | 98.1 | 98.1 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 3000 | 96.6 | 98.5 | 98.7 | 98.7 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 2500 | 96.7 | 98.6 | 98.8 | 98.8 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 2000 | 97.0 | 98.9 | 99.1 | 99.1 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 1800 | 97.0 | 98.9 | 99.1 | 99.1 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 1500 | 97.2 | 99.1 | 99.4 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 1200 | 97.3 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 1000 | 97.3 | 99.4 | 99.6 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 97.3 | 99.4 | 99.6 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 97.3 | 99.4 | 99.6 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 97.3 | 99.4 | 99.6 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 97.3 | 99.4 | 99.6 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 97.3 | 99.4 | 99.6 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 97.3 | 99.4 | 99.6 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 97.3 | 99.4 | 99.6 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 97.3 | 99.4 | 99.6 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 97.3 | 99.4 | 99.6 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 97.3 | 99.4 | 99.6 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 75-84
MONTH: AUG HOURS(DIST): 1800-2000

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|----------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|-----------|
| | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 1/8 |
| NO CEIL | 64.9 | 69.2 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 |
| GE 20000 | 78.9 | 79.2 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 |
| GE 18000 | 79.0 | 79.4 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 |
| GE 16000 | 79.6 | 79.9 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| GE 14000 | 80.5 | 80.9 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| GE 12000 | 85.1 | 85.4 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| GE 10000 | 89.0 | 89.4 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| GE 9000 | 89.9 | 90.2 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| GE 8000 | 92.0 | 92.4 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| GE 7000 | 93.4 | 93.8 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| GE 6000 | 94.2 | 94.5 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| GE 5000 | 96.5 | 97.2 | 97.5 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 4500 | 96.9 | 97.6 | 98.0 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 4000 | 97.5 | 98.3 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 3500 | 97.6 | 98.5 | 98.8 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 3000 | 98.1 | 98.9 | 99.2 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 2500 | 98.2 | 99.0 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 2000 | 98.5 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1800 | 98.5 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1500 | 98.5 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1200 | 98.5 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1000 | 98.5 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 98.5 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 98.5 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 98.5 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 98.5 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 98.5 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 98.5 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 98.5 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 98.5 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 98.5 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 98.5 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| %O CEIL | 77.0 | 77.4 | 77.4 | 77.4 | 77.5 | 77.5 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| GE 20000 | 83.0 | 83.4 | 83.4 | 83.4 | 83.5 | 83.5 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| GE 18000 | 83.1 | 83.5 | 83.5 | 83.5 | 83.7 | 83.7 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| GE 16000 | 83.5 | 84.0 | 84.0 | 84.0 | 84.1 | 84.1 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| GE 14000 | 84.9 | 85.4 | 85.4 | 85.4 | 85.5 | 85.5 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 |
| GE 12000 | 86.5 | 86.9 | 86.9 | 86.9 | 87.0 | 87.0 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| GE 10000 | 90.4 | 91.0 | 91.0 | 91.0 | 91.1 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| GE 9000 | 91.8 | 92.4 | 92.4 | 92.4 | 92.5 | 92.5 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| GE 8000 | 92.6 | 93.1 | 93.1 | 93.1 | 93.2 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| GE 7000 | 94.5 | 95.1 | 95.1 | 95.1 | 95.2 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| GE 6000 | 95.2 | 95.8 | 95.8 | 95.8 | 95.9 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| GE 5000 | 96.5 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 4500 | 97.2 | 98.0 | 98.0 | 98.0 | 98.1 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 4000 | 97.6 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 3500 | 97.7 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 3000 | 98.1 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 2500 | 98.3 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 2000 | 98.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 1800 | 98.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 1500 | 98.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 1200 | 98.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 1000 | 98.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 900 | 98.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 800 | 98.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 700 | 98.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 98.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 98.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 98.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 98.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 98.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 98.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 98.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|--|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | | |
| NO CEIL | 69.7 | 70.1 | 70.1 | 70.1 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | | |
| GE 20000 | 76.6 | 77.1 | 77.2 | 77.2 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | | |
| GE 18000 | 76.9 | 77.4 | 77.5 | 77.5 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.7 | 77.7 | | |
| GE 16000 | 77.2 | 77.7 | 77.8 | 77.8 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | | |
| GE 14000 | 78.3 | 78.8 | 78.9 | 78.9 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | | |
| GE 12000 | 81.6 | 82.1 | 82.2 | 82.3 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | | |
| GE 10000 | 85.4 | 86.0 | 86.1 | 86.2 | 86.3 | 86.3 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | | |
| GE 9000 | 86.9 | 87.5 | 87.6 | 87.6 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | | |
| GE 8000 | 88.8 | 89.5 | 89.6 | 89.7 | 89.8 | 89.8 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | | |
| GE 7000 | 90.4 | 91.3 | 91.4 | 91.4 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.7 | 91.7 | | |
| GE 6000 | 91.4 | 92.4 | 92.5 | 92.5 | 92.7 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | | |
| GE 5000 | 93.1 | 94.1 | 94.2 | 94.3 | 94.5 | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | | |
| GE 4500 | 93.6 | 94.7 | 94.8 | 94.9 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | | |
| GE 4000 | 94.7 | 95.9 | 96.1 | 96.1 | 96.3 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | | |
| GE 3500 | 95.0 | 96.3 | 96.4 | 96.5 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | | |
| GE 3000 | 95.6 | 97.1 | 97.3 | 97.3 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | | |
| GE 2500 | 95.8 | 97.3 | 97.5 | 97.6 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | | |
| GE 2000 | 96.1 | 97.6 | 97.8 | 97.9 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | | |
| GE 1800 | 96.1 | 97.6 | 97.8 | 97.9 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | | |
| GE 1500 | 96.3 | 97.9 | 98.1 | 98.2 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | | |
| GE 1200 | 96.6 | 98.3 | 98.5 | 98.6 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | | |
| GE 1000 | 96.7 | 98.5 | 98.7 | 98.8 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | | |
| GE 900 | 96.7 | 98.5 | 98.7 | 98.9 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | | |
| GE 800 | 96.8 | 98.6 | 98.8 | 99.0 | 99.3 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | | |
| GE 700 | 96.8 | 98.7 | 98.9 | 99.1 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | | |
| GE 600 | 96.9 | 98.7 | 99.0 | 99.1 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | | |
| GE 500 | 96.9 | 98.7 | 99.0 | 99.2 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | | |
| GE 400 | 96.9 | 98.8 | 99.0 | 99.2 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | | |
| GE 300 | 96.9 | 98.8 | 99.1 | 99.2 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | | |
| GE 200 | 96.9 | 98.8 | 99.1 | 99.2 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | | |
| GE 100 | 96.9 | 98.8 | 99.1 | 99.2 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | | |
| GE 0 | 96.9 | 98.8 | 99.1 | 99.2 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | | |

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 74.1 | 74.2 | 74.4 | 74.5 | 74.6 | 74.7 | 74.7 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 |
| GE 20000 | 76.3 | 76.4 | 76.7 | 76.8 | 76.8 | 76.9 | 76.9 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 |
| GE 18000 | 76.6 | 76.7 | 76.9 | 77.0 | 77.0 | 77.1 | 77.1 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 |
| GE 16000 | 76.6 | 76.7 | 76.9 | 77.0 | 77.0 | 77.1 | 77.1 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 |
| GE 14000 | 77.3 | 77.4 | 77.7 | 77.8 | 77.8 | 77.9 | 77.9 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| GE 12000 | 78.4 | 78.6 | 78.8 | 78.9 | 78.9 | 79.0 | 79.0 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 |
| GE 10000 | 81.9 | 84.0 | 84.2 | 84.3 | 84.3 | 84.4 | 84.4 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| GE 9000 | 86.1 | 86.2 | 86.4 | 86.6 | 86.6 | 86.7 | 86.7 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 |
| GE 8000 | 87.8 | 87.9 | 88.1 | 88.2 | 88.2 | 88.3 | 88.3 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| GE 7000 | 89.2 | 89.3 | 89.6 | 89.7 | 89.7 | 89.8 | 89.8 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| GE 6000 | 90.6 | 90.8 | 91.0 | 91.1 | 91.1 | 91.2 | 91.2 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| GE 5000 | 92.7 | 93.1 | 93.3 | 93.4 | 93.4 | 93.6 | 93.6 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| GE 4500 | 93.7 | 94.2 | 94.6 | 94.7 | 94.7 | 94.8 | 94.8 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| GE 4000 | 94.4 | 95.0 | 95.3 | 95.4 | 95.4 | 95.6 | 95.6 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| GE 3500 | 94.7 | 95.3 | 95.7 | 95.8 | 95.9 | 96.0 | 96.0 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 3000 | 94.7 | 95.6 | 95.9 | 96.0 | 96.1 | 96.2 | 96.2 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 2500 | 95.1 | 96.0 | 96.3 | 96.4 | 96.6 | 96.7 | 96.7 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| GE 2000 | 95.2 | 96.1 | 96.4 | 96.7 | 96.8 | 96.9 | 96.9 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| GE 1800 | 95.2 | 96.2 | 96.6 | 96.8 | 96.9 | 97.0 | 97.0 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 1500 | 95.4 | 96.9 | 97.2 | 97.4 | 97.8 | 97.9 | 97.9 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 1200 | 95.4 | 97.1 | 97.4 | 97.7 | 98.0 | 98.1 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 1000 | 95.6 | 97.2 | 97.6 | 97.8 | 98.1 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 900 | 95.6 | 97.2 | 97.6 | 97.8 | 98.1 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 800 | 95.6 | 97.3 | 97.7 | 97.9 | 98.2 | 98.3 | 98.3 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 700 | 95.6 | 97.3 | 97.7 | 97.9 | 98.2 | 98.3 | 98.3 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 600 | 95.9 | 97.8 | 98.1 | 98.3 | 98.7 | 98.8 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 500 | 95.9 | 97.8 | 98.2 | 98.4 | 98.8 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 400 | 95.9 | 97.8 | 98.2 | 98.4 | 98.9 | 99.0 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 300 | 95.9 | 97.8 | 98.2 | 98.7 | 99.1 | 99.3 | 99.3 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 200 | 95.9 | 97.8 | 98.2 | 98.7 | 99.1 | 99.3 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 100 | 95.9 | 97.8 | 98.2 | 98.7 | 99.1 | 99.3 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 0 | 95.9 | 97.8 | 98.2 | 98.7 | 99.1 | 99.3 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|----------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|------|
| | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | |
| NO CEIL | 70.2 | 70.4 | 70.8 | 70.8 | 71.0 | 71.1 | 71.4 | 71.4 | 71.4 | 71.4 | 71.6 | 71.8 | 71.8 | 71.9 | 72.1 | 72.1 | 72.1 |
| GE 20000 | 75.8 | 74.0 | 74.3 | 74.3 | 74.6 | 74.7 | 75.0 | 75.0 | 75.0 | 75.1 | 75.3 | 75.3 | 75.4 | 75.7 | 75.7 | 75.7 | 75.7 |
| GE 18000 | 75.9 | 74.1 | 74.4 | 74.4 | 74.7 | 74.8 | 75.1 | 75.1 | 75.1 | 75.2 | 75.4 | 75.4 | 75.6 | 75.8 | 75.8 | 75.8 | 75.8 |
| GE 16000 | 74.0 | 74.2 | 74.6 | 74.6 | 74.8 | 74.9 | 75.2 | 75.2 | 75.2 | 75.3 | 75.6 | 75.6 | 75.7 | 75.9 | 75.9 | 75.9 | 75.9 |
| GE 14000 | 75.0 | 75.2 | 75.6 | 75.6 | 75.8 | 75.9 | 76.2 | 76.2 | 76.2 | 76.3 | 76.6 | 76.6 | 76.7 | 76.9 | 76.9 | 76.9 | 76.9 |
| GE 12000 | 76.1 | 76.4 | 76.8 | 76.8 | 77.0 | 77.1 | 77.4 | 77.4 | 77.4 | 77.6 | 77.8 | 77.8 | 77.9 | 78.1 | 78.1 | 78.1 | 78.1 |
| GE 10000 | 80.2 | 80.6 | 80.9 | 80.9 | 81.2 | 81.3 | 81.7 | 81.7 | 81.7 | 81.8 | 82.0 | 82.0 | 82.1 | 82.3 | 82.3 | 82.3 | 82.3 |
| GE 9000 | 83.1 | 83.4 | 83.8 | 83.8 | 84.1 | 84.2 | 84.6 | 84.6 | 84.6 | 84.7 | 84.9 | 84.9 | 85.0 | 85.2 | 85.2 | 85.2 | 85.2 |
| GE 8000 | 85.7 | 86.1 | 86.4 | 86.4 | 86.8 | 86.9 | 87.2 | 87.2 | 87.2 | 87.4 | 87.7 | 87.7 | 87.8 | 88.0 | 88.1 | 88.1 | 88.1 |
| GE 7000 | 88.0 | 88.4 | 88.8 | 88.8 | 89.1 | 89.2 | 89.6 | 89.6 | 89.6 | 89.8 | 90.0 | 90.0 | 90.1 | 90.3 | 90.4 | 90.4 | 90.4 |
| GE 6000 | 89.0 | 89.4 | 89.8 | 89.8 | 90.1 | 90.2 | 90.6 | 90.6 | 90.6 | 90.8 | 91.0 | 91.0 | 91.1 | 91.3 | 91.4 | 91.4 | 91.4 |
| GE 5000 | 90.4 | 91.0 | 91.3 | 91.3 | 91.7 | 91.8 | 92.1 | 92.1 | 92.1 | 92.3 | 92.6 | 92.6 | 92.7 | 92.9 | 93.0 | 93.0 | 93.0 |
| GE 4500 | 91.0 | 91.8 | 92.1 | 92.1 | 92.4 | 92.6 | 92.9 | 92.9 | 92.9 | 93.1 | 93.3 | 93.3 | 93.4 | 93.7 | 93.8 | 93.8 | 93.8 |
| GE 4000 | 91.8 | 92.6 | 92.9 | 92.9 | 93.2 | 93.3 | 93.7 | 93.7 | 93.7 | 93.9 | 94.1 | 94.1 | 94.2 | 94.4 | 94.6 | 94.6 | 94.6 |
| GE 3500 | 92.3 | 93.1 | 93.4 | 93.4 | 93.8 | 93.9 | 94.2 | 94.2 | 94.2 | 94.4 | 94.7 | 94.7 | 94.8 | 95.0 | 95.1 | 95.1 | 95.1 |
| GE 3000 | 92.3 | 93.2 | 93.6 | 93.7 | 94.0 | 94.1 | 94.4 | 94.4 | 94.4 | 94.7 | 94.9 | 94.9 | 95.0 | 95.2 | 95.3 | 95.3 | 95.3 |
| GE 2500 | 93.0 | 93.9 | 94.2 | 94.3 | 94.7 | 94.8 | 95.1 | 95.1 | 95.1 | 95.3 | 95.6 | 95.6 | 95.7 | 95.9 | 96.0 | 96.0 | 96.0 |
| GE 2000 | 93.3 | 94.2 | 94.6 | 94.7 | 95.0 | 95.1 | 95.4 | 95.4 | 95.4 | 95.7 | 95.9 | 95.9 | 96.0 | 96.2 | 96.3 | 96.3 | 96.3 |
| GE 1800 | 93.3 | 94.2 | 94.7 | 94.8 | 95.1 | 95.2 | 95.6 | 95.6 | 95.6 | 95.8 | 96.0 | 96.0 | 96.1 | 96.3 | 96.4 | 96.4 | 96.4 |
| GE 1500 | 93.4 | 94.4 | 94.9 | 95.1 | 95.4 | 95.6 | 95.9 | 95.9 | 95.9 | 96.1 | 96.3 | 96.3 | 96.4 | 96.7 | 96.8 | 96.8 | 96.8 |
| GE 1200 | 93.4 | 94.4 | 95.0 | 95.1 | 95.6 | 95.7 | 96.0 | 96.0 | 96.0 | 96.2 | 96.4 | 96.4 | 96.6 | 96.8 | 96.9 | 96.9 | 96.9 |
| GE 1000 | 93.4 | 94.4 | 95.0 | 95.1 | 95.6 | 95.7 | 96.0 | 96.0 | 96.0 | 96.2 | 96.4 | 96.4 | 96.6 | 96.8 | 96.9 | 96.9 | 96.9 |
| GE 900 | 93.6 | 94.6 | 95.1 | 95.2 | 95.7 | 95.8 | 96.1 | 96.1 | 96.1 | 96.3 | 96.6 | 96.6 | 96.7 | 96.9 | 97.0 | 97.0 | 97.0 |
| GE 800 | 94.0 | 95.1 | 95.7 | 95.8 | 96.2 | 96.3 | 96.7 | 96.7 | 96.7 | 96.9 | 97.1 | 97.1 | 97.2 | 97.4 | 97.6 | 97.6 | 97.6 |
| GE 700 | 94.2 | 95.4 | 96.0 | 96.1 | 96.6 | 96.7 | 97.0 | 97.0 | 97.0 | 97.2 | 97.4 | 97.4 | 97.6 | 97.8 | 97.9 | 97.9 | 97.9 |
| GE 600 | 94.2 | 95.4 | 96.0 | 96.1 | 96.6 | 96.7 | 97.0 | 97.0 | 97.0 | 97.2 | 97.4 | 97.4 | 97.6 | 97.8 | 97.9 | 97.9 | 97.9 |
| GE 500 | 94.3 | 95.6 | 96.3 | 96.4 | 96.9 | 97.0 | 97.3 | 97.3 | 97.3 | 97.6 | 97.8 | 97.8 | 97.9 | 98.1 | 98.2 | 98.2 | 98.2 |
| GE 400 | 94.3 | 95.8 | 96.6 | 96.6 | 97.3 | 97.4 | 98.0 | 98.0 | 98.0 | 98.2 | 98.4 | 98.4 | 98.6 | 98.8 | 99.0 | 99.0 | 99.0 |
| GE 300 | 94.3 | 95.9 | 96.7 | 97.2 | 97.8 | 97.9 | 98.4 | 98.4 | 98.4 | 98.7 | 98.9 | 98.9 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 |
| GE 200 | 94.3 | 95.9 | 96.7 | 97.2 | 97.9 | 98.0 | 98.6 | 98.6 | 98.6 | 98.8 | 99.0 | 99.0 | 99.1 | 99.3 | 99.6 | 99.6 | 99.6 |
| GE 100 | 94.3 | 95.9 | 96.7 | 97.2 | 97.9 | 98.0 | 98.6 | 98.6 | 98.6 | 98.9 | 99.1 | 99.1 | 99.2 | 99.4 | 99.7 | 99.7 | 99.7 |
| GE 01 | 94.3 | 95.9 | 96.7 | 97.2 | 97.9 | 98.0 | 98.6 | 98.6 | 98.6 | 98.9 | 99.1 | 99.1 | 99.2 | 99.4 | 99.7 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 75-84
 MONTH: SEP HOURS(LOCAL): 0600-0800

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CELL | 61.9 | 64.0 | 64.1 | 64.2 | 64.3 | 64.3 | 64.7 | 64.8 | 64.8 | 64.8 | 64.9 | 64.9 | 64.9 | 64.9 | 65.0 | 65.1 |
| GE 20000 | 67.2 | 69.7 | 69.8 | 69.9 | 70.1 | 70.1 | 70.4 | 70.7 | 70.7 | 70.7 | 70.8 | 70.8 | 70.8 | 70.8 | 70.9 | 71.1 |
| GE 18000 | 67.6 | 70.0 | 70.1 | 70.2 | 70.4 | 70.4 | 70.8 | 71.0 | 71.0 | 71.0 | 71.1 | 71.1 | 71.1 | 71.1 | 71.2 | 71.4 |
| GE 16000 | 67.8 | 70.2 | 70.3 | 70.4 | 70.7 | 70.7 | 71.0 | 71.2 | 71.2 | 71.2 | 71.3 | 71.3 | 71.3 | 71.3 | 71.4 | 71.7 |
| GE 14000 | 69.3 | 71.8 | 72.1 | 72.2 | 72.4 | 72.4 | 72.8 | 73.0 | 73.0 | 73.1 | 73.2 | 73.2 | 73.2 | 73.2 | 73.3 | 73.6 |
| GE 12000 | 72.7 | 75.4 | 75.8 | 75.9 | 76.1 | 76.1 | 76.4 | 76.7 | 76.7 | 76.8 | 76.9 | 76.9 | 76.9 | 76.9 | 77.0 | 77.2 |
| GE 10000 | 77.2 | 80.0 | 80.3 | 80.4 | 80.7 | 80.7 | 81.1 | 81.3 | 81.3 | 81.4 | 81.6 | 81.6 | 81.6 | 81.6 | 81.8 | 82.0 |
| GE 9000 | 78.7 | 81.4 | 81.8 | 81.9 | 82.2 | 82.2 | 82.7 | 82.9 | 82.9 | 83.0 | 83.1 | 83.1 | 83.1 | 83.1 | 83.3 | 83.6 |
| GE 8000 | 82.2 | 85.0 | 85.3 | 85.4 | 85.8 | 85.8 | 86.2 | 86.4 | 86.4 | 86.6 | 86.7 | 86.7 | 86.7 | 86.7 | 86.9 | 87.1 |
| GE 7000 | 83.7 | 86.6 | 87.0 | 87.1 | 87.6 | 87.7 | 88.1 | 88.3 | 88.3 | 88.4 | 88.6 | 88.6 | 88.6 | 88.6 | 88.8 | 89.0 |
| GE 6000 | 85.1 | 88.6 | 88.4 | 88.5 | 89.0 | 89.1 | 89.6 | 89.8 | 89.8 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 | 90.2 | 90.4 |
| GE 5000 | 85.9 | 88.8 | 89.2 | 89.3 | 89.8 | 89.9 | 90.4 | 90.7 | 90.7 | 90.8 | 90.9 | 90.9 | 90.9 | 90.9 | 91.3 | 91.6 |
| GE 4500 | 86.2 | 89.1 | 89.6 | 89.7 | 90.1 | 90.2 | 90.8 | 91.0 | 91.0 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.7 | 91.9 |
| GE 4000 | 87.4 | 90.4 | 90.9 | 91.0 | 91.4 | 91.6 | 92.1 | 92.3 | 92.3 | 92.4 | 92.6 | 92.6 | 92.6 | 92.6 | 93.0 | 93.2 |
| GE 3500 | 87.8 | 90.8 | 91.2 | 91.3 | 91.8 | 91.9 | 92.4 | 92.7 | 92.7 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 | 93.3 | 93.6 |
| GE 3000 | 88.2 | 91.3 | 91.8 | 91.9 | 92.4 | 92.6 | 93.1 | 93.3 | 93.3 | 93.4 | 93.6 | 93.6 | 93.6 | 93.6 | 94.0 | 94.2 |
| GE 2500 | 89.0 | 92.1 | 92.6 | 92.7 | 93.2 | 93.3 | 93.9 | 94.1 | 94.1 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.8 | 95.0 |
| GE 2000 | 89.0 | 92.1 | 92.6 | 92.7 | 93.2 | 93.3 | 93.9 | 94.1 | 94.1 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.8 | 95.0 |
| GE 1800 | 89.0 | 92.1 | 92.6 | 92.7 | 93.2 | 93.3 | 93.9 | 94.1 | 94.1 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.8 | 95.0 |
| GE 1500 | 89.0 | 92.1 | 92.6 | 92.7 | 93.2 | 93.3 | 93.9 | 94.1 | 94.1 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.8 | 95.0 |
| GE 1200 | 89.1 | 92.3 | 92.8 | 92.9 | 93.4 | 93.6 | 94.1 | 94.3 | 94.3 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 95.0 | 95.2 |
| GE 1000 | 89.4 | 92.7 | 93.2 | 93.3 | 93.9 | 94.0 | 94.6 | 94.8 | 94.8 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 | 95.4 | 95.7 |
| GE 900 | 89.6 | 92.9 | 93.4 | 93.5 | 94.1 | 94.2 | 94.8 | 95.0 | 95.0 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.7 | 95.9 |
| GE 800 | 90.0 | 93.3 | 93.9 | 94.1 | 94.8 | 94.9 | 95.6 | 95.8 | 95.8 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.4 | 96.7 |
| GE 700 | 90.3 | 93.8 | 94.3 | 94.6 | 95.2 | 95.3 | 96.0 | 96.2 | 96.2 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.9 | 97.1 |
| GE 600 | 90.3 | 93.9 | 94.4 | 94.7 | 95.3 | 95.4 | 96.1 | 96.3 | 96.3 | 96.4 | 96.6 | 96.6 | 96.6 | 96.6 | 97.0 | 97.2 |
| GE 500 | 90.3 | 93.9 | 94.4 | 94.9 | 95.6 | 95.7 | 96.3 | 96.6 | 96.6 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 97.2 | 97.6 |
| GE 400 | 90.3 | 94.0 | 94.6 | 95.1 | 96.0 | 96.1 | 96.8 | 97.0 | 97.0 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 98.0 | 98.3 |
| GE 300 | 90.3 | 94.0 | 94.6 | 95.3 | 96.3 | 96.4 | 97.2 | 97.6 | 97.6 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.6 | 98.9 |
| GE 200 | 90.3 | 94.0 | 94.6 | 95.3 | 96.3 | 96.4 | 97.2 | 97.6 | 97.6 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.7 | 99.6 |
| GE 100 | 90.3 | 94.0 | 94.6 | 95.3 | 96.3 | 96.4 | 97.2 | 97.6 | 97.6 | 97.9 | 98.1 | 98.1 | 98.1 | 98.1 | 98.9 | 100.0 |
| GE 0 | 90.3 | 94.0 | 94.6 | 95.3 | 96.3 | 96.4 | 97.2 | 97.6 | 97.6 | 97.9 | 98.1 | 98.1 | 98.1 | 98.1 | 98.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 75-84
MONTH: OCT HOUR(S) LIST: 2100-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 59.1 | 59.9 | 60.1 | 60.1 | 60.5 | 60.5 | 60.8 | 60.8 | 60.9 | 61.2 | 61.2 | 61.2 | 61.5 | 61.5 | 61.7 | 62.3 |
| GE 20000 | 64.2 | 64.9 | 65.2 | 65.2 | 65.6 | 65.6 | 65.8 | 65.8 | 65.9 | 66.2 | 66.2 | 66.2 | 66.6 | 66.6 | 66.8 | 67.4 |
| GE 18000 | 64.9 | 65.7 | 65.9 | 65.9 | 66.3 | 66.3 | 66.6 | 66.6 | 66.7 | 67.0 | 67.0 | 67.0 | 67.3 | 67.3 | 67.5 | 68.2 |
| GE 16000 | 65.1 | 65.8 | 66.0 | 66.0 | 66.5 | 66.5 | 66.7 | 66.7 | 66.8 | 67.1 | 67.1 | 67.1 | 67.4 | 67.4 | 67.6 | 68.3 |
| GE 14000 | 66.7 | 67.4 | 67.6 | 67.6 | 68.1 | 68.1 | 68.3 | 68.3 | 68.4 | 68.7 | 68.7 | 68.7 | 69.0 | 69.0 | 69.2 | 69.9 |
| GE 12000 | 71.3 | 72.0 | 72.3 | 72.3 | 72.7 | 72.7 | 72.9 | 72.9 | 73.0 | 73.3 | 73.3 | 73.3 | 73.7 | 73.7 | 73.9 | 74.5 |
| GE 10000 | 75.8 | 76.6 | 76.8 | 76.8 | 77.2 | 77.2 | 77.4 | 77.4 | 77.5 | 77.8 | 77.8 | 77.8 | 78.2 | 78.2 | 78.4 | 79.0 |
| GE 9000 | 77.5 | 78.3 | 78.5 | 78.5 | 79.0 | 79.0 | 79.2 | 79.2 | 79.4 | 79.7 | 79.7 | 79.7 | 80.0 | 80.0 | 80.2 | 80.9 |
| GE 8000 | 80.2 | 81.4 | 81.6 | 81.6 | 82.2 | 82.2 | 82.4 | 82.4 | 82.5 | 82.8 | 82.8 | 82.8 | 83.1 | 83.1 | 83.3 | 84.0 |
| GE 7000 | 84.1 | 85.5 | 85.7 | 85.7 | 86.2 | 86.2 | 86.5 | 86.5 | 86.6 | 86.9 | 86.9 | 86.9 | 87.2 | 87.2 | 87.4 | 88.1 |
| GE 6000 | 86.0 | 87.6 | 87.8 | 87.8 | 88.4 | 88.4 | 88.6 | 88.6 | 88.7 | 89.0 | 89.0 | 89.0 | 89.4 | 89.4 | 89.6 | 90.2 |
| GE 5000 | 88.0 | 89.8 | 90.0 | 90.0 | 90.5 | 90.5 | 90.8 | 90.8 | 90.9 | 91.2 | 91.2 | 91.2 | 91.5 | 91.5 | 91.7 | 92.4 |
| GE 4500 | 88.6 | 90.5 | 90.6 | 90.6 | 91.3 | 91.3 | 91.5 | 91.5 | 91.6 | 91.9 | 91.9 | 91.9 | 92.3 | 92.3 | 92.5 | 93.1 |
| GE 4000 | 88.9 | 90.9 | 91.1 | 91.1 | 91.6 | 91.6 | 91.8 | 91.8 | 91.9 | 92.3 | 92.3 | 92.3 | 92.6 | 92.6 | 92.8 | 93.4 |
| GE 3500 | 89.0 | 91.1 | 91.3 | 91.3 | 91.9 | 91.9 | 92.2 | 92.2 | 92.3 | 92.6 | 92.6 | 92.6 | 92.9 | 92.9 | 93.1 | 93.9 |
| GE 3000 | 89.7 | 92.0 | 92.3 | 92.3 | 92.9 | 92.9 | 93.1 | 93.1 | 93.2 | 93.5 | 93.5 | 93.5 | 93.9 | 93.9 | 94.1 | 94.8 |
| GE 2500 | 89.8 | 92.2 | 92.4 | 92.4 | 93.0 | 93.0 | 93.2 | 93.2 | 93.3 | 93.7 | 93.7 | 93.7 | 94.0 | 94.0 | 94.2 | 94.9 |
| GE 2000 | 90.2 | 92.9 | 93.1 | 93.1 | 93.8 | 93.8 | 94.0 | 94.0 | 94.1 | 94.4 | 94.4 | 94.4 | 94.7 | 94.7 | 94.9 | 95.7 |
| GE 1800 | 90.2 | 92.9 | 93.1 | 93.1 | 93.8 | 93.8 | 94.0 | 94.0 | 94.1 | 94.4 | 94.4 | 94.4 | 94.7 | 94.7 | 94.9 | 95.7 |
| GE 1500 | 90.4 | 93.1 | 93.4 | 93.4 | 94.1 | 94.1 | 94.4 | 94.4 | 94.5 | 94.8 | 94.8 | 94.8 | 95.2 | 95.2 | 95.4 | 96.1 |
| GE 1200 | 90.6 | 93.3 | 93.7 | 93.7 | 94.4 | 94.4 | 94.7 | 94.7 | 94.8 | 95.2 | 95.2 | 95.2 | 95.5 | 95.5 | 95.7 | 96.5 |
| GE 1000 | 90.6 | 93.5 | 93.9 | 93.9 | 94.7 | 94.7 | 95.1 | 95.1 | 95.2 | 95.5 | 95.5 | 95.5 | 95.8 | 95.8 | 96.0 | 96.8 |
| GE 900 | 90.9 | 93.8 | 94.2 | 94.2 | 95.1 | 95.1 | 95.4 | 95.4 | 95.5 | 95.8 | 95.8 | 95.8 | 96.1 | 96.1 | 96.3 | 97.1 |
| GE 800 | 91.1 | 94.0 | 94.4 | 94.4 | 95.3 | 95.3 | 95.6 | 95.6 | 95.7 | 96.0 | 96.0 | 96.0 | 96.3 | 96.3 | 96.6 | 97.3 |
| GE 700 | 91.2 | 94.1 | 94.6 | 94.6 | 95.5 | 95.5 | 95.8 | 95.8 | 95.9 | 96.2 | 96.2 | 96.2 | 96.6 | 96.6 | 96.8 | 97.5 |
| GE 600 | 91.2 | 94.2 | 94.8 | 94.8 | 95.7 | 95.7 | 96.0 | 96.0 | 96.1 | 96.5 | 96.5 | 96.5 | 96.8 | 96.8 | 97.0 | 97.7 |
| GE 500 | 91.3 | 94.6 | 95.3 | 95.3 | 96.1 | 96.1 | 96.5 | 96.5 | 96.6 | 96.9 | 96.9 | 96.9 | 97.2 | 97.2 | 97.4 | 98.2 |
| GE 400 | 91.3 | 94.7 | 95.4 | 95.4 | 96.2 | 96.2 | 96.6 | 96.6 | 96.7 | 97.0 | 97.0 | 97.0 | 97.3 | 97.3 | 97.5 | 98.3 |
| GE 300 | 91.3 | 94.9 | 95.6 | 95.6 | 96.5 | 96.5 | 96.8 | 96.8 | 96.9 | 97.3 | 97.3 | 97.3 | 97.6 | 97.6 | 97.8 | 98.6 |
| GE 200 | 91.3 | 94.9 | 95.6 | 95.6 | 96.7 | 96.7 | 97.0 | 97.0 | 97.2 | 97.5 | 97.5 | 97.5 | 97.8 | 97.8 | 98.1 | 98.9 |
| GE 100 | 91.3 | 94.9 | 95.6 | 95.6 | 96.7 | 96.7 | 97.0 | 97.0 | 97.2 | 97.5 | 97.5 | 97.5 | 97.8 | 97.8 | 98.1 | 100.0 |
| GE 0 | 91.3 | 94.9 | 95.6 | 95.6 | 96.7 | 96.7 | 97.0 | 97.0 | 97.2 | 97.5 | 97.5 | 97.5 | 97.8 | 97.8 | 98.1 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 56.6 | 57.0 | 57.2 | 57.4 | 57.4 | 57.4 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 |
| GE 20000 | 65.5 | 66.0 | 66.2 | 66.5 | 66.5 | 66.5 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 |
| GE 18000 | 66.2 | 66.8 | 67.0 | 67.2 | 67.2 | 67.2 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 |
| GE 16000 | 66.5 | 67.0 | 67.2 | 67.4 | 67.4 | 67.4 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| GE 14000 | 68.5 | 69.0 | 69.2 | 69.5 | 69.5 | 69.5 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 |
| GE 12000 | 73.3 | 73.9 | 74.1 | 74.3 | 74.3 | 74.3 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| GE 10000 | 77.0 | 77.7 | 78.0 | 78.2 | 78.4 | 78.4 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 |
| GE 9000 | 78.0 | 78.6 | 79.0 | 79.2 | 79.5 | 79.5 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 |
| GE 8000 | 81.8 | 82.7 | 83.1 | 83.3 | 83.5 | 83.5 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| GE 7000 | 86.2 | 87.4 | 87.8 | 88.1 | 88.3 | 88.3 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| GE 6000 | 88.2 | 89.4 | 89.8 | 90.1 | 90.2 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| GE 5000 | 90.9 | 92.2 | 92.6 | 92.8 | 93.0 | 93.0 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| GE 4500 | 91.4 | 92.8 | 93.2 | 93.4 | 93.7 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| GE 4000 | 91.9 | 93.5 | 94.1 | 94.4 | 94.6 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| GE 3500 | 92.0 | 94.0 | 94.5 | 94.8 | 95.2 | 95.2 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| GE 3000 | 92.7 | 94.8 | 95.5 | 95.8 | 96.1 | 96.1 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| GE 2500 | 92.7 | 94.8 | 95.5 | 95.9 | 96.2 | 96.2 | 96.3 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| GE 2000 | 92.8 | 95.2 | 95.8 | 96.2 | 96.7 | 96.7 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| GE 1800 | 92.8 | 95.3 | 96.0 | 96.5 | 96.9 | 96.9 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| GE 1500 | 93.4 | 95.9 | 96.8 | 97.3 | 97.7 | 97.7 | 97.8 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 1200 | 93.5 | 96.1 | 97.0 | 97.6 | 98.1 | 98.1 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 1000 | 93.7 | 96.3 | 97.3 | 98.1 | 98.5 | 98.5 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 900 | 93.8 | 96.5 | 97.4 | 98.2 | 98.6 | 98.6 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 800 | 93.8 | 96.7 | 97.6 | 98.5 | 98.9 | 98.9 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 700 | 93.8 | 96.7 | 97.6 | 98.5 | 98.9 | 98.9 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 600 | 93.8 | 96.7 | 97.6 | 98.5 | 98.9 | 98.9 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 500 | 93.8 | 96.8 | 97.7 | 98.6 | 99.0 | 99.0 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 400 | 93.8 | 96.9 | 97.8 | 98.7 | 99.1 | 99.1 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 300 | 93.8 | 96.9 | 97.8 | 98.7 | 99.1 | 99.1 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 200 | 93.8 | 96.9 | 97.8 | 98.8 | 99.2 | 99.2 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 100 | 93.8 | 96.9 | 97.8 | 98.8 | 99.2 | 99.2 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 93.8 | 96.9 | 97.8 | 98.8 | 99.2 | 99.2 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 51.0 | 51.9 | 52.2 | 52.3 | 52.3 | 52.4 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |
| GE 20000 | 60.5 | 61.6 | 61.8 | 61.9 | 61.9 | 62.0 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 |
| GE 18000 | 61.5 | 62.6 | 62.8 | 62.9 | 62.9 | 63.0 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 |
| GE 16000 | 61.7 | 62.8 | 63.0 | 63.1 | 63.1 | 63.2 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |
| GE 14000 | 63.3 | 64.6 | 64.8 | 64.9 | 64.9 | 65.1 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 |
| GE 12000 | 68.7 | 70.1 | 70.3 | 70.4 | 70.4 | 70.5 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 |
| GE 10000 | 73.5 | 75.2 | 75.4 | 75.5 | 75.5 | 75.6 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| GE 9000 | 75.1 | 76.7 | 76.9 | 77.0 | 77.2 | 77.3 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 |
| GE 8000 | 78.2 | 79.9 | 80.1 | 80.2 | 80.4 | 80.5 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 |
| GE 7000 | 81.5 | 83.4 | 83.8 | 83.9 | 84.2 | 84.3 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 |
| GE 6000 | 83.3 | 85.3 | 85.6 | 85.7 | 86.0 | 86.1 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| GE 5000 | 86.6 | 88.7 | 89.0 | 89.1 | 89.5 | 89.6 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 |
| GE 4500 | 87.0 | 89.2 | 89.6 | 89.7 | 90.0 | 90.1 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| GE 4000 | 88.5 | 90.8 | 91.1 | 91.2 | 91.5 | 91.6 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| GE 3500 | 89.6 | 91.8 | 92.3 | 92.5 | 92.8 | 92.9 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| GE 3000 | 91.6 | 93.9 | 94.3 | 94.5 | 94.9 | 95.1 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| GE 2500 | 92.4 | 94.7 | 95.2 | 95.4 | 95.8 | 95.9 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| GE 2000 | 93.0 | 95.6 | 96.1 | 96.5 | 97.0 | 97.1 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| GE 1800 | 93.0 | 95.6 | 96.1 | 96.5 | 97.0 | 97.1 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| GE 1500 | 93.3 | 96.0 | 96.7 | 97.0 | 97.5 | 97.6 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 1200 | 93.5 | 96.2 | 96.9 | 97.2 | 97.7 | 97.8 | 98.3 | 98.3 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 1000 | 93.7 | 96.7 | 97.4 | 97.7 | 98.4 | 98.5 | 98.9 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 900 | 93.7 | 96.7 | 97.4 | 97.3 | 98.5 | 98.6 | 99.0 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 800 | 93.8 | 96.8 | 97.5 | 98.0 | 98.7 | 98.8 | 99.2 | 99.2 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 700 | 93.9 | 96.9 | 97.6 | 98.1 | 98.8 | 98.9 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 600 | 93.9 | 96.9 | 97.6 | 98.1 | 98.9 | 99.0 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 500 | 93.9 | 96.9 | 97.6 | 98.1 | 99.0 | 99.1 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 400 | 93.9 | 96.9 | 97.6 | 98.3 | 99.2 | 99.4 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 93.9 | 96.9 | 97.6 | 98.3 | 99.2 | 99.4 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 93.9 | 96.9 | 97.6 | 98.3 | 99.2 | 99.4 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 93.9 | 96.9 | 97.6 | 98.3 | 99.2 | 99.4 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 93.9 | 96.9 | 97.6 | 98.3 | 99.2 | 99.4 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|--------------------|-----------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|-------|-------|-------|-------|--|
| | 10 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 0 | |
| NO CEIL | 49.5 | 51.9 | 52.0 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | |
| GE 20000 | 57.3 | 59.8 | 59.9 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | |
| GE 18000 | 58.3 | 60.8 | 60.9 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | |
| GE 16000 | 59.4 | 60.9 | 61.0 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | |
| GE 14000 | 60.3 | 62.9 | 63.0 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | |
| GE 12000 | 64.9 | 67.8 | 68.0 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | |
| GE 10000 | 68.8 | 72.0 | 72.2 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | |
| GE 9000 | 71.3 | 74.5 | 74.6 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | |
| GE 8000 | 74.7 | 78.0 | 78.2 | 78.4 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | |
| GE 7000 | 77.3 | 80.9 | 81.2 | 81.4 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | |
| GE 6000 | 78.7 | 82.5 | 82.9 | 83.1 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | |
| GE 5000 | 79.7 | 83.4 | 83.9 | 84.1 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | |
| GE 4500 | 79.9 | 83.7 | 84.1 | 84.3 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | |
| GE 4000 | 81.4 | 85.2 | 85.6 | 85.8 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | |
| GE 3500 | 82.7 | 86.9 | 87.4 | 87.6 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | |
| GE 3000 | 85.1 | 89.4 | 89.9 | 90.1 | 90.3 | 90.3 | 90.3 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | |
| GE 2500 | 85.9 | 90.2 | 90.8 | 91.0 | 91.2 | 91.2 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | |
| GE 2000 | 87.4 | 91.7 | 92.3 | 92.5 | 92.9 | 92.9 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | |
| GE 1800 | 87.5 | 91.8 | 92.4 | 92.6 | 93.0 | 93.0 | 93.0 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | |
| GE 1500 | 88.2 | 92.7 | 93.3 | 93.5 | 94.0 | 94.0 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | |
| GE 1200 | 88.9 | 93.9 | 94.8 | 95.1 | 95.7 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | |
| GE 1000 | 89.8 | 94.8 | 95.8 | 96.1 | 96.9 | 96.9 | 96.9 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | |
| GE 900 | 90.0 | 95.1 | 96.0 | 96.3 | 97.1 | 97.1 | 97.1 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | |
| GE 800 | 90.1 | 95.5 | 96.5 | 97.3 | 97.7 | 97.7 | 97.7 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | |
| GE 700 | 90.1 | 95.6 | 96.6 | 97.1 | 98.0 | 98.0 | 98.0 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | |
| GE 600 | 90.1 | 95.8 | 96.8 | 97.5 | 98.2 | 98.2 | 98.2 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | |
| GE 500 | 90.2 | 95.9 | 96.9 | 97.6 | 98.6 | 98.6 | 98.6 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | |
| GE 400 | 90.2 | 95.9 | 96.9 | 97.9 | 98.8 | 98.8 | 98.8 | 99.2 | 99.4 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | |
| GE 300 | 90.2 | 96.0 | 97.0 | 98.3 | 98.9 | 98.9 | 98.9 | 99.4 | 99.5 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | |
| GE 200 | 90.2 | 96.0 | 97.0 | 98.3 | 98.9 | 98.9 | 98.9 | 99.4 | 99.5 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 100 | 90.2 | 96.0 | 97.0 | 98.3 | 98.9 | 98.9 | 98.9 | 99.4 | 99.5 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 0 | 90.2 | 96.0 | 97.0 | 98.3 | 98.9 | 98.9 | 98.9 | 99.4 | 99.5 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 3 |
| NO CEIL | 48.4 | 52.0 | 52.5 | 52.8 | 53.2 | 53.4 | 53.4 | 53.5 | 53.5 | 53.5 | 53.5 | 53.7 | 53.8 | 54.1 | 54.2 | 54.4 |
| GE 20000 | 54.5 | 58.6 | 59.1 | 59.5 | 60.0 | 60.2 | 60.2 | 60.3 | 60.3 | 60.4 | 60.6 | 60.8 | 60.9 | 61.2 | 61.4 | 61.6 |
| GE 18000 | 55.6 | 59.9 | 60.4 | 60.8 | 61.3 | 61.5 | 61.5 | 61.6 | 61.6 | 61.7 | 61.9 | 62.0 | 62.2 | 62.5 | 62.7 | 62.9 |
| GE 16000 | 55.9 | 60.2 | 60.8 | 61.1 | 61.6 | 61.8 | 61.8 | 61.9 | 61.9 | 62.0 | 62.3 | 62.4 | 62.5 | 62.8 | 63.0 | 63.2 |
| GE 14000 | 57.1 | 61.5 | 62.0 | 62.4 | 63.0 | 63.2 | 63.2 | 63.3 | 63.3 | 63.4 | 63.7 | 63.8 | 63.9 | 64.2 | 64.4 | 64.6 |
| GE 12000 | 61.4 | 66.2 | 66.8 | 67.2 | 67.8 | 68.1 | 68.1 | 68.2 | 68.2 | 68.3 | 68.5 | 68.6 | 68.7 | 69.0 | 69.2 | 69.5 |
| GE 10000 | 65.9 | 70.9 | 71.4 | 71.8 | 72.6 | 72.8 | 72.8 | 72.9 | 72.9 | 73.0 | 73.2 | 73.3 | 73.4 | 73.8 | 74.0 | 74.2 |
| GE 9000 | 66.7 | 71.7 | 72.3 | 72.7 | 73.4 | 73.7 | 73.7 | 73.8 | 73.8 | 73.9 | 74.3 | 74.2 | 74.3 | 74.6 | 74.8 | 75.1 |
| GE 8000 | 69.6 | 74.7 | 75.4 | 75.9 | 76.7 | 76.9 | 76.9 | 77.0 | 77.0 | 77.1 | 77.3 | 77.4 | 77.5 | 77.8 | 78.1 | 78.3 |
| GE 7000 | 72.5 | 77.8 | 78.5 | 79.3 | 79.8 | 80.0 | 80.0 | 80.1 | 80.1 | 80.2 | 80.5 | 80.6 | 80.8 | 81.1 | 81.3 | 81.5 |
| GE 6000 | 74.0 | 79.5 | 80.1 | 80.6 | 81.4 | 81.6 | 81.6 | 81.7 | 81.7 | 81.8 | 82.2 | 82.3 | 82.4 | 82.7 | 82.9 | 83.1 |
| GE 5000 | 74.4 | 79.9 | 80.5 | 81.1 | 81.8 | 82.0 | 82.0 | 82.2 | 82.2 | 82.3 | 82.6 | 82.7 | 82.8 | 83.1 | 83.3 | 83.5 |
| GE 4500 | 74.7 | 80.4 | 81.1 | 81.6 | 82.4 | 82.6 | 82.6 | 82.7 | 82.7 | 82.8 | 83.1 | 83.2 | 83.3 | 83.7 | 83.9 | 84.1 |
| GE 4000 | 75.3 | 81.0 | 81.8 | 82.4 | 83.1 | 83.3 | 83.3 | 83.4 | 83.4 | 83.5 | 83.9 | 84.0 | 84.1 | 84.4 | 84.6 | 84.8 |
| GE 3500 | 75.5 | 81.3 | 82.3 | 82.9 | 83.7 | 83.9 | 83.9 | 84.0 | 84.0 | 84.1 | 84.4 | 84.5 | 84.6 | 84.9 | 85.2 | 85.4 |
| GE 3000 | 76.5 | 82.6 | 83.7 | 84.3 | 85.1 | 85.4 | 85.5 | 85.6 | 85.6 | 85.7 | 86.0 | 86.1 | 86.2 | 86.6 | 86.8 | 87.0 |
| GE 2500 | 76.9 | 83.4 | 84.5 | 85.2 | 86.0 | 86.3 | 86.6 | 86.8 | 86.8 | 86.9 | 87.2 | 87.3 | 87.4 | 87.7 | 88.0 | 88.2 |
| GE 2000 | 77.3 | 84.1 | 85.2 | 85.8 | 86.7 | 87.0 | 87.2 | 87.4 | 87.4 | 87.5 | 87.8 | 88.0 | 88.1 | 88.4 | 88.6 | 88.8 |
| GE 1800 | 77.3 | 84.1 | 85.2 | 85.8 | 86.7 | 87.0 | 87.2 | 87.4 | 87.4 | 87.5 | 87.8 | 88.0 | 88.1 | 88.4 | 88.6 | 88.8 |
| GE 1500 | 77.7 | 84.7 | 85.8 | 86.5 | 87.4 | 87.7 | 88.0 | 88.2 | 88.2 | 88.4 | 88.7 | 88.8 | 88.9 | 89.2 | 89.5 | 89.7 |
| GE 1200 | 78.3 | 85.5 | 86.7 | 87.3 | 88.3 | 88.6 | 88.8 | 89.0 | 89.0 | 89.2 | 89.6 | 89.7 | 89.8 | 90.1 | 90.3 | 90.5 |
| GE 1000 | 78.9 | 86.8 | 88.0 | 88.7 | 89.7 | 90.0 | 90.2 | 90.4 | 90.4 | 90.6 | 91.0 | 91.1 | 91.2 | 91.5 | 91.7 | 91.9 |
| GE 900 | 79.2 | 87.1 | 88.3 | 89.3 | 90.0 | 90.3 | 90.5 | 90.8 | 90.8 | 91.1 | 91.4 | 91.5 | 91.6 | 91.9 | 92.2 | 92.4 |
| GE 800 | 80.0 | 88.1 | 89.4 | 90.2 | 91.4 | 91.7 | 92.0 | 92.3 | 92.3 | 92.6 | 92.9 | 93.0 | 93.1 | 93.4 | 93.7 | 93.9 |
| GE 700 | 80.2 | 88.5 | 89.8 | 90.6 | 91.8 | 92.2 | 92.5 | 92.7 | 92.7 | 93.0 | 93.4 | 93.5 | 93.7 | 94.0 | 94.2 | 94.4 |
| GE 600 | 80.2 | 88.7 | 90.0 | 90.9 | 92.0 | 92.4 | 92.7 | 92.9 | 93.0 | 93.3 | 93.8 | 93.9 | 94.0 | 94.3 | 94.5 | 94.7 |
| GE 500 | 80.3 | 89.0 | 90.3 | 91.3 | 92.8 | 93.1 | 93.7 | 94.0 | 94.1 | 94.5 | 95.2 | 95.3 | 95.4 | 95.7 | 95.9 | 96.1 |
| GE 400 | 80.4 | 89.2 | 90.5 | 91.5 | 93.2 | 93.5 | 94.2 | 94.6 | 94.7 | 95.2 | 95.8 | 95.9 | 96.0 | 96.3 | 96.4 | 96.7 |
| GE 300 | 80.4 | 89.4 | 90.6 | 91.7 | 93.9 | 94.3 | 95.1 | 95.5 | 95.6 | 96.1 | 97.1 | 97.2 | 97.4 | 97.8 | 98.5 | 98.8 |
| GE 200 | 80.4 | 89.4 | 90.6 | 91.7 | 94.0 | 94.4 | 95.2 | 95.6 | 95.7 | 96.5 | 97.4 | 97.5 | 97.7 | 98.2 | 99.0 | 100.0 |
| GE 100 | 80.4 | 89.4 | 90.6 | 91.7 | 94.0 | 94.4 | 95.2 | 95.6 | 95.7 | 96.5 | 97.4 | 97.5 | 97.7 | 98.2 | 99.0 | 100.0 |
| GE 0 | 80.4 | 89.4 | 90.6 | 91.7 | 94.0 | 94.4 | 95.2 | 95.6 | 95.7 | 96.5 | 97.4 | 97.5 | 97.7 | 98.2 | 99.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 75-84
 MONTH: OCT HOURS(UST): 0600-0800

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|----------|---------|---------|---------|---------|---------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|-------|
| | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 1/2 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE J | |
| NO CEIL | 46.0 | 48.4 | 49.0 | 49.9 | 50.3 | 50.4 | 50.6 | 50.9 | 51.0 | 51.4 | 52.0 | 52.2 | 52.5 | 52.6 | 53.2 | 54.6 |
| GE 20000 | 49.9 | 52.6 | 53.2 | 54.1 | 54.5 | 54.6 | 54.8 | 55.1 | 55.2 | 55.6 | 56.2 | 56.3 | 56.7 | 56.8 | 57.4 | 58.8 |
| GE 18000 | 51.3 | 54.1 | 54.7 | 55.5 | 56.0 | 56.1 | 56.3 | 56.6 | 56.7 | 57.1 | 57.7 | 57.8 | 58.2 | 58.3 | 58.9 | 60.3 |
| GE 16000 | 51.4 | 54.2 | 54.8 | 55.7 | 56.1 | 56.2 | 56.5 | 56.7 | 56.8 | 57.2 | 57.8 | 58.0 | 58.3 | 58.4 | 59.0 | 60.4 |
| GE 14000 | 52.7 | 55.6 | 56.2 | 57.4 | 57.8 | 58.0 | 58.2 | 58.4 | 58.5 | 58.9 | 59.6 | 59.7 | 60.0 | 60.1 | 60.8 | 62.2 |
| GE 12000 | 57.2 | 60.3 | 61.1 | 62.3 | 62.7 | 62.8 | 63.0 | 63.2 | 63.3 | 63.8 | 64.4 | 64.5 | 64.8 | 64.9 | 65.6 | 67.0 |
| GE 10000 | 61.6 | 65.1 | 65.9 | 67.1 | 67.5 | 67.6 | 67.8 | 68.2 | 68.3 | 68.7 | 69.4 | 69.5 | 69.8 | 69.9 | 70.6 | 72.0 |
| GE 9000 | 62.8 | 66.3 | 67.2 | 68.5 | 68.9 | 69.0 | 69.2 | 69.6 | 69.7 | 70.1 | 70.8 | 70.9 | 71.2 | 71.3 | 72.0 | 73.4 |
| GE 8000 | 65.7 | 69.5 | 70.8 | 72.2 | 72.6 | 72.7 | 72.9 | 73.2 | 73.3 | 73.9 | 74.5 | 74.6 | 74.9 | 75.1 | 75.8 | 77.2 |
| GE 7000 | 69.5 | 73.3 | 74.6 | 76.0 | 76.5 | 76.6 | 76.8 | 77.2 | 77.3 | 77.8 | 78.5 | 78.6 | 78.9 | 79.1 | 79.9 | 81.3 |
| GE 6000 | 70.4 | 74.3 | 75.6 | 77.0 | 77.4 | 77.5 | 77.7 | 78.2 | 78.3 | 78.8 | 79.5 | 79.6 | 79.9 | 80.1 | 80.9 | 82.3 |
| GE 5000 | 72.0 | 75.9 | 77.3 | 78.7 | 79.1 | 79.2 | 79.5 | 80.0 | 80.1 | 80.6 | 81.3 | 81.4 | 81.7 | 81.9 | 82.7 | 84.1 |
| GE 4500 | 72.5 | 76.3 | 77.7 | 79.1 | 79.6 | 79.7 | 79.9 | 80.4 | 80.5 | 81.1 | 81.7 | 81.8 | 82.2 | 82.4 | 83.1 | 84.5 |
| GE 4000 | 73.1 | 77.2 | 78.6 | 80.0 | 80.4 | 80.5 | 80.8 | 81.3 | 81.4 | 81.9 | 82.6 | 82.7 | 83.0 | 83.2 | 84.0 | 85.4 |
| GE 3500 | 74.0 | 78.4 | 79.8 | 81.2 | 81.6 | 81.7 | 81.9 | 82.5 | 82.6 | 83.1 | 83.8 | 83.9 | 84.2 | 84.4 | 85.2 | 86.6 |
| GE 3000 | 74.2 | 78.8 | 80.2 | 81.7 | 82.3 | 82.4 | 82.8 | 83.3 | 83.4 | 84.0 | 84.6 | 84.7 | 85.1 | 85.3 | 86.0 | 87.4 |
| GE 2500 | 74.6 | 79.2 | 80.6 | 82.2 | 82.7 | 82.8 | 83.3 | 83.9 | 84.0 | 84.5 | 85.2 | 85.3 | 85.6 | 85.8 | 86.6 | 88.0 |
| GE 2000 | 74.8 | 79.5 | 80.9 | 82.4 | 82.9 | 83.0 | 83.5 | 84.1 | 84.2 | 84.7 | 85.4 | 85.5 | 85.8 | 86.0 | 86.8 | 88.2 |
| GE 1800 | 75.1 | 79.7 | 81.1 | 82.6 | 83.1 | 83.2 | 83.8 | 84.3 | 84.4 | 84.9 | 85.6 | 85.7 | 86.0 | 86.2 | 87.0 | 88.4 |
| GE 1500 | 75.2 | 80.1 | 81.5 | 83.1 | 83.7 | 83.8 | 84.3 | 84.8 | 84.9 | 85.5 | 86.1 | 86.2 | 86.6 | 86.8 | 87.5 | 88.9 |
| GE 1200 | 75.3 | 80.3 | 81.7 | 83.4 | 84.1 | 84.2 | 84.7 | 85.4 | 85.5 | 86.0 | 86.7 | 86.8 | 87.1 | 87.3 | 88.1 | 89.5 |
| GE 1000 | 75.7 | 81.3 | 82.8 | 84.5 | 85.3 | 85.4 | 85.9 | 86.6 | 86.8 | 87.3 | 88.0 | 88.1 | 88.4 | 88.6 | 89.4 | 90.8 |
| GE 900 | 75.8 | 81.4 | 82.9 | 84.6 | 85.5 | 85.6 | 86.1 | 86.8 | 87.0 | 87.5 | 88.3 | 88.4 | 88.7 | 88.9 | 89.7 | 91.1 |
| GE 800 | 76.5 | 82.3 | 83.8 | 85.5 | 86.5 | 86.6 | 87.1 | 88.0 | 88.2 | 88.7 | 89.6 | 89.7 | 90.0 | 90.2 | 91.0 | 92.5 |
| GE 700 | 76.5 | 82.4 | 83.9 | 85.7 | 86.6 | 86.7 | 87.2 | 88.1 | 88.3 | 88.8 | 89.7 | 89.8 | 90.1 | 90.3 | 91.1 | 92.6 |
| GE 600 | 76.6 | 82.7 | 84.4 | 86.2 | 87.4 | 87.5 | 88.1 | 88.9 | 89.1 | 89.7 | 90.6 | 90.8 | 91.1 | 91.3 | 92.2 | 93.8 |
| GE 500 | 76.9 | 83.0 | 84.8 | 86.7 | 87.8 | 88.0 | 88.5 | 89.4 | 89.6 | 90.1 | 91.1 | 91.2 | 91.6 | 91.8 | 92.7 | 94.3 |
| GE 400 | 77.2 | 83.3 | 85.3 | 87.3 | 88.7 | 88.8 | 89.4 | 90.2 | 90.4 | 91.1 | 92.1 | 92.2 | 92.5 | 92.7 | 93.6 | 95.2 |
| GE 300 | 77.4 | 83.8 | 85.7 | 87.8 | 89.5 | 89.6 | 90.1 | 91.1 | 91.3 | 91.9 | 93.0 | 93.1 | 93.5 | 94.0 | 95.2 | 97.6 |
| GE 200 | 77.4 | 83.8 | 85.7 | 88.0 | 89.6 | 89.7 | 90.2 | 91.2 | 91.4 | 92.0 | 93.1 | 93.2 | 93.9 | 94.3 | 96.0 | 99.5 |
| GE 100 | 77.4 | 83.8 | 85.7 | 88.0 | 89.6 | 89.7 | 90.2 | 91.3 | 91.6 | 92.3 | 93.3 | 93.4 | 94.1 | 94.5 | 96.2 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE J |
| NO CEIL | 60.0 | 61.4 | 61.7 | 61.9 | 62.2 | 62.2 | 62.4 | 62.5 | 62.6 | 62.8 | 62.9 | 62.9 | 63.4 | 63.7 | 64.2 | 64.9 |
| GE 20000 | 63.4 | 65.1 | 65.5 | 65.8 | 66.0 | 66.0 | 66.2 | 66.3 | 66.5 | 66.7 | 66.9 | 66.9 | 67.4 | 67.6 | 68.2 | 68.9 |
| GE 18000 | 64.2 | 65.8 | 66.2 | 66.5 | 66.8 | 66.8 | 67.0 | 67.1 | 67.2 | 67.4 | 67.6 | 67.6 | 68.2 | 68.4 | 68.9 | 69.7 |
| GE 16000 | 64.4 | 66.0 | 66.5 | 66.8 | 67.0 | 67.0 | 67.2 | 67.3 | 67.4 | 67.6 | 67.8 | 67.8 | 68.4 | 68.6 | 69.1 | 69.9 |
| GE 14000 | 65.6 | 67.2 | 67.6 | 68.3 | 68.2 | 68.2 | 68.4 | 68.5 | 68.6 | 68.8 | 69.0 | 69.0 | 69.6 | 69.8 | 70.3 | 71.1 |
| GE 12000 | 67.4 | 69.1 | 69.6 | 69.9 | 70.1 | 70.1 | 70.3 | 70.4 | 70.5 | 70.8 | 71.0 | 71.0 | 71.5 | 71.7 | 72.3 | 73.0 |
| GE 10000 | 71.6 | 73.3 | 73.8 | 74.1 | 74.3 | 74.3 | 74.5 | 74.6 | 74.7 | 74.9 | 75.2 | 75.2 | 75.7 | 75.9 | 76.5 | 77.2 |
| GE 9000 | 73.8 | 75.5 | 75.9 | 76.2 | 76.5 | 76.5 | 76.7 | 76.8 | 76.9 | 77.1 | 77.3 | 77.3 | 77.8 | 78.1 | 78.6 | 79.4 |
| GE 8000 | 76.6 | 78.5 | 79.0 | 79.4 | 79.6 | 79.6 | 79.8 | 79.9 | 80.0 | 80.2 | 80.4 | 80.4 | 81.0 | 81.2 | 81.7 | 82.5 |
| GE 7000 | 78.8 | 80.8 | 81.3 | 81.6 | 81.8 | 81.8 | 82.0 | 82.3 | 82.4 | 82.7 | 82.9 | 82.9 | 83.4 | 83.7 | 84.2 | 84.9 |
| GE 6000 | 80.3 | 82.3 | 82.8 | 83.1 | 83.3 | 83.3 | 83.5 | 83.8 | 83.9 | 84.2 | 84.4 | 84.4 | 84.9 | 85.2 | 85.7 | 86.5 |
| GE 5000 | 81.7 | 83.7 | 84.3 | 84.6 | 84.8 | 84.8 | 85.1 | 85.3 | 85.4 | 85.7 | 85.9 | 85.9 | 86.5 | 86.7 | 87.2 | 88.0 |
| GE 4500 | 82.0 | 84.0 | 84.6 | 84.9 | 85.2 | 85.2 | 85.4 | 85.6 | 85.7 | 86.0 | 86.2 | 86.2 | 86.8 | 87.0 | 87.5 | 88.3 |
| GE 4000 | 82.8 | 84.8 | 85.5 | 85.8 | 86.0 | 86.0 | 86.2 | 86.5 | 86.6 | 86.9 | 87.1 | 87.1 | 87.6 | 87.8 | 88.4 | 89.1 |
| GE 3500 | 83.0 | 85.1 | 85.9 | 86.2 | 86.5 | 86.5 | 86.7 | 86.9 | 87.0 | 87.3 | 87.5 | 87.5 | 88.1 | 88.3 | 88.8 | 89.6 |
| GE 3000 | 83.4 | 85.8 | 86.6 | 87.2 | 87.5 | 87.5 | 87.7 | 88.0 | 88.1 | 88.4 | 88.6 | 88.6 | 89.1 | 89.4 | 89.9 | 90.6 |
| GE 2500 | 84.4 | 86.5 | 87.4 | 87.8 | 88.3 | 88.3 | 88.5 | 88.7 | 88.8 | 89.1 | 89.4 | 89.4 | 89.9 | 90.1 | 90.6 | 91.4 |
| GE 2000 | 84.7 | 87.0 | 88.0 | 88.4 | 88.8 | 88.8 | 89.0 | 89.2 | 89.4 | 89.7 | 89.9 | 89.9 | 90.4 | 90.6 | 91.2 | 91.9 |
| GE 1800 | 84.8 | 87.1 | 88.1 | 88.5 | 88.9 | 88.9 | 89.1 | 89.4 | 89.5 | 89.8 | 90.0 | 90.0 | 90.5 | 90.8 | 91.3 | 92.0 |
| GE 1500 | 85.5 | 87.8 | 88.8 | 89.2 | 89.7 | 89.7 | 89.9 | 90.1 | 90.2 | 90.6 | 90.9 | 90.9 | 91.4 | 91.6 | 92.2 | 92.9 |
| GE 1200 | 85.6 | 88.0 | 88.9 | 89.4 | 89.9 | 89.9 | 90.1 | 90.3 | 90.4 | 90.9 | 91.1 | 91.1 | 91.6 | 91.8 | 92.4 | 93.1 |
| GE 1000 | 86.1 | 88.6 | 89.6 | 90.0 | 90.6 | 90.6 | 90.9 | 91.1 | 91.2 | 91.6 | 91.9 | 91.9 | 92.6 | 92.8 | 93.3 | 94.1 |
| GE 900 | 86.3 | 88.8 | 89.8 | 90.2 | 90.9 | 90.9 | 91.1 | 91.3 | 91.4 | 91.8 | 92.2 | 92.2 | 92.8 | 93.0 | 93.5 | 94.3 |
| GE 800 | 86.5 | 88.9 | 89.9 | 90.3 | 91.1 | 91.1 | 91.3 | 91.5 | 91.6 | 92.0 | 92.4 | 92.4 | 93.0 | 93.2 | 93.8 | 94.7 |
| GE 700 | 86.8 | 89.2 | 90.2 | 90.5 | 91.4 | 91.4 | 91.6 | 91.8 | 91.9 | 92.4 | 92.7 | 92.7 | 93.3 | 93.5 | 94.1 | 95.1 |
| GE 600 | 87.1 | 90.1 | 91.1 | 91.5 | 92.5 | 92.5 | 92.7 | 92.9 | 93.0 | 93.4 | 93.8 | 93.8 | 94.4 | 94.6 | 95.2 | 96.1 |
| GE 500 | 87.3 | 90.4 | 91.4 | 91.8 | 92.8 | 92.8 | 93.0 | 93.2 | 93.3 | 93.8 | 94.2 | 94.2 | 94.8 | 95.1 | 95.6 | 96.6 |
| GE 400 | 87.3 | 90.4 | 91.4 | 91.8 | 92.8 | 92.8 | 93.2 | 93.5 | 93.8 | 94.3 | 94.7 | 94.7 | 95.5 | 95.7 | 96.2 | 97.2 |
| GE 300 | 87.3 | 90.4 | 91.4 | 91.9 | 92.9 | 92.9 | 93.3 | 93.7 | 93.9 | 94.4 | 94.8 | 94.8 | 95.6 | 95.9 | 96.5 | 97.6 |
| GE 200 | 87.3 | 90.4 | 91.4 | 91.9 | 92.9 | 93.0 | 93.4 | 93.8 | 94.1 | 94.6 | 95.1 | 95.2 | 95.9 | 96.2 | 97.2 | 98.7 |
| GE 100 | 87.3 | 90.4 | 91.4 | 91.9 | 92.9 | 93.0 | 93.4 | 93.8 | 94.2 | 94.7 | 95.2 | 95.3 | 96.0 | 96.5 | 97.4 | 99.6 |
| GE 0 | 87.3 | 90.4 | 91.4 | 91.9 | 92.9 | 93.0 | 93.4 | 93.8 | 94.2 | 94.7 | 95.2 | 95.3 | 96.0 | 96.5 | 97.4 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 75-84
 MONTH: OCT HOURS(LOCAL): 0000-0200

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 61.8 | 62.4 | 62.5 | 62.8 | 63.0 | 63.0 | 63.3 | 63.3 | 63.3 | 63.5 | 63.7 | 63.8 | 64.1 | 64.1 | 64.4 | 65.4 |
| GE 20000 | 65.2 | 65.9 | 66.0 | 66.3 | 66.7 | 66.7 | 67.1 | 67.1 | 67.1 | 67.3 | 67.4 | 67.5 | 67.8 | 67.8 | 68.2 | 69.1 |
| GE 18000 | 66.0 | 66.8 | 66.9 | 67.2 | 67.5 | 67.5 | 68.0 | 68.0 | 68.0 | 68.2 | 68.3 | 68.4 | 68.7 | 68.7 | 69.0 | 70.0 |
| GE 16000 | 66.2 | 67.0 | 67.1 | 67.4 | 67.7 | 67.7 | 68.2 | 68.2 | 68.2 | 68.4 | 68.5 | 68.6 | 68.9 | 68.9 | 69.2 | 70.2 |
| GE 14000 | 68.4 | 69.1 | 69.2 | 69.6 | 69.9 | 69.9 | 70.3 | 70.3 | 70.3 | 70.5 | 70.6 | 70.8 | 71.1 | 71.1 | 71.4 | 72.4 |
| GE 12000 | 71.4 | 72.2 | 72.3 | 72.6 | 72.9 | 72.9 | 73.3 | 73.3 | 73.3 | 73.5 | 73.7 | 73.8 | 74.1 | 74.1 | 74.4 | 75.4 |
| GE 10000 | 75.1 | 75.8 | 75.9 | 76.2 | 76.6 | 76.6 | 77.0 | 77.0 | 77.0 | 77.2 | 77.3 | 77.4 | 77.7 | 77.7 | 78.1 | 79.0 |
| GE 9000 | 77.3 | 78.1 | 78.2 | 78.5 | 78.8 | 78.8 | 79.2 | 79.2 | 79.2 | 79.5 | 79.6 | 79.7 | 80.0 | 80.0 | 80.3 | 81.3 |
| GE 8000 | 80.1 | 81.2 | 81.3 | 81.5 | 81.9 | 81.9 | 82.4 | 82.4 | 82.4 | 82.6 | 82.8 | 82.9 | 83.2 | 83.2 | 83.5 | 84.5 |
| GE 7000 | 82.0 | 83.1 | 83.2 | 83.5 | 83.9 | 83.9 | 84.3 | 84.3 | 84.3 | 84.5 | 84.7 | 84.8 | 85.2 | 85.2 | 85.5 | 86.5 |
| GE 6000 | 84.0 | 85.2 | 85.3 | 85.6 | 85.9 | 85.9 | 86.3 | 86.3 | 86.3 | 86.6 | 86.8 | 86.9 | 87.2 | 87.2 | 87.5 | 88.5 |
| GE 5000 | 86.3 | 87.7 | 88.0 | 88.3 | 88.7 | 88.7 | 89.1 | 89.1 | 89.1 | 89.4 | 89.6 | 89.7 | 90.0 | 90.0 | 90.3 | 91.3 |
| GE 4500 | 86.9 | 88.3 | 88.5 | 88.8 | 89.2 | 89.2 | 89.7 | 89.7 | 89.7 | 89.9 | 90.1 | 90.2 | 90.5 | 90.5 | 90.9 | 91.8 |
| GE 4000 | 87.1 | 88.5 | 88.7 | 89.1 | 89.5 | 89.5 | 89.9 | 89.9 | 89.9 | 90.1 | 90.3 | 90.4 | 90.8 | 90.8 | 91.1 | 92.0 |
| GE 3500 | 87.1 | 88.5 | 88.7 | 89.1 | 89.5 | 89.5 | 89.9 | 89.9 | 89.9 | 90.1 | 90.3 | 90.4 | 90.8 | 90.8 | 91.1 | 92.0 |
| GE 3000 | 87.7 | 89.4 | 89.6 | 89.9 | 90.3 | 90.3 | 90.8 | 90.8 | 90.8 | 91.0 | 91.2 | 91.3 | 91.6 | 91.6 | 91.9 | 92.9 |
| GE 2500 | 88.6 | 90.2 | 90.4 | 90.8 | 91.4 | 91.4 | 91.8 | 91.8 | 91.8 | 92.0 | 92.3 | 92.4 | 92.7 | 92.7 | 93.0 | 94.0 |
| GE 2000 | 89.1 | 90.8 | 91.0 | 91.3 | 91.9 | 91.9 | 92.4 | 92.4 | 92.4 | 92.6 | 92.8 | 92.9 | 93.2 | 93.2 | 93.5 | 94.5 |
| GE 1800 | 89.2 | 90.9 | 91.1 | 91.4 | 92.0 | 92.0 | 92.5 | 92.5 | 92.5 | 92.7 | 92.9 | 93.0 | 93.3 | 93.3 | 93.7 | 94.6 |
| GE 1500 | 89.2 | 90.9 | 91.2 | 91.5 | 92.2 | 92.2 | 92.6 | 92.6 | 92.6 | 92.8 | 93.0 | 93.1 | 93.4 | 93.4 | 93.8 | 94.7 |
| GE 1200 | 89.4 | 91.1 | 91.4 | 91.7 | 92.4 | 92.4 | 92.8 | 92.8 | 92.8 | 93.0 | 93.2 | 93.3 | 93.7 | 93.7 | 94.0 | 94.9 |
| GE 1000 | 89.6 | 91.3 | 91.6 | 91.9 | 92.7 | 92.7 | 93.1 | 93.1 | 93.1 | 93.3 | 93.5 | 93.7 | 94.1 | 94.1 | 94.4 | 95.4 |
| GE 900 | 89.7 | 91.4 | 91.7 | 92.0 | 92.8 | 92.8 | 93.2 | 93.2 | 93.2 | 93.4 | 93.7 | 93.8 | 94.2 | 94.2 | 94.5 | 95.6 |
| GE 800 | 89.9 | 91.7 | 92.0 | 92.4 | 93.1 | 93.1 | 93.5 | 93.5 | 93.5 | 93.8 | 94.0 | 94.1 | 94.5 | 94.5 | 94.8 | 95.9 |
| GE 700 | 90.3 | 92.3 | 92.6 | 92.9 | 93.7 | 93.7 | 94.1 | 94.1 | 94.1 | 94.3 | 94.5 | 94.6 | 95.1 | 95.1 | 95.4 | 96.5 |
| GE 600 | 90.3 | 92.3 | 92.6 | 92.9 | 93.8 | 93.8 | 94.2 | 94.2 | 94.2 | 94.4 | 94.7 | 94.8 | 95.3 | 95.3 | 95.6 | 96.8 |
| GE 500 | 90.6 | 92.8 | 93.1 | 93.4 | 94.4 | 94.4 | 94.8 | 94.8 | 94.8 | 95.1 | 95.4 | 95.5 | 95.9 | 95.9 | 96.2 | 97.4 |
| GE 400 | 90.6 | 93.1 | 93.4 | 93.9 | 95.1 | 95.1 | 95.5 | 95.5 | 95.5 | 95.9 | 96.2 | 96.3 | 96.9 | 96.9 | 97.2 | 98.4 |
| GE 300 | 90.6 | 93.1 | 93.4 | 93.9 | 95.1 | 95.1 | 95.5 | 95.5 | 95.5 | 95.9 | 96.2 | 96.3 | 96.9 | 97.3 | 97.6 | 98.8 |
| GE 200 | 90.6 | 93.1 | 93.4 | 93.9 | 95.2 | 95.2 | 95.6 | 95.6 | 95.6 | 96.1 | 96.5 | 96.6 | 97.2 | 97.6 | 98.2 | 99.5 |
| GE 100 | 90.6 | 93.1 | 93.4 | 93.9 | 95.2 | 95.2 | 95.6 | 95.7 | 95.7 | 96.2 | 96.6 | 96.7 | 97.4 | 97.8 | 98.4 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 92

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA PERIOD OF RECORD: 75-84
MONTH: SEP HOURS/ST: ALL

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 67.7 | 68.6 | 68.8 | 68.8 | 68.9 | 68.9 | 69.0 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.2 | 69.2 | 69.2 | 69.2 |
| GE 20000 | 72.9 | 74.1 | 74.2 | 74.3 | 74.5 | 74.5 | 74.6 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.8 | 74.8 | 74.8 |
| GE 18000 | 73.1 | 74.3 | 74.4 | 74.5 | 74.7 | 74.7 | 74.8 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 75.0 | 75.0 | 75.0 |
| GE 16000 | 73.3 | 74.4 | 74.6 | 74.7 | 74.8 | 74.9 | 75.0 | 75.0 | 75.0 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.2 | 75.2 |
| GE 14000 | 74.5 | 75.7 | 75.9 | 76.0 | 76.2 | 76.2 | 76.3 | 76.4 | 76.4 | 76.4 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.6 |
| GE 12000 | 77.2 | 78.5 | 78.7 | 78.8 | 79.0 | 79.0 | 79.1 | 79.2 | 79.2 | 79.2 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.4 |
| GE 10000 | 81.5 | 82.8 | 83.0 | 83.1 | 83.3 | 83.3 | 83.5 | 83.5 | 83.5 | 83.6 | 83.6 | 83.6 | 83.6 | 83.7 | 83.7 | 83.7 |
| GE 9000 | 83.4 | 84.7 | 84.9 | 85.0 | 85.3 | 85.3 | 85.5 | 85.5 | 85.5 | 85.6 | 85.6 | 85.6 | 85.6 | 85.7 | 85.7 | 85.7 |
| GE 8000 | 85.8 | 87.2 | 87.4 | 87.5 | 87.7 | 87.8 | 87.9 | 88.0 | 88.0 | 88.1 | 88.1 | 88.1 | 88.1 | 88.2 | 88.2 | 88.2 |
| GE 7000 | 87.1 | 88.6 | 88.8 | 88.9 | 89.2 | 89.3 | 89.4 | 89.5 | 89.5 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.7 | 89.7 |
| GE 6000 | 88.3 | 89.9 | 90.2 | 90.3 | 90.5 | 90.6 | 90.8 | 90.8 | 90.8 | 90.9 | 90.9 | 90.9 | 91.0 | 91.0 | 91.0 | 91.1 |
| GE 5000 | 89.8 | 91.5 | 91.7 | 91.9 | 92.1 | 92.2 | 92.3 | 92.4 | 92.4 | 92.5 | 92.5 | 92.5 | 92.6 | 92.6 | 92.7 | 92.7 |
| GE 4500 | 90.7 | 92.5 | 92.8 | 92.9 | 93.1 | 93.2 | 93.4 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.7 | 93.7 |
| GE 4000 | 91.9 | 93.8 | 94.1 | 94.2 | 94.4 | 94.5 | 94.7 | 94.8 | 94.8 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 95.0 | 95.0 |
| GE 3500 | 92.4 | 94.3 | 94.6 | 94.7 | 94.9 | 95.0 | 95.2 | 95.3 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.5 | 95.5 |
| GE 3000 | 92.9 | 94.9 | 95.3 | 95.4 | 95.7 | 95.8 | 95.9 | 96.0 | 96.0 | 96.1 | 96.1 | 96.1 | 96.2 | 96.2 | 96.3 | 96.3 |
| GE 2500 | 93.4 | 95.5 | 95.9 | 96.3 | 96.3 | 96.4 | 96.5 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.8 | 96.8 | 96.9 | 96.9 |
| GE 2000 | 93.6 | 95.7 | 96.1 | 96.3 | 96.6 | 96.7 | 96.8 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 | 97.2 |
| GE 1800 | 93.6 | 95.8 | 96.2 | 96.4 | 96.7 | 96.8 | 96.9 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.3 |
| GE 1500 | 93.7 | 96.1 | 96.4 | 96.6 | 96.9 | 97.0 | 97.2 | 97.3 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.5 | 97.5 |
| GE 1200 | 93.8 | 96.2 | 96.6 | 96.8 | 97.1 | 97.2 | 97.3 | 97.4 | 97.4 | 97.5 | 97.5 | 97.5 | 97.6 | 97.6 | 97.7 | 97.7 |
| GE 1000 | 93.9 | 96.4 | 96.8 | 97.1 | 97.3 | 97.4 | 97.6 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 |
| GE 900 | 94.0 | 96.5 | 96.9 | 97.1 | 97.4 | 97.5 | 97.7 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 98.0 | 98.0 |
| GE 800 | 94.2 | 96.7 | 97.2 | 97.4 | 97.7 | 97.8 | 98.0 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 |
| GE 700 | 94.2 | 96.9 | 97.3 | 97.5 | 97.9 | 98.0 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 | 98.5 | 98.5 |
| GE 600 | 94.3 | 97.0 | 97.5 | 97.7 | 98.1 | 98.2 | 98.4 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 |
| GE 500 | 94.3 | 97.0 | 97.6 | 97.9 | 98.3 | 98.4 | 98.6 | 98.6 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 | 99.0 |
| GE 400 | 94.3 | 97.1 | 97.7 | 98.0 | 98.5 | 98.6 | 98.8 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.2 | 99.3 |
| GE 300 | 94.3 | 97.1 | 97.8 | 98.2 | 98.7 | 98.8 | 99.1 | 99.2 | 99.2 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.7 |
| GE 200 | 94.3 | 97.1 | 97.8 | 98.2 | 98.8 | 98.9 | 99.1 | 99.3 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.7 | 99.8 |
| GE 100 | 94.3 | 97.1 | 97.8 | 98.2 | 98.8 | 98.9 | 99.1 | 99.3 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 100.0 |
| GE 0 | 94.3 | 97.1 | 97.8 | 98.2 | 98.8 | 98.9 | 99.1 | 99.3 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 7230

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 75-84
MONTH: SEP HOUR(S): 2100-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE J |
| NO CEIL | 77.3 | 78.1 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| GE 20000 | 79.7 | 80.4 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 |
| GE 18000 | 79.8 | 80.6 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| GE 16000 | 79.9 | 80.7 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 |
| GE 14000 | 80.3 | 81.2 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| GE 12000 | 82.1 | 83.1 | 83.2 | 83.2 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| GE 10000 | 87.1 | 88.2 | 88.3 | 88.3 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.6 | 88.6 | 88.6 |
| GE 9000 | 89.2 | 90.3 | 90.4 | 90.4 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.7 | 90.7 | 90.7 |
| GE 8000 | 90.4 | 91.6 | 91.7 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.9 | 91.9 | 91.9 |
| GE 7000 | 91.2 | 92.3 | 92.4 | 92.4 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.7 | 92.7 | 92.7 |
| GE 6000 | 92.1 | 93.7 | 93.8 | 93.8 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 94.0 | 94.0 | 94.0 |
| GE 5000 | 93.1 | 95.2 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.6 | 95.6 | 95.6 |
| GE 4500 | 93.9 | 96.1 | 96.2 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.4 | 96.4 | 96.4 |
| GE 4000 | 94.8 | 97.0 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 |
| GE 3500 | 95.1 | 97.3 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 |
| GE 3000 | 95.4 | 97.7 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 |
| GE 2500 | 95.6 | 98.0 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 |
| GE 2000 | 95.7 | 98.1 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.6 | 98.6 | 98.6 |
| GE 1800 | 95.7 | 98.1 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.6 | 98.6 | 98.6 |
| GE 1500 | 95.7 | 98.2 | 98.4 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 |
| GE 1200 | 95.7 | 98.2 | 98.4 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 |
| GE 1000 | 95.7 | 98.2 | 98.4 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 |
| GE 900 | 95.7 | 98.2 | 98.4 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 |
| GE 800 | 95.8 | 98.4 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 |
| GE 700 | 95.8 | 98.6 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 |
| GE 600 | 95.8 | 98.7 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 |
| GE 500 | 95.8 | 98.7 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 |
| GE 400 | 95.9 | 98.8 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 |
| GE 300 | 95.9 | 98.8 | 99.1 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 |
| GE 200 | 95.9 | 98.8 | 99.1 | 99.1 | 99.2 | 99.3 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 |
| GE 100 | 95.9 | 98.8 | 99.1 | 99.1 | 99.2 | 99.3 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 |
| GE 0 | 95.9 | 98.8 | 99.1 | 99.1 | 99.2 | 99.3 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/PMAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 75-84
MONTH: SEP HOURS/CEILING: 1800-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|-----------|-----------|-----------|---------|-------------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|-------|
| | GE 1 | GE 1/2 | GE 3/8 | GE 5/8 | GE 1 | GE 1 1/4 | GE 2 | GE 3 | GE 4 | GE 5 | GE 6 | GE 7 | GE 8 | GE 9 | GE 10 | GE 12 | GE 15 | |
| NO CELL | 70.3 | 71.3 | 71.6 | 71.7 | 71.8 | 71.8 | 71.9 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| GE 20000 | 76.8 | 77.9 | 78.1 | 78.2 | 78.4 | 78.6 | 78.7 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 |
| GE 18000 | 77.0 | 78.1 | 78.3 | 78.4 | 78.7 | 78.8 | 78.9 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 |
| GE 16000 | 77.4 | 78.6 | 78.8 | 78.9 | 79.1 | 79.2 | 79.3 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| GE 14000 | 78.2 | 79.4 | 79.7 | 79.9 | 80.0 | 80.2 | 80.3 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 |
| GE 12000 | 81.4 | 82.7 | 82.9 | 83.3 | 83.4 | 83.7 | 83.8 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| GE 10000 | 85.8 | 87.0 | 87.2 | 87.3 | 87.8 | 88.0 | 88.1 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| GE 9000 | 87.2 | 88.4 | 88.7 | 88.9 | 89.2 | 89.4 | 89.6 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| GE 8000 | 89.3 | 90.8 | 91.0 | 91.1 | 91.7 | 91.9 | 92.0 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 |
| GE 7000 | 90.1 | 91.6 | 91.8 | 91.9 | 92.4 | 92.7 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| GE 6000 | 91.1 | 92.9 | 93.1 | 93.2 | 93.8 | 94.0 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| GE 5000 | 92.0 | 93.9 | 94.1 | 94.2 | 94.8 | 95.0 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| GE 4500 | 92.4 | 94.6 | 95.0 | 95.1 | 95.7 | 95.9 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| GE 4000 | 93.1 | 95.3 | 95.8 | 95.9 | 96.4 | 96.7 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| GE 3500 | 93.1 | 95.7 | 96.1 | 96.2 | 96.8 | 97.0 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 3000 | 93.9 | 96.4 | 96.9 | 97.3 | 97.7 | 97.9 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 2500 | 94.3 | 96.9 | 97.3 | 97.4 | 98.1 | 98.3 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 2000 | 94.3 | 96.9 | 97.3 | 97.4 | 98.1 | 98.3 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 1800 | 94.3 | 96.9 | 97.3 | 97.4 | 98.1 | 98.3 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 1500 | 94.4 | 97.0 | 97.4 | 97.6 | 98.2 | 98.4 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 1200 | 94.4 | 97.0 | 97.4 | 97.6 | 98.2 | 98.4 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 1000 | 94.4 | 97.0 | 97.4 | 97.6 | 98.2 | 98.4 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 900 | 94.4 | 97.0 | 97.4 | 97.6 | 98.2 | 98.4 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 800 | 94.4 | 97.2 | 97.7 | 97.9 | 98.6 | 98.8 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 700 | 94.4 | 97.2 | 97.7 | 97.9 | 98.6 | 98.8 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 600 | 94.4 | 97.3 | 97.9 | 98.1 | 98.8 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 500 | 94.4 | 97.3 | 98.0 | 98.2 | 99.0 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 400 | 94.4 | 97.3 | 98.1 | 98.3 | 99.1 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 300 | 94.4 | 97.3 | 98.2 | 98.4 | 99.3 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 200 | 94.4 | 97.3 | 98.2 | 98.4 | 99.3 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 100 | 94.4 | 97.3 | 98.2 | 98.4 | 99.3 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 94.4 | 97.3 | 98.2 | 98.4 | 99.3 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 62.7 | 64.1 | 64.1 | 64.1 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| GE 20000 | 72.0 | 74.1 | 74.1 | 74.1 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 |
| GE 18000 | 72.6 | 74.7 | 74.7 | 74.7 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 |
| GE 16000 | 72.8 | 74.9 | 74.9 | 74.9 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 |
| GE 14000 | 74.3 | 76.4 | 76.4 | 76.4 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 |
| GE 12000 | 78.6 | 80.7 | 80.7 | 80.7 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 |
| GE 10000 | 81.9 | 84.1 | 84.1 | 84.1 | 84.3 | 84.4 | 84.4 | 84.4 | 84.4 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| GE 9000 | 83.8 | 86.1 | 86.2 | 86.2 | 86.4 | 86.6 | 86.6 | 86.6 | 86.6 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| GE 8000 | 85.8 | 88.2 | 88.3 | 88.3 | 88.6 | 88.7 | 88.7 | 88.7 | 88.7 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| GE 7000 | 86.7 | 89.1 | 89.2 | 89.2 | 89.4 | 89.6 | 89.6 | 89.6 | 89.6 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| GE 6000 | 87.9 | 90.4 | 90.6 | 90.6 | 90.8 | 90.9 | 90.9 | 90.9 | 90.9 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| GE 5000 | 89.9 | 92.4 | 92.6 | 92.6 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| GE 4500 | 91.7 | 94.2 | 94.4 | 94.4 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| GE 4000 | 92.7 | 95.3 | 95.7 | 95.7 | 95.9 | 96.0 | 96.0 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 3500 | 93.0 | 95.7 | 96.0 | 96.3 | 96.2 | 96.3 | 96.3 | 96.4 | 96.4 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| GE 3000 | 93.9 | 96.8 | 97.2 | 97.2 | 97.4 | 97.6 | 97.6 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 2500 | 94.1 | 97.0 | 97.4 | 97.4 | 97.7 | 97.8 | 97.8 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 2000 | 94.4 | 97.3 | 97.8 | 97.8 | 98.0 | 98.1 | 98.1 | 98.1 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 1800 | 94.6 | 97.4 | 97.9 | 97.9 | 98.1 | 98.2 | 98.2 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 1500 | 94.8 | 97.7 | 98.1 | 98.1 | 98.3 | 98.4 | 98.4 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 1200 | 94.8 | 97.7 | 98.1 | 98.1 | 98.3 | 98.4 | 98.4 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 1000 | 94.9 | 97.8 | 98.2 | 98.2 | 98.6 | 98.7 | 98.7 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 900 | 95.1 | 98.0 | 98.4 | 98.4 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 800 | 95.1 | 98.0 | 98.4 | 98.4 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 700 | 95.1 | 98.0 | 98.6 | 98.6 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 600 | 95.1 | 98.0 | 98.6 | 98.7 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 500 | 95.2 | 98.1 | 98.8 | 98.9 | 99.3 | 99.4 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 400 | 95.2 | 98.1 | 98.8 | 98.9 | 99.3 | 99.4 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 300 | 95.2 | 98.1 | 99.1 | 99.2 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 95.2 | 98.1 | 99.1 | 99.2 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 95.2 | 98.1 | 99.1 | 99.2 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 95.2 | 98.1 | 99.1 | 99.2 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|--------------------|-----------------------------|------|------|------|------|----------|------|----------|----------|-------|--------|--------|--------|---------|--------|-------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 59.1 | 60.2 | 60.3 | 60.4 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 |
| GE 20000 | 66.0 | 67.4 | 67.7 | 67.8 | 68.1 | 68.1 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 |
| GE 18000 | 66.0 | 67.4 | 67.7 | 67.8 | 68.1 | 68.1 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 |
| GE 16000 | 66.1 | 67.6 | 67.8 | 67.9 | 68.2 | 68.2 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 |
| GE 14000 | 67.7 | 69.1 | 69.3 | 69.6 | 69.9 | 69.9 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| GE 12000 | 71.1 | 72.7 | 72.9 | 73.1 | 73.4 | 73.4 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 |
| GE 10000 | 74.4 | 76.0 | 76.2 | 76.6 | 76.9 | 76.9 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 |
| GE 9000 | 76.3 | 78.0 | 78.2 | 78.5 | 78.9 | 79.0 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 |
| GE 8000 | 79.0 | 80.7 | 80.9 | 81.2 | 81.6 | 81.7 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| GE 7000 | 80.1 | 81.8 | 82.0 | 82.3 | 82.7 | 82.8 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 |
| GE 6000 | 81.6 | 83.3 | 83.6 | 83.9 | 84.2 | 84.3 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| GE 5000 | 84.0 | 85.9 | 86.1 | 86.4 | 86.8 | 86.9 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| GE 4500 | 86.0 | 87.9 | 88.1 | 88.4 | 88.8 | 88.9 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| GE 4000 | 89.7 | 91.7 | 91.9 | 92.2 | 92.6 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| GE 3500 | 91.1 | 93.1 | 93.3 | 93.7 | 94.0 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| GE 3000 | 92.7 | 94.9 | 95.1 | 95.4 | 95.8 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| GE 2500 | 93.2 | 95.7 | 95.9 | 96.2 | 96.6 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| GE 2000 | 93.9 | 96.6 | 96.8 | 97.2 | 97.6 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 1800 | 94.1 | 96.9 | 97.1 | 97.6 | 97.9 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 1500 | 94.3 | 97.1 | 97.3 | 97.8 | 98.1 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 1200 | 94.4 | 97.4 | 97.7 | 98.1 | 98.4 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 1000 | 94.7 | 97.9 | 98.1 | 98.6 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 900 | 94.7 | 97.9 | 98.1 | 98.6 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 800 | 94.9 | 98.1 | 98.3 | 98.8 | 99.1 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 700 | 94.9 | 98.2 | 98.4 | 98.9 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 600 | 94.9 | 98.2 | 98.6 | 99.1 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 500 | 94.9 | 98.2 | 98.6 | 99.1 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 400 | 94.9 | 98.2 | 98.6 | 99.1 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 300 | 94.9 | 98.2 | 98.6 | 99.1 | 99.6 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 94.9 | 98.2 | 98.6 | 99.1 | 99.6 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 94.9 | 98.2 | 98.6 | 99.1 | 99.6 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 94.9 | 98.2 | 98.6 | 99.1 | 99.6 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 75-84
 MONTH: SEP HOURS/EST: 0900-1100

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|-------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | 65.6 | 66.3 | 66.4 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 |
| GE 20000 | 71.7 | 72.6 | 72.7 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
| GE 18000 | 71.7 | 72.6 | 72.7 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
| GE 16000 | 71.9 | 72.8 | 72.9 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 |
| GE 14000 | 74.1 | 75.2 | 75.3 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 |
| GE 12000 | 77.3 | 78.4 | 78.6 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 |
| GE 10000 | 81.1 | 82.2 | 82.3 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| GE 9000 | 82.7 | 83.8 | 83.9 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 |
| GE 8000 | 85.9 | 87.1 | 87.2 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| GE 7000 | 87.9 | 89.3 | 89.6 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| GE 6000 | 89.3 | 90.8 | 91.0 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| GE 5000 | 90.2 | 91.7 | 91.9 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| GE 4500 | 90.4 | 91.9 | 92.1 | 92.4 | 92.4 | 92.4 | 92.4 | 92.6 | 92.6 | 92.6 | 92.6 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| GE 4000 | 91.3 | 92.8 | 93.0 | 93.3 | 93.3 | 93.3 | 93.3 | 93.4 | 93.4 | 93.4 | 93.4 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| GE 3500 | 91.6 | 93.0 | 93.2 | 93.6 | 93.6 | 93.6 | 93.6 | 93.7 | 93.7 | 93.7 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| GE 3000 | 92.0 | 93.6 | 93.9 | 94.2 | 94.2 | 94.2 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| GE 2500 | 92.6 | 94.6 | 95.0 | 95.3 | 95.3 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| GE 2000 | 92.6 | 94.6 | 95.0 | 95.3 | 95.3 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| GE 1800 | 92.7 | 94.7 | 95.1 | 95.4 | 95.4 | 95.4 | 95.4 | 95.6 | 95.6 | 95.6 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| GE 1500 | 92.7 | 95.0 | 95.4 | 95.8 | 95.8 | 95.8 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| GE 1200 | 92.9 | 95.3 | 95.8 | 96.1 | 96.1 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| GE 1000 | 93.3 | 96.0 | 96.4 | 96.8 | 96.8 | 96.8 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| GE 900 | 93.3 | 96.1 | 96.7 | 97.0 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 800 | 93.4 | 96.3 | 97.0 | 97.3 | 97.3 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 700 | 93.6 | 96.4 | 97.2 | 97.6 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 600 | 93.6 | 96.4 | 97.3 | 97.9 | 98.0 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 500 | 93.6 | 96.6 | 97.4 | 98.0 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 400 | 93.6 | 96.7 | 97.6 | 98.1 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 300 | 93.6 | 96.8 | 97.8 | 98.3 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 200 | 93.6 | 96.9 | 97.9 | 98.4 | 98.9 | 98.9 | 98.9 | 99.0 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 100 | 93.6 | 96.9 | 97.9 | 98.4 | 98.9 | 98.9 | 98.9 | 99.0 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 01 | 93.6 | 96.9 | 97.9 | 98.4 | 98.9 | 98.9 | 98.9 | 99.0 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 54.0 | 55.6 | 55.9 | 56.2 | 56.4 | 56.5 | 56.6 | 56.7 | 56.7 | 56.8 | 56.9 | 57.0 | 57.2 | 57.3 | 57.5 | 58.0 |
| GE 20000 | 60.1 | 61.8 | 62.1 | 62.4 | 62.7 | 62.7 | 62.9 | 62.9 | 63.0 | 63.1 | 63.3 | 63.3 | 63.5 | 63.6 | 63.8 | 64.3 |
| GE 18000 | 61.0 | 62.8 | 63.1 | 63.4 | 63.6 | 63.7 | 63.9 | 63.9 | 64.0 | 64.1 | 64.3 | 64.3 | 64.5 | 64.6 | 64.8 | 65.3 |
| GE 16000 | 61.2 | 63.0 | 63.3 | 63.6 | 63.8 | 63.9 | 64.0 | 64.1 | 64.1 | 64.3 | 64.4 | 64.5 | 64.7 | 64.8 | 65.0 | 65.5 |
| GE 14000 | 62.8 | 64.7 | 65.0 | 65.3 | 65.6 | 65.6 | 65.8 | 65.8 | 65.9 | 66.0 | 66.2 | 66.2 | 66.4 | 66.5 | 66.8 | 67.3 |
| GE 12000 | 67.0 | 69.0 | 69.3 | 69.6 | 69.9 | 69.9 | 70.1 | 70.2 | 70.2 | 70.4 | 70.5 | 70.6 | 70.8 | 70.8 | 71.1 | 71.6 |
| GE 10000 | 71.2 | 73.3 | 73.7 | 74.3 | 74.3 | 74.4 | 74.5 | 74.6 | 74.6 | 74.8 | 74.9 | 75.0 | 75.2 | 75.3 | 75.5 | 76.0 |
| GE 9000 | 72.8 | 75.0 | 75.3 | 75.7 | 76.0 | 76.1 | 76.3 | 76.3 | 76.4 | 76.5 | 76.7 | 76.7 | 76.9 | 77.0 | 77.2 | 77.7 |
| GE 8000 | 75.9 | 78.2 | 78.7 | 79.1 | 79.4 | 79.5 | 79.7 | 79.7 | 79.8 | 79.9 | 80.1 | 80.1 | 80.3 | 80.4 | 80.7 | 81.2 |
| GE 7000 | 79.0 | 81.5 | 82.0 | 82.4 | 82.8 | 82.8 | 83.0 | 83.1 | 83.1 | 83.3 | 83.5 | 83.5 | 83.7 | 83.8 | 84.1 | 84.6 |
| GE 6000 | 80.6 | 83.2 | 83.7 | 84.1 | 84.5 | 84.5 | 84.7 | 84.8 | 84.9 | 85.0 | 85.2 | 85.3 | 85.5 | 85.6 | 85.8 | 86.3 |
| GE 5000 | 82.4 | 85.2 | 85.7 | 86.1 | 86.5 | 86.5 | 86.7 | 86.8 | 86.9 | 87.0 | 87.2 | 87.3 | 87.5 | 87.6 | 87.8 | 88.3 |
| GE 4500 | 82.9 | 85.7 | 86.2 | 86.6 | 87.0 | 87.0 | 87.2 | 87.3 | 87.4 | 87.5 | 87.7 | 87.8 | 88.0 | 88.1 | 88.3 | 88.8 |
| GE 4000 | 83.6 | 86.5 | 87.1 | 87.5 | 87.8 | 87.9 | 88.1 | 88.2 | 88.2 | 88.4 | 88.6 | 88.6 | 88.8 | 88.9 | 89.2 | 89.7 |
| GE 3500 | 84.1 | 87.1 | 87.8 | 88.2 | 88.6 | 88.7 | 88.9 | 89.0 | 89.0 | 89.2 | 89.4 | 89.4 | 89.6 | 89.7 | 90.0 | 90.5 |
| GE 3000 | 85.1 | 88.3 | 89.0 | 89.5 | 89.9 | 90.0 | 90.2 | 90.4 | 90.4 | 90.6 | 90.8 | 90.8 | 91.0 | 91.1 | 91.4 | 91.9 |
| GE 2500 | 85.7 | 88.9 | 89.6 | 90.1 | 90.6 | 90.6 | 90.9 | 91.1 | 91.1 | 91.3 | 91.5 | 91.5 | 91.7 | 91.8 | 92.1 | 92.6 |
| GE 2000 | 86.2 | 89.6 | 90.3 | 90.8 | 91.3 | 91.4 | 91.7 | 91.8 | 91.9 | 92.1 | 92.2 | 92.3 | 92.5 | 92.6 | 92.8 | 93.3 |
| GE 1800 | 86.3 | 89.7 | 90.4 | 90.9 | 91.4 | 91.5 | 91.8 | 91.9 | 91.9 | 92.2 | 92.3 | 92.4 | 92.6 | 92.7 | 92.9 | 93.4 |
| GE 1500 | 86.6 | 90.2 | 90.9 | 91.5 | 92.0 | 92.1 | 92.4 | 92.5 | 92.6 | 92.8 | 93.0 | 93.0 | 93.2 | 93.3 | 93.6 | 94.1 |
| GE 1200 | 86.9 | 90.6 | 91.4 | 91.9 | 92.6 | 92.6 | 92.9 | 93.1 | 93.1 | 93.4 | 93.5 | 93.6 | 93.8 | 93.9 | 94.1 | 94.6 |
| GE 1000 | 87.3 | 91.2 | 92.0 | 92.6 | 93.3 | 93.4 | 93.7 | 93.9 | 94.0 | 94.2 | 94.4 | 94.4 | 94.7 | 94.8 | 95.0 | 95.5 |
| GE 900 | 87.4 | 91.3 | 92.2 | 92.8 | 93.5 | 93.6 | 93.9 | 94.1 | 94.2 | 94.4 | 94.6 | 94.7 | 94.9 | 95.0 | 95.3 | 95.8 |
| GE 800 | 87.7 | 91.7 | 92.6 | 93.3 | 94.1 | 94.2 | 94.5 | 94.7 | 94.7 | 95.0 | 95.2 | 95.3 | 95.5 | 95.6 | 95.8 | 96.4 |
| GE 700 | 87.8 | 91.9 | 92.9 | 93.5 | 94.3 | 94.4 | 94.7 | 94.9 | 95.0 | 95.2 | 95.5 | 95.5 | 95.8 | 95.8 | 96.1 | 96.7 |
| GE 600 | 87.9 | 92.2 | 93.1 | 93.8 | 94.7 | 94.7 | 95.1 | 95.3 | 95.4 | 95.6 | 95.9 | 95.9 | 96.2 | 96.3 | 96.5 | 97.1 |
| GE 500 | 88.0 | 92.4 | 93.4 | 94.1 | 95.1 | 95.1 | 95.4 | 95.7 | 95.8 | 96.1 | 96.4 | 96.4 | 96.7 | 96.8 | 97.0 | 97.6 |
| GE 400 | 88.1 | 92.6 | 93.5 | 94.4 | 95.4 | 95.5 | 95.9 | 96.2 | 96.3 | 96.6 | 96.9 | 97.0 | 97.2 | 97.3 | 97.7 | 98.3 |
| GE 300 | 88.1 | 92.7 | 93.7 | 94.5 | 95.6 | 95.7 | 96.1 | 96.4 | 96.5 | 96.9 | 97.3 | 97.3 | 97.6 | 97.8 | 98.2 | 98.9 |
| GE 200 | 88.1 | 92.7 | 93.7 | 94.6 | 95.7 | 95.8 | 96.2 | 96.5 | 96.7 | 97.1 | 97.4 | 97.5 | 97.8 | 98.0 | 98.6 | 99.0 |
| GE 100 | 88.1 | 92.7 | 93.7 | 94.6 | 95.7 | 95.8 | 96.2 | 96.6 | 96.7 | 97.1 | 97.5 | 97.6 | 97.9 | 98.1 | 98.7 | 99.4 |

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE J |
| NO CEIL | 34.6 | 35.7 | 36.0 | 36.8 | 37.1 | 37.1 | 37.1 | 37.7 | 37.7 | 38.3 | 39.3 | 39.6 | 40.0 | 40.2 | 41.8 | 42.6 |
| GE 2000 | 37.4 | 38.9 | 39.2 | 40.0 | 40.3 | 40.3 | 40.3 | 40.9 | 40.9 | 41.6 | 42.6 | 42.8 | 43.2 | 43.4 | 45.0 | 45.8 |
| GE 1800 | 38.4 | 39.9 | 40.2 | 41.0 | 41.3 | 41.3 | 41.3 | 41.9 | 41.9 | 42.6 | 43.6 | 43.8 | 44.2 | 44.4 | 46.0 | 46.8 |
| GE 1600 | 38.6 | 40.0 | 40.3 | 41.1 | 41.4 | 41.4 | 41.4 | 42.0 | 42.0 | 42.7 | 43.7 | 43.9 | 44.3 | 44.6 | 46.1 | 46.9 |
| GE 1400 | 39.3 | 40.8 | 41.1 | 41.9 | 42.2 | 42.2 | 42.2 | 42.8 | 42.8 | 43.4 | 44.4 | 44.7 | 45.1 | 45.3 | 46.9 | 47.7 |
| GE 1200 | 42.4 | 43.9 | 44.2 | 45.0 | 45.3 | 45.3 | 45.3 | 45.9 | 45.9 | 46.6 | 47.6 | 47.8 | 48.2 | 48.4 | 50.0 | 50.8 |
| GE 1000 | 45.2 | 46.9 | 47.2 | 48.1 | 48.4 | 48.4 | 48.6 | 49.1 | 49.1 | 49.8 | 50.9 | 51.1 | 51.6 | 51.8 | 53.3 | 54.1 |
| GE 900 | 46.4 | 48.2 | 48.6 | 49.4 | 49.9 | 49.9 | 50.0 | 50.6 | 50.6 | 51.2 | 52.4 | 52.7 | 53.1 | 53.3 | 54.9 | 55.7 |
| GE 800 | 49.8 | 51.6 | 51.9 | 52.8 | 53.2 | 53.2 | 53.3 | 53.9 | 53.9 | 54.7 | 55.9 | 56.1 | 56.6 | 56.8 | 58.4 | 59.2 |
| GE 700 | 53.7 | 55.6 | 55.9 | 56.8 | 57.2 | 57.2 | 57.3 | 57.9 | 57.9 | 58.9 | 60.2 | 60.4 | 60.9 | 61.1 | 62.8 | 63.6 |
| GE 600 | 54.8 | 57.0 | 57.3 | 58.2 | 58.7 | 58.7 | 58.8 | 59.3 | 59.3 | 60.3 | 61.7 | 61.9 | 62.3 | 62.6 | 64.2 | 65.0 |
| GE 500 | 57.9 | 60.4 | 60.8 | 61.7 | 62.1 | 62.1 | 62.2 | 62.8 | 62.8 | 63.8 | 65.1 | 65.3 | 65.8 | 66.0 | 67.7 | 68.4 |
| GE 450 | 58.7 | 61.4 | 61.8 | 62.7 | 63.1 | 63.1 | 63.2 | 63.8 | 63.8 | 64.8 | 66.1 | 66.3 | 66.8 | 67.0 | 68.7 | 69.4 |
| GE 400 | 59.1 | 62.2 | 62.6 | 63.7 | 64.3 | 64.3 | 64.6 | 65.1 | 65.1 | 66.1 | 67.4 | 67.7 | 68.1 | 68.3 | 70.0 | 70.8 |
| GE 350 | 59.9 | 63.1 | 63.6 | 64.7 | 65.4 | 65.4 | 65.7 | 66.2 | 66.2 | 67.2 | 68.6 | 68.8 | 69.2 | 69.4 | 71.1 | 71.9 |
| GE 300 | 62.0 | 65.3 | 66.0 | 67.0 | 67.9 | 67.9 | 68.1 | 68.7 | 68.7 | 69.8 | 71.1 | 71.3 | 71.9 | 72.1 | 73.9 | 74.7 |
| GE 250 | 63.3 | 67.3 | 68.1 | 69.3 | 70.7 | 70.7 | 70.9 | 71.4 | 71.4 | 72.6 | 73.9 | 74.1 | 74.7 | 74.9 | 76.7 | 77.4 |
| GE 200 | 64.0 | 68.4 | 69.2 | 70.6 | 71.9 | 71.9 | 72.1 | 72.7 | 72.7 | 73.8 | 75.1 | 75.3 | 75.9 | 76.1 | 77.9 | 78.7 |
| GE 180 | 64.3 | 68.9 | 69.7 | 71.0 | 72.3 | 72.3 | 72.6 | 73.1 | 73.1 | 74.2 | 75.6 | 75.8 | 76.3 | 76.6 | 78.3 | 79.1 |
| GE 150 | 65.3 | 70.3 | 71.1 | 72.6 | 73.9 | 73.9 | 74.1 | 74.7 | 74.7 | 75.8 | 77.1 | 77.4 | 78.0 | 78.2 | 80.0 | 80.8 |
| GE 120 | 65.6 | 70.9 | 71.8 | 73.2 | 74.6 | 74.6 | 74.9 | 75.4 | 75.4 | 76.6 | 77.9 | 78.2 | 78.8 | 79.0 | 80.8 | 81.6 |
| GE 100 | 66.0 | 71.4 | 72.7 | 74.1 | 75.4 | 75.4 | 75.9 | 76.4 | 76.4 | 77.8 | 79.1 | 79.4 | 80.0 | 80.2 | 82.0 | 82.8 |
| GE 90 | 66.4 | 71.9 | 73.3 | 74.9 | 76.2 | 76.2 | 76.7 | 77.2 | 77.2 | 78.6 | 79.9 | 80.2 | 80.8 | 81.0 | 82.8 | 83.6 |
| GE 80 | 66.9 | 72.3 | 73.8 | 75.3 | 76.7 | 76.7 | 77.1 | 77.8 | 77.8 | 79.1 | 80.4 | 80.8 | 81.3 | 81.6 | 83.3 | 84.1 |
| GE 70 | 67.1 | 72.9 | 74.4 | 76.0 | 77.3 | 77.3 | 77.8 | 78.4 | 78.4 | 79.8 | 81.1 | 81.4 | 82.0 | 82.2 | 84.0 | 84.8 |
| GE 60 | 67.7 | 73.8 | 75.3 | 77.0 | 78.3 | 78.3 | 78.6 | 79.0 | 79.7 | 81.1 | 82.4 | 82.8 | 83.3 | 83.6 | 85.3 | 86.1 |
| GE 50 | 68.1 | 74.4 | 76.0 | 77.7 | 79.4 | 79.4 | 80.1 | 81.2 | 81.3 | 82.8 | 84.1 | 84.4 | 85.1 | 85.4 | 87.2 | 88.0 |
| GE 40 | 68.7 | 75.8 | 77.3 | 79.2 | 81.6 | 81.6 | 82.2 | 83.8 | 84.0 | 85.6 | 87.0 | 87.4 | 88.1 | 88.4 | 90.2 | 91.0 |
| GE 30 | 69.0 | 76.6 | 78.2 | 80.2 | 82.7 | 82.9 | 83.4 | 85.4 | 85.8 | 88.1 | 89.8 | 90.3 | 91.0 | 91.4 | 93.4 | 94.9 |
| GE 20 | 69.0 | 76.6 | 78.2 | 80.2 | 82.7 | 83.0 | 83.8 | 86.2 | 86.6 | 89.3 | 91.0 | 91.6 | 92.4 | 93.1 | 95.7 | 98.1 |
| GE 10 | 69.0 | 76.7 | 78.3 | 80.3 | 82.8 | 83.1 | 83.9 | 86.4 | 86.8 | 89.7 | 91.3 | 92.0 | 92.9 | 93.6 | 96.6 | 99.7 |
| GE 0 | 69.0 | 76.7 | 78.3 | 80.3 | 82.8 | 83.1 | 83.9 | 86.4 | 86.8 | 89.7 | 91.3 | 92.0 | 92.9 | 93.6 | 96.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 29.2 | 30.0 | 30.2 | 30.4 | 31.1 | 31.2 | 31.6 | 32.0 | 32.2 | 32.7 | 33.1 | 33.1 | 33.6 | 33.9 | 34.9 | 35.8 |
| GE 20000 | 31.6 | 32.6 | 32.8 | 33.3 | 33.7 | 33.8 | 34.1 | 34.6 | 34.8 | 35.2 | 35.7 | 35.7 | 36.2 | 36.6 | 37.6 | 38.4 |
| GE 18000 | 32.4 | 33.4 | 33.7 | 33.9 | 34.6 | 34.7 | 35.0 | 35.4 | 35.7 | 36.1 | 36.6 | 36.6 | 37.1 | 37.4 | 38.4 | 39.3 |
| GE 16000 | 32.8 | 33.8 | 34.0 | 34.2 | 34.9 | 35.0 | 35.3 | 35.8 | 36.0 | 36.4 | 36.9 | 36.9 | 37.4 | 37.8 | 38.8 | 39.7 |
| GE 14000 | 33.1 | 34.1 | 34.3 | 34.6 | 35.2 | 35.3 | 35.7 | 36.1 | 36.3 | 36.8 | 37.2 | 37.2 | 37.8 | 38.1 | 39.1 | 40.0 |
| GE 12000 | 35.8 | 36.8 | 37.0 | 37.2 | 37.9 | 38.0 | 38.3 | 38.8 | 39.0 | 39.4 | 39.9 | 39.9 | 40.4 | 40.8 | 41.8 | 42.7 |
| GE 10000 | 38.4 | 39.4 | 39.7 | 39.9 | 40.6 | 40.7 | 41.0 | 41.4 | 41.7 | 42.1 | 42.6 | 42.6 | 43.1 | 43.4 | 44.4 | 45.3 |
| GE 9000 | 39.8 | 40.9 | 41.1 | 41.3 | 42.0 | 42.1 | 42.4 | 42.9 | 43.1 | 43.6 | 44.2 | 44.2 | 44.8 | 45.1 | 46.1 | 47.0 |
| GE 8000 | 43.0 | 44.3 | 44.6 | 44.8 | 45.4 | 45.6 | 45.9 | 46.3 | 46.6 | 47.0 | 47.7 | 47.7 | 48.2 | 48.6 | 49.6 | 50.4 |
| GE 7000 | 46.8 | 48.2 | 48.6 | 48.8 | 49.4 | 49.6 | 49.9 | 50.3 | 50.6 | 51.1 | 52.1 | 52.1 | 52.7 | 53.0 | 54.0 | 54.9 |
| GE 6000 | 48.3 | 49.8 | 50.2 | 50.4 | 51.1 | 51.2 | 51.6 | 52.0 | 52.2 | 52.8 | 53.9 | 53.9 | 54.4 | 54.8 | 55.8 | 56.7 |
| GE 5000 | 50.0 | 52.1 | 52.6 | 52.8 | 53.4 | 53.6 | 53.9 | 54.3 | 54.6 | 55.2 | 56.3 | 56.4 | 57.0 | 57.3 | 58.3 | 59.2 |
| GE 4500 | 50.9 | 51.2 | 53.8 | 54.2 | 54.7 | 54.8 | 55.1 | 55.6 | 55.8 | 56.4 | 57.6 | 57.7 | 58.2 | 58.6 | 59.6 | 60.4 |
| GE 4000 | 52.2 | 54.9 | 55.6 | 55.8 | 56.4 | 56.6 | 57.0 | 57.4 | 57.7 | 58.4 | 59.6 | 59.7 | 60.2 | 60.6 | 61.6 | 62.4 |
| GE 3500 | 53.6 | 56.3 | 57.1 | 57.3 | 58.0 | 58.1 | 58.7 | 59.1 | 59.3 | 60.1 | 61.2 | 61.3 | 61.9 | 62.2 | 63.2 | 64.1 |
| GE 3000 | 54.9 | 58.0 | 58.9 | 59.3 | 60.0 | 60.1 | 60.7 | 61.1 | 61.3 | 62.1 | 63.2 | 63.3 | 63.9 | 64.2 | 65.2 | 66.1 |
| GE 2500 | 55.8 | 59.4 | 60.3 | 60.9 | 61.6 | 61.7 | 62.2 | 62.7 | 62.9 | 63.7 | 64.8 | 64.9 | 65.4 | 65.8 | 66.8 | 67.7 |
| GE 2000 | 56.8 | 60.6 | 61.7 | 62.3 | 63.0 | 63.1 | 63.7 | 64.1 | 64.3 | 65.1 | 66.2 | 66.3 | 66.9 | 67.2 | 68.2 | 69.1 |
| GE 1800 | 57.0 | 60.8 | 61.9 | 62.5 | 63.2 | 63.3 | 63.9 | 64.3 | 64.6 | 65.3 | 66.4 | 66.6 | 67.1 | 67.4 | 68.4 | 69.3 |
| GE 1500 | 57.6 | 61.7 | 63.1 | 63.8 | 64.4 | 64.6 | 65.1 | 65.7 | 65.9 | 66.9 | 68.0 | 68.1 | 68.7 | 69.0 | 70.0 | 70.9 |
| GE 1200 | 57.8 | 62.1 | 63.7 | 64.3 | 65.1 | 65.3 | 65.9 | 66.4 | 66.7 | 67.7 | 68.9 | 69.0 | 69.6 | 69.9 | 70.9 | 71.8 |
| GE 1000 | 58.0 | 63.0 | 64.6 | 65.2 | 66.0 | 66.2 | 67.0 | 67.6 | 67.8 | 68.8 | 70.0 | 70.1 | 70.7 | 71.0 | 72.0 | 72.9 |
| GE 900 | 58.4 | 63.9 | 65.4 | 66.1 | 66.9 | 67.1 | 68.0 | 68.6 | 68.8 | 69.8 | 71.0 | 71.1 | 71.7 | 72.0 | 73.0 | 73.9 |
| GE 800 | 59.3 | 65.6 | 67.3 | 68.0 | 68.9 | 69.1 | 70.0 | 70.6 | 70.8 | 71.8 | 73.0 | 73.1 | 73.7 | 74.0 | 75.0 | 75.9 |
| GE 700 | 59.4 | 65.9 | 67.7 | 68.3 | 69.7 | 69.9 | 70.8 | 71.3 | 71.6 | 72.6 | 73.8 | 73.9 | 74.4 | 74.8 | 75.8 | 76.7 |
| GE 600 | 60.6 | 67.4 | 69.4 | 70.1 | 71.6 | 71.8 | 72.8 | 73.6 | 73.9 | 75.0 | 76.2 | 76.3 | 76.9 | 77.2 | 78.2 | 79.4 |
| GE 500 | 61.4 | 68.8 | 70.8 | 71.6 | 73.1 | 73.3 | 74.4 | 75.4 | 75.8 | 77.6 | 79.2 | 79.3 | 80.0 | 80.3 | 81.3 | 82.7 |
| GE 400 | 62.0 | 69.7 | 71.7 | 72.4 | 74.2 | 74.4 | 75.8 | 77.1 | 77.4 | 79.9 | 82.0 | 82.1 | 83.0 | 83.3 | 84.4 | 85.9 |
| GE 300 | 62.4 | 70.4 | 72.4 | 73.6 | 75.9 | 76.3 | 77.9 | 79.9 | 80.2 | 83.2 | 85.7 | 85.8 | 87.0 | 88.0 | 89.4 | 91.7 |
| GE 200 | 62.4 | 70.6 | 72.6 | 73.8 | 76.3 | 76.8 | 78.4 | 81.6 | 82.0 | 85.1 | 87.7 | 87.8 | 89.2 | 90.6 | 93.0 | 97.3 |
| GE 100 | 62.4 | 70.6 | 72.6 | 73.8 | 76.3 | 76.8 | 78.4 | 81.6 | 82.0 | 85.1 | 87.7 | 87.8 | 89.3 | 90.7 | 94.1 | 99.9 |
| GE 0 | 62.4 | 70.6 | 72.6 | 73.8 | 76.3 | 76.8 | 78.4 | 81.6 | 82.0 | 85.1 | 87.7 | 87.8 | 89.3 | 90.7 | 94.1 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 75-84
 MONTH: NOV HOURS(LST): 0600-0800

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 24.6 | 25.6 | 26.0 | 26.3 | 27.0 | 27.1 | 27.6 | 27.8 | 27.8 | 28.2 | 28.2 | 28.2 | 29.0 | 29.0 | 30.1 | 31.2 |
| GE 20000 | 27.8 | 28.9 | 29.4 | 29.8 | 30.4 | 30.6 | 31.0 | 31.3 | 31.3 | 31.8 | 31.9 | 31.9 | 32.7 | 32.7 | 34.0 | 35.3 |
| GE 18000 | 28.7 | 29.8 | 30.3 | 30.7 | 31.3 | 31.4 | 31.9 | 32.2 | 32.2 | 32.7 | 32.8 | 32.8 | 33.6 | 33.6 | 34.9 | 36.2 |
| GE 16000 | 29.0 | 30.1 | 30.7 | 31.1 | 31.8 | 31.9 | 32.3 | 32.7 | 32.7 | 33.1 | 33.2 | 33.2 | 34.0 | 34.0 | 35.3 | 36.7 |
| GE 14000 | 29.9 | 31.0 | 31.6 | 32.0 | 32.7 | 32.8 | 33.2 | 33.6 | 33.6 | 34.0 | 34.1 | 34.1 | 34.9 | 34.9 | 36.2 | 37.6 |
| GE 12000 | 32.9 | 34.0 | 34.6 | 35.0 | 35.7 | 35.8 | 36.2 | 36.6 | 36.6 | 37.0 | 37.1 | 37.1 | 37.9 | 37.9 | 39.2 | 40.6 |
| GE 10000 | 34.4 | 35.6 | 36.2 | 36.7 | 37.3 | 37.6 | 38.0 | 38.4 | 38.4 | 39.0 | 39.1 | 39.1 | 39.9 | 39.9 | 41.2 | 42.6 |
| GE 9000 | 36.2 | 37.3 | 38.0 | 38.4 | 39.1 | 39.3 | 39.8 | 40.2 | 40.2 | 40.8 | 41.0 | 41.0 | 41.8 | 41.8 | 43.1 | 44.4 |
| GE 8000 | 38.4 | 39.6 | 40.2 | 40.7 | 41.3 | 41.6 | 42.0 | 42.4 | 42.4 | 43.0 | 43.2 | 43.2 | 44.0 | 44.0 | 45.3 | 46.7 |
| GE 7000 | 41.3 | 42.8 | 43.4 | 43.9 | 44.6 | 44.8 | 45.2 | 45.8 | 45.9 | 46.4 | 46.7 | 46.7 | 47.4 | 47.4 | 48.8 | 50.1 |
| GE 6000 | 42.1 | 43.7 | 44.3 | 44.8 | 45.6 | 45.8 | 46.2 | 46.8 | 46.9 | 47.4 | 47.7 | 47.7 | 48.4 | 48.4 | 49.8 | 51.1 |
| GE 5000 | 44.2 | 46.2 | 46.9 | 47.3 | 48.1 | 48.3 | 48.8 | 49.3 | 49.4 | 50.0 | 50.2 | 50.2 | 51.1 | 51.1 | 52.4 | 53.8 |
| GE 4500 | 45.6 | 47.6 | 48.2 | 48.7 | 49.6 | 49.8 | 50.2 | 50.8 | 50.9 | 51.4 | 51.7 | 51.7 | 52.6 | 52.6 | 53.9 | 55.2 |
| GE 4000 | 46.7 | 48.9 | 49.7 | 50.2 | 51.1 | 51.3 | 51.8 | 52.3 | 52.4 | 53.1 | 53.3 | 53.3 | 54.3 | 54.3 | 55.7 | 57.0 |
| GE 3500 | 47.8 | 50.3 | 51.1 | 51.7 | 52.8 | 53.0 | 53.6 | 54.1 | 54.2 | 54.9 | 55.1 | 55.1 | 56.1 | 56.1 | 57.4 | 58.8 |
| GE 3000 | 49.0 | 52.0 | 52.8 | 53.3 | 54.8 | 55.0 | 55.6 | 56.1 | 56.3 | 57.0 | 57.3 | 57.3 | 58.3 | 58.3 | 59.7 | 61.0 |
| GE 2500 | 49.4 | 53.1 | 53.9 | 54.4 | 56.0 | 56.2 | 56.8 | 57.3 | 57.6 | 58.2 | 58.6 | 58.6 | 59.6 | 59.7 | 61.0 | 62.3 |
| GE 2000 | 50.2 | 54.3 | 55.1 | 55.7 | 57.2 | 57.4 | 58.0 | 58.6 | 58.8 | 59.4 | 59.9 | 59.9 | 60.9 | 61.0 | 62.3 | 63.7 |
| GE 1800 | 50.3 | 54.8 | 55.6 | 56.2 | 57.8 | 58.0 | 58.6 | 59.1 | 59.3 | 60.0 | 60.4 | 60.4 | 61.4 | 61.6 | 62.9 | 64.2 |
| GE 1500 | 50.7 | 55.2 | 56.4 | 57.2 | 59.0 | 59.2 | 59.9 | 60.4 | 60.7 | 61.4 | 61.9 | 61.9 | 63.0 | 63.1 | 64.4 | 65.8 |
| GE 1200 | 51.1 | 56.1 | 57.4 | 58.7 | 60.7 | 60.9 | 61.7 | 62.3 | 62.6 | 63.4 | 63.9 | 63.9 | 65.0 | 65.1 | 66.4 | 67.8 |
| GE 1000 | 51.3 | 56.7 | 58.1 | 59.3 | 61.3 | 61.6 | 62.3 | 63.1 | 63.3 | 64.2 | 64.8 | 64.8 | 65.9 | 66.0 | 67.3 | 68.7 |
| GE 900 | 51.8 | 57.3 | 58.8 | 60.0 | 62.2 | 62.4 | 63.2 | 64.0 | 64.2 | 65.1 | 65.7 | 65.7 | 66.8 | 66.9 | 68.2 | 69.6 |
| GE 800 | 52.9 | 58.6 | 60.1 | 61.3 | 63.6 | 63.8 | 64.6 | 65.3 | 65.6 | 66.4 | 67.0 | 67.0 | 68.1 | 68.2 | 69.6 | 70.9 |
| GE 700 | 53.6 | 59.4 | 61.1 | 62.3 | 64.8 | 65.0 | 65.9 | 66.7 | 66.9 | 67.8 | 68.3 | 68.3 | 69.4 | 69.7 | 71.0 | 72.3 |
| GE 600 | 54.3 | 60.9 | 62.7 | 64.0 | 66.9 | 67.2 | 68.1 | 69.0 | 69.2 | 70.2 | 70.9 | 70.9 | 72.0 | 72.2 | 73.6 | 75.0 |
| GE 500 | 54.9 | 62.2 | 64.1 | 65.4 | 68.4 | 68.8 | 69.7 | 70.9 | 71.1 | 73.1 | 74.0 | 74.0 | 75.3 | 75.6 | 77.0 | 78.6 |
| GE 400 | 55.4 | 63.3 | 65.6 | 67.1 | 70.3 | 70.8 | 71.8 | 73.2 | 73.7 | 76.3 | 77.3 | 77.3 | 78.8 | 79.2 | 81.1 | 82.9 |
| GE 300 | 55.4 | 64.0 | 66.7 | 68.7 | 72.8 | 73.2 | 74.8 | 77.0 | 77.4 | 81.2 | 83.1 | 83.1 | 85.0 | 86.0 | 88.8 | 91.4 |
| GE 200 | 55.4 | 64.2 | 67.1 | 69.1 | 73.3 | 73.8 | 75.3 | 78.2 | 78.7 | 83.3 | 85.7 | 85.8 | 88.1 | 89.7 | 93.4 | 98.0 |
| GE 100 | 55.4 | 64.2 | 67.1 | 69.1 | 73.3 | 73.8 | 75.3 | 78.3 | 78.8 | 83.6 | 86.0 | 86.1 | 88.6 | 90.3 | 94.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 23.5 | 25.4 | 26.2 | 26.4 | 26.6 | 26.8 | 27.1 | 27.2 | 27.2 | 27.7 | 28.0 | 28.0 | 28.0 | 28.1 | 28.7 | 28.9 |
| GE 20000 | 28.7 | 31.6 | 32.4 | 32.7 | 33.3 | 33.3 | 33.7 | 33.8 | 33.8 | 34.2 | 34.6 | 34.6 | 34.7 | 34.8 | 35.4 | 35.9 |
| GE 18000 | 29.2 | 32.1 | 33.0 | 33.2 | 33.9 | 33.9 | 34.2 | 34.3 | 34.3 | 34.8 | 35.1 | 35.1 | 35.2 | 35.3 | 36.0 | 36.4 |
| GE 16000 | 29.4 | 32.3 | 33.2 | 33.4 | 34.1 | 34.1 | 34.4 | 34.6 | 34.6 | 35.0 | 35.3 | 35.3 | 35.4 | 35.6 | 36.2 | 36.7 |
| GE 14000 | 30.2 | 33.1 | 34.0 | 34.2 | 34.9 | 34.9 | 35.2 | 35.3 | 35.3 | 35.8 | 36.1 | 36.1 | 36.2 | 36.3 | 37.0 | 37.4 |
| GE 12000 | 32.9 | 36.1 | 37.0 | 37.2 | 37.9 | 37.9 | 38.2 | 38.3 | 38.3 | 38.8 | 39.1 | 39.1 | 39.2 | 39.3 | 40.0 | 40.4 |
| GE 10000 | 35.6 | 39.1 | 40.0 | 40.2 | 41.0 | 41.0 | 41.3 | 41.4 | 41.6 | 42.0 | 42.3 | 42.3 | 42.4 | 42.6 | 43.2 | 43.8 |
| GE 9000 | 36.6 | 40.2 | 41.1 | 41.3 | 42.1 | 42.1 | 42.4 | 42.6 | 42.7 | 43.1 | 43.4 | 43.4 | 43.6 | 43.7 | 44.3 | 44.9 |
| GE 8000 | 39.6 | 43.2 | 44.1 | 44.3 | 45.3 | 45.3 | 45.8 | 45.9 | 46.0 | 46.4 | 46.8 | 46.8 | 46.9 | 47.0 | 47.7 | 48.2 |
| GE 7000 | 43.3 | 47.2 | 48.1 | 48.3 | 49.3 | 49.3 | 49.8 | 49.9 | 50.0 | 50.6 | 50.9 | 50.9 | 51.0 | 51.1 | 51.8 | 52.3 |
| GE 6000 | 44.8 | 48.8 | 49.7 | 49.9 | 51.1 | 51.1 | 51.6 | 51.7 | 51.8 | 52.3 | 52.7 | 52.7 | 52.8 | 52.9 | 53.6 | 54.1 |
| GE 5000 | 46.9 | 51.4 | 52.3 | 52.6 | 53.8 | 53.8 | 54.2 | 54.4 | 54.6 | 55.1 | 55.4 | 55.4 | 55.6 | 55.7 | 56.3 | 56.9 |
| GE 4500 | 47.3 | 52.1 | 53.1 | 53.3 | 54.6 | 54.6 | 55.0 | 55.2 | 55.3 | 55.9 | 56.2 | 56.2 | 56.3 | 56.4 | 57.1 | 57.7 |
| GE 4000 | 49.3 | 54.3 | 55.3 | 55.6 | 56.8 | 56.8 | 57.2 | 57.4 | 57.6 | 58.1 | 58.4 | 58.4 | 58.6 | 58.7 | 59.3 | 59.9 |
| GE 3500 | 50.1 | 55.1 | 56.1 | 56.7 | 57.9 | 57.9 | 58.3 | 58.6 | 58.7 | 59.2 | 59.6 | 59.6 | 59.7 | 59.8 | 60.4 | 61.0 |
| GE 3000 | 50.8 | 56.0 | 57.1 | 57.3 | 59.6 | 59.6 | 60.0 | 60.2 | 60.3 | 61.1 | 61.4 | 61.4 | 61.6 | 61.7 | 62.3 | 62.9 |
| GE 2500 | 51.1 | 56.9 | 58.1 | 59.3 | 60.7 | 60.7 | 61.1 | 61.3 | 61.4 | 62.2 | 62.6 | 62.6 | 62.7 | 62.8 | 63.4 | 64.0 |
| GE 2000 | 51.7 | 57.7 | 59.0 | 60.3 | 61.7 | 61.7 | 62.1 | 62.3 | 62.4 | 63.2 | 63.6 | 63.6 | 63.7 | 63.8 | 64.4 | 65.0 |
| GE 1800 | 52.1 | 58.1 | 59.4 | 60.4 | 62.1 | 62.1 | 62.6 | 62.8 | 62.9 | 63.7 | 64.0 | 64.0 | 64.1 | 64.2 | 64.9 | 65.4 |
| GE 1500 | 53.0 | 59.7 | 61.0 | 62.2 | 63.9 | 63.9 | 64.3 | 64.6 | 64.7 | 65.4 | 65.8 | 65.8 | 65.9 | 66.0 | 66.7 | 67.2 |
| GE 1200 | 54.2 | 61.4 | 62.9 | 64.2 | 66.1 | 66.1 | 66.8 | 67.0 | 67.1 | 67.9 | 68.2 | 68.2 | 68.3 | 68.4 | 69.1 | 69.7 |
| GE 1000 | 54.8 | 62.7 | 64.1 | 65.4 | 67.6 | 67.6 | 68.2 | 68.6 | 68.7 | 69.4 | 69.8 | 69.8 | 69.9 | 70.0 | 70.8 | 71.3 |
| GE 900 | 55.6 | 64.0 | 65.4 | 66.9 | 69.0 | 69.0 | 69.7 | 70.0 | 70.1 | 70.9 | 71.2 | 71.2 | 71.3 | 71.4 | 72.2 | 72.8 |
| GE 800 | 56.8 | 65.8 | 67.6 | 69.3 | 71.4 | 71.4 | 72.1 | 72.4 | 72.6 | 73.6 | 73.9 | 73.9 | 74.0 | 74.1 | 74.9 | 75.4 |
| GE 700 | 58.0 | 67.2 | 69.2 | 70.8 | 73.4 | 73.6 | 74.3 | 74.8 | 74.9 | 76.1 | 76.4 | 76.4 | 76.6 | 76.7 | 77.4 | 78.0 |
| GE 600 | 58.8 | 68.7 | 70.8 | 72.4 | 75.2 | 75.3 | 76.3 | 76.8 | 76.9 | 78.2 | 78.6 | 79.6 | 78.7 | 78.8 | 79.6 | 80.1 |
| GE 500 | 59.1 | 69.8 | 71.9 | 74.1 | 77.6 | 77.7 | 79.2 | 79.8 | 79.9 | 82.0 | 82.4 | 82.4 | 82.7 | 83.0 | 83.8 | 84.3 |
| GE 400 | 59.7 | 70.7 | 73.2 | 75.8 | 79.7 | 80.0 | 82.0 | 82.8 | 83.0 | 85.6 | 86.1 | 86.1 | 86.4 | 87.0 | 87.8 | 88.4 |
| GE 300 | 59.7 | 71.7 | 74.8 | 77.4 | 82.1 | 82.8 | 85.3 | 86.6 | 87.1 | 91.0 | 91.9 | 91.9 | 92.7 | 93.2 | 94.4 | 95.7 |
| GE 200 | 59.7 | 71.7 | 74.8 | 77.4 | 82.3 | 83.1 | 85.7 | 87.0 | 87.8 | 92.1 | 93.9 | 93.9 | 95.1 | 95.9 | 97.8 | 99.4 |
| GE 100 | 59.7 | 71.7 | 74.8 | 77.4 | 82.3 | 83.1 | 85.7 | 87.0 | 87.8 | 92.2 | 94.0 | 94.0 | 95.2 | 96.1 | 98.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 24.6 | 27.2 | 27.7 | 28.3 | 28.7 | 28.7 | 28.8 | 28.9 | 29.0 | 29.0 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.2 |
| GE 20000 | 30.6 | 33.9 | 34.3 | 34.8 | 35.4 | 35.4 | 35.6 | 35.7 | 35.8 | 35.8 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 36.0 |
| GE 18000 | 30.8 | 34.1 | 34.6 | 35.0 | 35.7 | 35.7 | 35.8 | 35.9 | 36.0 | 36.0 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.2 |
| GE 16000 | 31.2 | 34.6 | 35.0 | 35.4 | 36.1 | 36.1 | 36.2 | 36.3 | 36.4 | 36.4 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.7 |
| GE 14000 | 32.8 | 36.1 | 36.6 | 37.0 | 37.7 | 37.7 | 37.8 | 37.9 | 38.1 | 38.2 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.4 |
| GE 12000 | 35.3 | 39.0 | 39.4 | 39.9 | 40.6 | 40.6 | 40.7 | 40.8 | 41.0 | 41.1 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.3 |
| GE 10000 | 39.4 | 43.6 | 44.0 | 44.4 | 45.1 | 45.2 | 45.3 | 45.4 | 45.7 | 45.9 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.1 |
| GE 9000 | 41.1 | 45.8 | 46.2 | 46.7 | 47.3 | 47.4 | 47.6 | 47.7 | 47.9 | 48.1 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.3 |
| GE 8000 | 43.9 | 48.9 | 49.3 | 49.9 | 50.8 | 50.9 | 51.0 | 51.1 | 51.3 | 51.6 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.8 |
| GE 7000 | 46.7 | 51.8 | 52.2 | 52.9 | 53.8 | 53.9 | 54.0 | 54.1 | 54.3 | 54.6 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.8 |
| GE 6000 | 48.3 | 53.6 | 54.0 | 54.8 | 55.7 | 55.8 | 55.9 | 56.0 | 56.2 | 56.4 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 |
| GE 5000 | 50.6 | 56.3 | 56.8 | 57.6 | 58.4 | 58.6 | 58.7 | 58.8 | 59.0 | 59.2 | 59.3 | 59.3 | 59.4 | 59.4 | 59.4 | 59.6 |
| GE 4500 | 51.2 | 57.1 | 57.6 | 58.3 | 59.2 | 59.3 | 59.4 | 59.6 | 59.8 | 60.0 | 60.1 | 60.1 | 60.2 | 60.2 | 60.2 | 60.3 |
| GE 4000 | 52.9 | 59.1 | 59.6 | 60.6 | 61.4 | 61.6 | 61.7 | 61.8 | 62.0 | 62.2 | 62.3 | 62.3 | 62.4 | 62.4 | 62.4 | 62.6 |
| GE 3500 | 55.2 | 61.6 | 62.0 | 63.0 | 64.0 | 64.1 | 64.2 | 64.3 | 64.7 | 64.9 | 65.0 | 65.0 | 65.1 | 65.1 | 65.1 | 65.2 |
| GE 3000 | 57.8 | 64.6 | 65.1 | 66.3 | 67.4 | 67.6 | 67.7 | 67.8 | 68.1 | 68.3 | 68.4 | 68.4 | 68.6 | 68.6 | 68.6 | 68.7 |
| GE 2500 | 59.4 | 67.4 | 68.1 | 69.3 | 70.4 | 70.6 | 70.8 | 70.9 | 71.2 | 71.4 | 71.6 | 71.6 | 71.7 | 71.7 | 71.7 | 71.8 |
| GE 2000 | 60.1 | 68.6 | 69.2 | 70.6 | 71.7 | 71.8 | 72.1 | 72.2 | 72.6 | 72.8 | 72.9 | 72.9 | 73.0 | 73.0 | 73.0 | 73.1 |
| GE 1800 | 61.3 | 69.9 | 70.6 | 71.9 | 73.0 | 73.1 | 73.4 | 73.6 | 73.9 | 74.1 | 74.2 | 74.2 | 74.3 | 74.3 | 74.3 | 74.4 |
| GE 1600 | 63.2 | 72.8 | 73.6 | 74.9 | 76.0 | 76.1 | 76.6 | 76.7 | 77.0 | 77.2 | 77.3 | 77.3 | 77.4 | 77.4 | 77.4 | 77.6 |
| GE 1200 | 65.3 | 76.2 | 77.1 | 78.4 | 79.9 | 80.1 | 80.6 | 80.7 | 81.0 | 81.2 | 81.3 | 81.3 | 81.4 | 81.4 | 81.4 | 81.6 |
| GE 1000 | 66.3 | 78.7 | 80.0 | 81.4 | 83.0 | 83.2 | 83.7 | 83.8 | 84.2 | 84.4 | 84.6 | 84.6 | 84.7 | 84.7 | 84.7 | 84.8 |
| GE 900 | 66.4 | 79.3 | 80.8 | 82.4 | 84.0 | 84.2 | 84.7 | 84.8 | 85.2 | 85.4 | 85.6 | 85.6 | 85.7 | 85.7 | 85.7 | 85.8 |
| GE 800 | 66.8 | 79.9 | 81.4 | 83.2 | 84.9 | 85.2 | 85.8 | 86.0 | 86.4 | 86.7 | 86.9 | 86.9 | 87.0 | 87.0 | 87.0 | 87.1 |
| GE 700 | 67.0 | 80.6 | 82.2 | 84.0 | 85.9 | 86.2 | 86.9 | 87.1 | 87.6 | 87.8 | 88.0 | 88.0 | 88.1 | 88.1 | 88.1 | 88.2 |
| GE 600 | 67.4 | 81.7 | 83.6 | 85.3 | 87.3 | 87.8 | 88.7 | 88.9 | 89.3 | 89.8 | 90.0 | 90.0 | 90.2 | 90.3 | 90.3 | 90.4 |
| GE 500 | 67.8 | 82.4 | 84.4 | 86.4 | 89.0 | 89.6 | 90.7 | 90.9 | 91.3 | 92.1 | 92.4 | 92.4 | 92.7 | 92.9 | 93.0 | 93.1 |
| GE 400 | 67.9 | 82.6 | 84.8 | 87.0 | 90.4 | 91.0 | 92.4 | 92.8 | 93.2 | 94.1 | 94.4 | 94.4 | 94.7 | 94.9 | 95.1 | 95.2 |
| GE 300 | 67.9 | 82.8 | 85.3 | 87.7 | 91.3 | 92.0 | 93.6 | 94.1 | 94.9 | 95.9 | 96.3 | 96.3 | 96.8 | 97.1 | 97.7 | 97.8 |
| GE 200 | 67.9 | 82.8 | 85.3 | 87.7 | 91.3 | 92.1 | 93.7 | 94.3 | 95.1 | 96.7 | 97.4 | 97.6 | 98.4 | 98.8 | 99.6 | 99.8 |
| GE 100 | 67.9 | 82.8 | 85.3 | 87.7 | 91.3 | 92.1 | 93.7 | 94.3 | 95.1 | 96.7 | 97.4 | 97.6 | 98.6 | 98.9 | 99.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
 USAF/LTAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|-------|-------|--|
| | 10 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 0 | | |
| NO CEIL | 30.9 | 32.1 | 32.1 | 32.2 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.6 | 32.6 | 32.6 | 32.6 | 32.7 | 32.8 | |
| GE 20000 | 37.1 | 38.8 | 38.9 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.4 | 39.4 | 39.4 | 39.4 | 39.6 | 39.7 | 39.7 | |
| GE 18000 | 38.0 | 39.8 | 39.9 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.4 | 40.4 | 40.4 | 40.4 | 40.6 | 40.7 | 40.7 | |
| GE 16000 | 38.6 | 40.3 | 40.4 | 40.6 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 41.0 | 41.0 | 41.0 | 41.0 | 41.1 | 41.2 | 41.2 | |
| GE 14000 | 40.4 | 42.3 | 42.4 | 42.7 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.1 | 43.1 | 43.1 | 43.1 | 43.2 | 43.3 | 43.3 | |
| GE 12000 | 44.4 | 46.6 | 46.7 | 46.9 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.3 | 47.3 | 47.3 | 47.3 | 47.4 | 47.6 | 47.6 | |
| GE 10000 | 48.3 | 50.4 | 50.6 | 50.8 | 51.1 | 51.1 | 51.1 | 51.4 | 51.6 | 51.6 | 51.7 | 51.7 | 51.7 | 51.7 | 51.8 | 51.9 | 51.9 | |
| GE 9000 | 50.1 | 52.6 | 52.7 | 52.9 | 53.2 | 53.2 | 53.2 | 53.6 | 53.7 | 53.7 | 53.8 | 53.8 | 53.8 | 53.8 | 53.9 | 54.0 | 54.0 | |
| GE 8000 | 52.9 | 55.7 | 55.8 | 56.3 | 56.3 | 56.4 | 56.4 | 56.8 | 57.0 | 57.0 | 57.1 | 57.1 | 57.1 | 57.1 | 57.2 | 57.3 | 57.3 | |
| GE 7000 | 56.0 | 58.8 | 58.9 | 59.1 | 59.4 | 59.6 | 59.6 | 59.9 | 60.1 | 60.1 | 60.2 | 60.2 | 60.2 | 60.2 | 60.3 | 60.4 | 60.4 | |
| GE 6000 | 57.4 | 60.4 | 60.6 | 61.3 | 61.3 | 61.4 | 61.4 | 61.8 | 62.0 | 62.0 | 62.1 | 62.1 | 62.1 | 62.1 | 62.2 | 62.3 | 62.3 | |
| GE 5000 | 59.0 | 62.6 | 62.7 | 63.1 | 63.4 | 63.6 | 63.6 | 63.9 | 64.1 | 64.1 | 64.2 | 64.2 | 64.2 | 64.2 | 64.3 | 64.4 | 64.4 | |
| GE 4500 | 60.3 | 63.9 | 64.1 | 64.6 | 65.0 | 65.2 | 65.2 | 65.6 | 65.8 | 65.8 | 65.9 | 65.9 | 65.9 | 65.9 | 66.0 | 66.1 | 66.1 | |
| GE 4000 | 62.4 | 66.1 | 66.3 | 66.9 | 67.3 | 67.6 | 67.6 | 67.9 | 68.1 | 68.1 | 68.2 | 68.2 | 68.2 | 68.2 | 68.3 | 68.4 | 68.4 | |
| GE 3500 | 64.0 | 67.8 | 68.0 | 68.4 | 69.0 | 69.3 | 69.3 | 69.7 | 69.9 | 69.9 | 70.0 | 70.0 | 70.0 | 70.0 | 70.1 | 70.2 | 70.2 | |
| GE 3000 | 65.8 | 70.0 | 70.7 | 71.1 | 72.1 | 72.4 | 72.4 | 72.8 | 73.0 | 73.0 | 73.1 | 73.1 | 73.1 | 73.1 | 73.2 | 73.3 | 73.3 | |
| GE 2500 | 67.3 | 72.0 | 72.7 | 73.2 | 74.3 | 74.7 | 74.7 | 75.0 | 75.2 | 75.2 | 75.3 | 75.3 | 75.3 | 75.3 | 75.4 | 75.6 | 75.6 | |
| GE 2000 | 68.6 | 73.4 | 74.1 | 74.7 | 75.9 | 76.2 | 76.2 | 76.6 | 76.8 | 76.8 | 76.9 | 76.9 | 76.9 | 76.9 | 77.0 | 77.1 | 77.1 | |
| GE 1800 | 69.8 | 74.8 | 75.4 | 76.0 | 77.3 | 77.7 | 77.7 | 78.1 | 78.3 | 78.3 | 78.4 | 78.4 | 78.4 | 78.4 | 78.6 | 78.7 | 78.7 | |
| GE 1500 | 71.2 | 76.7 | 77.3 | 77.9 | 79.4 | 79.8 | 79.9 | 80.4 | 80.7 | 80.7 | 80.8 | 80.8 | 80.8 | 80.8 | 80.9 | 81.0 | 81.0 | |
| GE 1200 | 72.4 | 78.4 | 79.6 | 80.1 | 81.9 | 82.2 | 82.3 | 82.9 | 83.1 | 83.1 | 83.2 | 83.2 | 83.2 | 83.2 | 83.3 | 83.4 | 83.4 | |
| GE 1000 | 72.8 | 80.1 | 81.4 | 82.2 | 84.2 | 84.6 | 84.8 | 85.3 | 85.6 | 85.7 | 85.8 | 85.8 | 85.8 | 85.8 | 85.9 | 86.0 | 86.0 | |
| GE 900 | 73.0 | 80.4 | 82.0 | 82.8 | 84.8 | 85.1 | 85.3 | 85.9 | 86.1 | 86.2 | 86.3 | 86.3 | 86.3 | 86.3 | 86.4 | 86.6 | 86.6 | |
| GE 800 | 73.3 | 81.7 | 83.4 | 84.3 | 86.6 | 86.9 | 87.4 | 88.0 | 88.2 | 88.6 | 88.7 | 88.7 | 88.7 | 88.7 | 88.8 | 88.9 | 88.9 | |
| GE 700 | 73.3 | 82.3 | 84.2 | 85.1 | 87.3 | 87.7 | 88.2 | 88.8 | 89.0 | 89.3 | 89.4 | 89.4 | 89.4 | 89.4 | 89.6 | 89.7 | 89.7 | |
| GE 600 | 73.7 | 82.9 | 85.2 | 86.2 | 88.7 | 89.0 | 89.9 | 90.4 | 90.8 | 91.1 | 91.3 | 91.4 | 91.6 | 91.6 | 91.7 | 91.8 | 91.8 | |
| GE 500 | 73.9 | 83.2 | 85.7 | 86.7 | 89.3 | 89.7 | 90.7 | 91.4 | 91.8 | 92.2 | 92.4 | 92.7 | 92.8 | 92.8 | 92.9 | 93.0 | 93.0 | |
| GE 400 | 74.0 | 83.8 | 86.3 | 87.4 | 90.8 | 91.1 | 92.2 | 93.4 | 93.8 | 94.2 | 94.4 | 94.7 | 95.1 | 95.1 | 95.2 | 95.3 | 95.3 | |
| GE 300 | 74.1 | 84.0 | 86.7 | 87.8 | 91.2 | 91.6 | 92.9 | 94.1 | 94.7 | 95.4 | 96.1 | 96.3 | 96.8 | 96.8 | 97.0 | 97.2 | 97.2 | |
| GE 200 | 74.1 | 84.0 | 86.8 | 88.3 | 91.7 | 92.0 | 93.3 | 94.6 | 95.1 | 96.0 | 97.0 | 97.3 | 98.8 | 98.8 | 99.2 | 99.8 | 99.8 | |
| GE 100 | 74.1 | 84.0 | 86.8 | 88.3 | 91.7 | 92.0 | 93.3 | 94.6 | 95.1 | 96.0 | 97.0 | 97.3 | 98.8 | 98.8 | 99.2 | 100.0 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|----------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | OF 0 |
| NO CEIL | 38.4 | 39.8 | 39.8 | 40.2 | 40.3 | 40.4 | 40.6 | 40.8 | 40.9 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.2 | 41.2 |
| GE 20000 | 43.3 | 44.7 | 44.7 | 45.1 | 45.2 | 45.3 | 45.5 | 45.7 | 45.8 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 46.1 | 46.1 |
| GE 18000 | 43.8 | 45.3 | 45.3 | 45.5 | 45.7 | 45.8 | 46.1 | 46.3 | 46.4 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.6 | 46.6 |
| GE 16000 | 44.4 | 45.8 | 45.8 | 46.2 | 46.3 | 46.4 | 46.6 | 46.8 | 46.9 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.2 | 47.2 |
| GE 14000 | 45.6 | 47.2 | 47.2 | 47.5 | 47.6 | 47.7 | 47.9 | 48.2 | 48.3 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.5 | 48.5 |
| GE 12000 | 49.2 | 50.7 | 50.7 | 51.1 | 51.2 | 51.3 | 51.5 | 51.7 | 51.8 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 52.1 | 52.1 |
| GE 10000 | 52.8 | 54.6 | 54.6 | 54.9 | 55.3 | 55.4 | 55.6 | 56.0 | 56.1 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.3 | 56.3 |
| GE 9000 | 54.5 | 56.3 | 56.3 | 56.6 | 57.0 | 57.1 | 57.3 | 57.6 | 57.7 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 58.0 | 58.0 |
| GE 8000 | 56.8 | 58.8 | 58.8 | 59.2 | 59.8 | 60.0 | 60.2 | 60.6 | 60.7 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 61.0 | 61.0 |
| GE 7000 | 59.2 | 61.2 | 61.2 | 61.5 | 62.2 | 62.3 | 62.5 | 63.2 | 63.3 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.5 | 63.5 |
| GE 6000 | 60.6 | 62.8 | 62.8 | 63.2 | 63.8 | 64.0 | 64.2 | 64.8 | 65.0 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.2 | 65.2 |
| GE 5000 | 62.5 | 65.2 | 65.2 | 65.5 | 66.2 | 66.3 | 66.5 | 67.2 | 67.3 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.5 | 67.5 |
| GE 4500 | 63.6 | 66.3 | 66.3 | 66.6 | 67.4 | 67.5 | 67.7 | 68.4 | 68.5 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.7 | 68.7 |
| GE 4000 | 65.7 | 68.6 | 68.6 | 69.3 | 70.0 | 70.2 | 70.4 | 71.1 | 71.2 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.4 | 71.4 |
| GE 3500 | 67.0 | 69.9 | 70.2 | 70.9 | 71.5 | 71.7 | 72.0 | 72.6 | 72.7 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 73.0 | 73.0 |
| GE 3000 | 68.2 | 71.5 | 72.1 | 72.7 | 73.4 | 73.6 | 74.0 | 74.6 | 74.7 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 75.0 | 75.0 |
| GE 2500 | 69.0 | 72.9 | 73.6 | 74.4 | 75.4 | 75.6 | 76.0 | 76.6 | 76.8 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 77.0 | 77.0 |
| GE 2000 | 70.0 | 74.6 | 75.4 | 76.2 | 77.2 | 77.4 | 77.8 | 78.5 | 78.6 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.9 | 78.9 |
| GE 1800 | 70.0 | 74.9 | 75.6 | 76.4 | 77.4 | 77.6 | 78.0 | 78.8 | 78.9 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.1 | 79.1 |
| GE 1500 | 70.5 | 76.1 | 77.0 | 77.8 | 78.8 | 79.0 | 79.3 | 80.1 | 80.2 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.4 | 80.4 |
| GE 1200 | 71.5 | 77.2 | 78.4 | 79.2 | 80.4 | 80.6 | 81.2 | 82.0 | 82.3 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.6 | 82.6 |
| GE 1000 | 72.5 | 78.8 | 80.0 | 81.0 | 82.1 | 82.5 | 83.2 | 84.0 | 84.3 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.6 | 84.6 |
| GE 900 | 72.9 | 79.3 | 80.5 | 81.5 | 82.9 | 83.1 | 83.8 | 84.6 | 85.0 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.3 | 85.3 |
| GE 800 | 73.3 | 80.6 | 82.1 | 83.1 | 84.4 | 84.6 | 85.3 | 86.2 | 86.5 | 86.7 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 87.0 | 87.0 |
| GE 700 | 73.5 | 81.1 | 82.5 | 83.5 | 84.9 | 85.1 | 85.9 | 86.8 | 87.1 | 87.3 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.7 | 87.7 |
| GE 600 | 73.6 | 81.9 | 83.4 | 84.6 | 86.0 | 86.2 | 87.2 | 88.3 | 88.7 | 89.0 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.3 | 89.3 |
| GE 500 | 74.0 | 82.4 | 84.0 | 85.2 | 86.5 | 86.8 | 87.8 | 89.4 | 90.0 | 90.3 | 90.4 | 90.4 | 90.4 | 90.4 | 90.5 | 90.8 | 90.8 |
| GE 400 | 74.4 | 83.2 | 84.9 | 86.1 | 87.4 | 87.7 | 88.8 | 90.5 | 91.3 | 92.1 | 92.2 | 92.2 | 92.2 | 92.2 | 92.4 | 92.8 | 92.8 |
| GE 300 | 74.5 | 83.5 | 85.2 | 86.7 | 88.2 | 88.5 | 90.2 | 92.4 | 93.3 | 94.5 | 95.0 | 95.1 | 95.1 | 95.1 | 95.4 | 95.8 | 95.8 |
| GE 200 | 74.6 | 83.8 | 85.4 | 87.3 | 88.9 | 89.2 | 91.0 | 93.4 | 94.3 | 95.9 | 96.8 | 97.0 | 97.0 | 97.0 | 97.9 | 98.6 | 98.7 |
| GE 100 | 74.6 | 83.8 | 85.5 | 87.1 | 89.0 | 89.3 | 91.2 | 93.8 | 94.7 | 96.2 | 97.2 | 97.4 | 97.4 | 98.2 | 98.6 | 99.2 | 100.0 |
| GE 0 | 74.6 | 83.8 | 85.5 | 87.1 | 89.0 | 89.3 | 91.2 | 93.8 | 94.7 | 96.2 | 97.2 | 97.4 | 97.4 | 98.2 | 98.6 | 99.2 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 75-84
MONTH: NOV HOURS(151): 2100-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 37.0 | 38.6 | 39.0 | 39.1 | 39.4 | 39.7 | 39.9 | 40.4 | 40.4 | 40.9 | 41.4 | 41.4 | 42.1 | 42.2 | 42.8 | 43.0 |
| GE 20000 | 40.8 | 42.4 | 42.9 | 43.0 | 43.3 | 43.6 | 43.8 | 44.3 | 44.3 | 44.9 | 45.4 | 45.4 | 46.1 | 46.2 | 46.8 | 47.0 |
| GE 18000 | 41.9 | 43.6 | 44.0 | 44.1 | 44.4 | 44.7 | 44.9 | 45.4 | 45.4 | 46.0 | 46.6 | 46.6 | 47.2 | 47.3 | 47.9 | 48.1 |
| GE 16000 | 42.0 | 43.7 | 44.1 | 44.2 | 44.6 | 44.8 | 45.0 | 45.6 | 45.6 | 46.1 | 46.7 | 46.7 | 47.3 | 47.4 | 48.0 | 48.2 |
| GE 14000 | 42.9 | 44.6 | 45.1 | 45.2 | 45.6 | 45.8 | 46.1 | 46.7 | 46.7 | 47.2 | 47.8 | 47.8 | 48.4 | 48.6 | 49.1 | 49.3 |
| GE 12000 | 45.2 | 46.9 | 47.4 | 47.5 | 47.9 | 48.1 | 48.4 | 49.0 | 49.0 | 49.6 | 50.1 | 50.1 | 50.8 | 50.9 | 51.4 | 51.7 |
| GE 10000 | 49.0 | 50.7 | 51.2 | 51.3 | 51.9 | 52.1 | 52.4 | 53.0 | 53.0 | 53.6 | 54.1 | 54.1 | 54.8 | 54.9 | 55.4 | 55.7 |
| GE 9000 | 50.1 | 51.8 | 52.3 | 52.4 | 53.0 | 53.2 | 53.6 | 54.1 | 54.1 | 54.7 | 55.2 | 55.2 | 55.9 | 56.0 | 56.6 | 56.8 |
| GE 8000 | 53.2 | 54.9 | 55.4 | 55.6 | 56.1 | 56.3 | 56.7 | 57.4 | 57.4 | 58.1 | 58.7 | 58.7 | 59.3 | 59.4 | 60.0 | 60.2 |
| GE 7000 | 56.6 | 58.2 | 58.8 | 59.3 | 59.7 | 60.0 | 60.4 | 61.2 | 61.2 | 61.9 | 62.4 | 62.4 | 63.1 | 63.2 | 63.8 | 64.0 |
| GE 6000 | 56.9 | 59.3 | 59.9 | 60.1 | 60.8 | 61.1 | 61.6 | 62.3 | 62.3 | 63.0 | 63.6 | 63.6 | 64.2 | 64.3 | 64.9 | 65.1 |
| GE 5000 | 59.6 | 62.7 | 63.2 | 63.4 | 64.1 | 64.4 | 64.9 | 65.7 | 65.7 | 66.3 | 66.9 | 66.9 | 67.6 | 67.7 | 68.3 | 68.6 |
| GE 4500 | 61.1 | 64.6 | 65.3 | 65.5 | 66.2 | 66.6 | 67.0 | 67.8 | 67.8 | 68.4 | 69.0 | 69.0 | 69.7 | 69.8 | 70.4 | 70.7 |
| GE 4000 | 62.4 | 66.1 | 67.0 | 67.3 | 68.0 | 68.3 | 68.8 | 69.6 | 69.6 | 70.2 | 70.8 | 70.8 | 71.4 | 71.6 | 72.2 | 72.4 |
| GE 3500 | 63.8 | 67.4 | 68.6 | 69.0 | 69.8 | 70.1 | 70.6 | 71.3 | 71.3 | 72.0 | 72.6 | 72.6 | 73.2 | 73.3 | 74.0 | 74.2 |
| GE 3000 | 65.2 | 69.0 | 70.1 | 70.6 | 71.3 | 71.7 | 72.1 | 72.9 | 72.9 | 73.7 | 74.2 | 74.3 | 75.0 | 75.1 | 75.9 | 76.1 |
| GE 2500 | 65.6 | 69.7 | 71.0 | 71.7 | 72.4 | 72.8 | 73.2 | 74.0 | 74.0 | 74.8 | 75.3 | 75.4 | 76.1 | 76.2 | 77.0 | 77.2 |
| GE 2000 | 66.4 | 71.0 | 72.4 | 73.1 | 73.9 | 74.2 | 74.7 | 75.6 | 75.6 | 76.3 | 76.9 | 77.0 | 77.7 | 77.8 | 78.6 | 78.8 |
| GE 1800 | 67.1 | 71.8 | 73.4 | 74.1 | 74.9 | 75.2 | 75.7 | 76.6 | 76.6 | 77.3 | 77.9 | 78.0 | 78.7 | 78.8 | 79.6 | 79.8 |
| GE 1500 | 67.7 | 72.9 | 74.6 | 75.2 | 76.0 | 76.3 | 76.8 | 77.7 | 77.7 | 78.6 | 79.1 | 79.2 | 79.9 | 80.0 | 80.8 | 81.0 |
| GE 1200 | 68.2 | 74.1 | 76.1 | 76.3 | 77.6 | 77.9 | 78.3 | 79.2 | 79.2 | 80.2 | 80.8 | 80.9 | 81.6 | 81.7 | 82.4 | 82.7 |
| GE 1000 | 68.8 | 75.0 | 77.0 | 77.7 | 78.4 | 78.8 | 79.3 | 80.3 | 80.4 | 81.4 | 82.0 | 82.1 | 82.8 | 82.9 | 83.7 | 83.9 |
| GE 900 | 69.1 | 75.4 | 77.4 | 78.1 | 78.9 | 79.2 | 79.9 | 80.9 | 81.0 | 82.0 | 82.6 | 82.7 | 83.3 | 83.4 | 84.2 | 84.4 |
| GE 800 | 69.4 | 75.9 | 78.0 | 78.7 | 79.6 | 79.9 | 80.8 | 81.8 | 81.9 | 82.9 | 83.4 | 83.6 | 84.2 | 84.3 | 85.1 | 85.3 |
| GE 700 | 69.7 | 76.3 | 78.4 | 79.1 | 80.1 | 80.4 | 81.4 | 82.6 | 82.7 | 83.7 | 84.2 | 84.3 | 85.0 | 85.1 | 85.9 | 86.1 |
| GE 600 | 69.9 | 76.8 | 78.9 | 79.6 | 80.6 | 81.0 | 82.2 | 83.7 | 83.8 | 84.8 | 85.3 | 85.6 | 86.2 | 86.3 | 87.1 | 87.3 |
| GE 500 | 70.4 | 77.6 | 79.8 | 80.4 | 81.4 | 81.9 | 83.1 | 85.0 | 85.1 | 86.1 | 86.7 | 86.4 | 87.6 | 87.7 | 88.4 | 88.6 |
| GE 400 | 70.8 | 78.0 | 80.2 | 81.1 | 82.2 | 82.8 | 84.2 | 86.2 | 86.4 | 87.4 | 88.0 | 88.2 | 88.9 | 89.0 | 89.8 | 90.1 |
| GE 300 | 71.0 | 79.4 | 82.0 | 83.0 | 84.7 | 85.2 | 86.8 | 88.8 | 89.2 | 90.7 | 91.8 | 92.1 | 92.8 | 93.0 | 94.0 | 94.6 |
| GE 200 | 71.3 | 80.0 | 82.6 | 83.8 | 85.6 | 86.2 | 87.8 | 90.2 | 90.7 | 92.2 | 94.0 | 94.3 | 95.6 | 96.0 | 97.1 | 98.1 |
| GE 100 | 71.3 | 80.0 | 82.6 | 83.3 | 85.6 | 86.2 | 87.8 | 90.2 | 90.7 | 92.2 | 94.0 | 94.6 | 95.8 | 96.4 | 97.9 | 99.9 |
| GE 0 | 71.3 | 80.0 | 82.6 | 83.8 | 85.6 | 86.2 | 87.8 | 90.2 | 90.7 | 92.2 | 94.0 | 94.6 | 95.8 | 96.4 | 97.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|-------|---|--|
| | 10 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 0 | 0 | |
| NO CELL | 30.3 | 31.8 | 32.1 | 32.4 | 32.9 | 32.9 | 33.1 | 33.4 | 33.5 | 33.8 | 34.1 | 34.1 | 34.4 | 34.5 | 35.1 | 35.6 | | |
| GE 20000 | 34.6 | 36.5 | 36.8 | 37.2 | 37.6 | 37.7 | 37.9 | 38.2 | 38.3 | 38.6 | 38.9 | 38.9 | 39.3 | 39.4 | 40.0 | 40.5 | | |
| GE 18000 | 35.4 | 37.2 | 37.6 | 37.9 | 38.4 | 38.5 | 38.7 | 39.0 | 39.0 | 39.4 | 39.7 | 39.7 | 40.0 | 40.1 | 40.4 | 40.5 | | |
| GE 16000 | 35.7 | 37.6 | 37.9 | 38.3 | 38.8 | 38.8 | 39.0 | 39.3 | 39.4 | 39.7 | 40.0 | 40.1 | 40.4 | 40.5 | 41.2 | 41.6 | | |
| GE 14000 | 36.8 | 38.6 | 39.0 | 39.4 | 39.9 | 39.9 | 40.1 | 40.4 | 40.5 | 40.9 | 41.2 | 41.2 | 41.5 | 41.6 | 42.3 | 42.5 | | |
| GE 12000 | 39.8 | 41.7 | 42.1 | 42.5 | 43.0 | 43.0 | 43.2 | 43.5 | 43.6 | 44.0 | 44.3 | 44.3 | 44.6 | 44.7 | 45.4 | 45.9 | | |
| GE 10000 | 42.9 | 45.0 | 45.4 | 45.8 | 46.3 | 46.4 | 46.7 | 47.0 | 47.1 | 47.5 | 47.9 | 47.9 | 48.2 | 48.3 | 49.0 | 49.5 | | |
| GE 9000 | 44.4 | 46.6 | 47.0 | 47.4 | 48.0 | 48.0 | 48.3 | 48.6 | 48.7 | 49.1 | 49.5 | 49.5 | 49.9 | 50.0 | 50.0 | 51.1 | | |
| GE 8000 | 47.2 | 49.6 | 50.0 | 50.4 | 51.0 | 51.2 | 51.4 | 51.8 | 51.9 | 52.3 | 52.7 | 52.8 | 53.1 | 53.2 | 53.9 | 54.4 | | |
| GE 7000 | 50.4 | 53.0 | 53.4 | 53.8 | 54.5 | 54.6 | 54.8 | 55.3 | 55.4 | 55.9 | 56.3 | 56.4 | 56.7 | 56.8 | 57.5 | 58.0 | | |
| GE 6000 | 51.7 | 54.4 | 54.9 | 55.3 | 56.0 | 56.1 | 56.4 | 56.8 | 57.0 | 57.4 | 57.9 | 57.9 | 58.2 | 58.3 | 59.0 | 59.5 | | |
| GE 5000 | 53.8 | 57.1 | 57.5 | 58.3 | 58.7 | 58.8 | 59.1 | 59.5 | 59.7 | 60.1 | 60.6 | 60.7 | 61.0 | 61.1 | 61.8 | 62.3 | | |
| GE 4500 | 54.8 | 58.3 | 58.8 | 59.2 | 60.0 | 60.1 | 60.4 | 60.8 | 61.0 | 61.4 | 61.9 | 61.9 | 62.3 | 62.4 | 63.1 | 63.6 | | |
| GE 4000 | 56.4 | 60.0 | 60.6 | 61.1 | 61.9 | 62.1 | 62.4 | 62.8 | 63.0 | 63.5 | 63.9 | 64.0 | 64.3 | 64.4 | 65.1 | 65.6 | | |
| GE 3500 | 57.7 | 61.4 | 62.1 | 62.7 | 63.6 | 63.7 | 64.0 | 64.5 | 64.6 | 65.1 | 65.6 | 65.6 | 66.0 | 66.1 | 66.8 | 67.3 | | |
| GE 3000 | 59.2 | 63.3 | 64.1 | 64.8 | 65.8 | 66.0 | 66.3 | 66.8 | 66.9 | 67.5 | 68.0 | 68.0 | 68.4 | 68.5 | 69.2 | 69.7 | | |
| GE 2500 | 60.1 | 64.8 | 65.7 | 66.5 | 67.7 | 67.9 | 68.2 | 68.7 | 68.8 | 69.4 | 69.9 | 69.9 | 70.3 | 70.4 | 71.1 | 71.6 | | |
| GE 2000 | 61.0 | 66.1 | 67.0 | 67.9 | 69.1 | 69.2 | 69.6 | 70.1 | 70.2 | 70.8 | 71.3 | 71.3 | 71.7 | 71.8 | 72.5 | 73.0 | | |
| GE 1800 | 61.5 | 66.7 | 67.7 | 68.6 | 69.8 | 69.9 | 70.3 | 70.8 | 70.9 | 71.5 | 72.0 | 72.1 | 72.4 | 72.5 | 73.3 | 73.8 | | |
| GE 1500 | 62.4 | 68.2 | 69.3 | 70.2 | 71.4 | 71.6 | 72.0 | 72.5 | 72.7 | 73.3 | 73.8 | 73.9 | 74.2 | 74.4 | 75.1 | 75.6 | | |
| GE 1200 | 63.3 | 69.6 | 70.9 | 71.9 | 73.3 | 73.5 | 74.0 | 74.5 | 74.7 | 75.3 | 75.8 | 75.9 | 76.3 | 76.4 | 77.1 | 77.6 | | |
| GE 1000 | 63.8 | 70.8 | 72.2 | 73.3 | 74.8 | 75.0 | 75.6 | 76.1 | 76.3 | 77.0 | 77.6 | 77.6 | 78.0 | 78.1 | 78.9 | 79.4 | | |
| GE 900 | 64.2 | 71.5 | 73.0 | 74.1 | 75.6 | 75.8 | 76.4 | 77.0 | 77.2 | 77.9 | 78.4 | 78.5 | 78.9 | 79.0 | 79.7 | 80.2 | | |
| GE 800 | 64.8 | 72.5 | 74.2 | 75.4 | 77.0 | 77.2 | 77.9 | 78.5 | 78.7 | 79.5 | 80.0 | 80.1 | 80.5 | 80.6 | 81.3 | 81.8 | | |
| GE 700 | 65.2 | 73.2 | 75.0 | 76.1 | 77.9 | 78.1 | 78.9 | 79.6 | 79.8 | 80.5 | 81.1 | 81.2 | 81.6 | 81.7 | 82.4 | 82.9 | | |
| GE 600 | 65.7 | 74.2 | 76.2 | 77.4 | 79.3 | 79.6 | 80.5 | 81.3 | 81.5 | 82.4 | 83.0 | 83.1 | 83.5 | 83.6 | 84.4 | 84.9 | | |
| GE 500 | 66.2 | 75.1 | 77.1 | 78.4 | 80.6 | 80.9 | 82.0 | 83.0 | 83.3 | 84.5 | 85.2 | 85.3 | 85.8 | 86.0 | 86.8 | 87.4 | | |
| GE 400 | 66.6 | 75.9 | 78.0 | 79.5 | 82.1 | 82.4 | 83.7 | 85.0 | 85.4 | 86.9 | 87.7 | 87.8 | 88.4 | 88.7 | 89.6 | 90.2 | | |
| GE 300 | 66.8 | 76.6 | 78.9 | 80.6 | 83.6 | 84.1 | 85.6 | 87.3 | 87.8 | 90.0 | 91.2 | 91.4 | 92.2 | 92.6 | 93.8 | 94.9 | | |
| GE 200 | 66.8 | 76.7 | 79.1 | 80.9 | 84.0 | 84.5 | 86.1 | 88.2 | 88.8 | 91.3 | 92.9 | 93.2 | 94.4 | 95.1 | 96.8 | 98.7 | | |
| GE 100 | 66.8 | 76.7 | 79.1 | 80.9 | 84.0 | 84.6 | 86.2 | 88.3 | 88.9 | 91.5 | 93.1 | 93.3 | 94.7 | 95.4 | 97.4 | 99.9 | | |
| GE 0 | 66.8 | 76.7 | 79.1 | 80.9 | 84.0 | 84.6 | 86.2 | 88.3 | 88.9 | 91.5 | 93.1 | 93.3 | 94.7 | 95.4 | 97.4 | 100.0 | | |

TOTAL NUMBER OF OBSERVATIONS: 7199

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|------|------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|----|
| | 1 | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE |
| | 1 | 10 | 0 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 0 |
| NO CEIL | 26.9 | 28.4 | 28.7 | 29.5 | 30.1 | 30.1 | 30.4 | 30.8 | 31.0 | 31.6 | 32.0 | 32.0 | 32.8 | 33.0 | 33.1 | 33.6 | |
| GE 20000 | 29.9 | 31.4 | 31.7 | 32.5 | 33.1 | 33.1 | 33.4 | 33.8 | 34.0 | 34.8 | 35.1 | 35.1 | 35.8 | 36.0 | 36.1 | 36.6 | |
| GE 18000 | 29.9 | 31.4 | 31.7 | 32.5 | 33.1 | 33.1 | 33.4 | 33.8 | 34.0 | 34.8 | 35.1 | 35.1 | 35.8 | 36.0 | 36.1 | 36.6 | |
| GE 16000 | 29.9 | 31.4 | 31.7 | 32.5 | 33.1 | 33.1 | 33.4 | 33.8 | 34.0 | 34.8 | 35.1 | 35.1 | 35.8 | 36.0 | 36.1 | 36.6 | |
| GE 14000 | 30.4 | 31.9 | 32.3 | 33.0 | 33.7 | 33.7 | 34.0 | 34.3 | 34.5 | 35.4 | 35.6 | 35.6 | 36.3 | 36.6 | 36.6 | 37.1 | |
| GE 12000 | 32.3 | 33.8 | 34.1 | 34.8 | 35.5 | 35.5 | 35.8 | 36.1 | 36.3 | 37.2 | 37.4 | 37.4 | 38.2 | 38.4 | 38.4 | 38.9 | |
| GE 10000 | 34.8 | 36.5 | 36.8 | 37.5 | 38.2 | 38.2 | 38.5 | 38.8 | 39.0 | 39.9 | 40.1 | 40.1 | 41.2 | 41.4 | 41.4 | 41.9 | |
| GE 9000 | 35.5 | 37.4 | 37.7 | 38.5 | 39.1 | 39.1 | 39.5 | 39.8 | 40.0 | 40.9 | 41.1 | 41.1 | 42.2 | 42.4 | 42.4 | 42.9 | |
| GE 8000 | 38.8 | 41.0 | 41.4 | 42.2 | 42.8 | 42.8 | 43.1 | 43.4 | 43.7 | 44.5 | 44.7 | 44.7 | 45.8 | 46.0 | 46.1 | 46.6 | |
| GE 7000 | 41.5 | 43.7 | 44.1 | 44.8 | 45.5 | 45.5 | 45.8 | 46.1 | 46.3 | 47.2 | 47.4 | 47.4 | 48.5 | 48.7 | 48.7 | 49.2 | |
| GE 6000 | 42.3 | 44.4 | 44.8 | 45.5 | 46.2 | 46.2 | 46.6 | 46.9 | 47.1 | 48.0 | 48.2 | 48.2 | 49.2 | 49.5 | 49.5 | 50.0 | |
| GE 5000 | 44.4 | 47.0 | 47.4 | 48.2 | 48.9 | 48.9 | 49.2 | 49.6 | 49.8 | 50.6 | 50.9 | 50.9 | 51.9 | 52.2 | 52.2 | 52.7 | |
| GE 4500 | 45.1 | 47.7 | 48.2 | 48.9 | 49.7 | 49.7 | 50.0 | 50.3 | 50.5 | 51.4 | 51.6 | 51.6 | 52.8 | 53.0 | 53.1 | 53.6 | |
| GE 4000 | 45.7 | 49.0 | 49.5 | 50.2 | 51.0 | 51.0 | 51.3 | 51.6 | 51.8 | 52.7 | 52.9 | 52.9 | 54.1 | 54.3 | 54.3 | 54.8 | |
| GE 3500 | 46.3 | 49.8 | 50.2 | 51.1 | 51.8 | 51.8 | 52.2 | 52.5 | 52.7 | 53.5 | 53.8 | 53.8 | 54.9 | 55.2 | 55.2 | 55.7 | |
| GE 3000 | 46.7 | 50.1 | 50.5 | 51.7 | 52.8 | 52.8 | 53.1 | 53.4 | 53.7 | 54.5 | 54.7 | 54.7 | 55.9 | 56.1 | 56.1 | 56.6 | |
| GE 2500 | 48.0 | 51.6 | 52.4 | 53.7 | 54.8 | 54.8 | 55.4 | 55.7 | 55.9 | 56.8 | 57.0 | 57.0 | 58.2 | 58.4 | 58.4 | 58.9 | |
| GE 2000 | 48.4 | 52.5 | 53.0 | 54.3 | 55.6 | 55.6 | 56.1 | 56.5 | 56.7 | 57.5 | 57.7 | 57.7 | 58.9 | 59.1 | 59.1 | 59.6 | |
| GE 1800 | 48.5 | 52.8 | 53.4 | 54.7 | 56.0 | 56.0 | 56.6 | 56.9 | 57.1 | 58.0 | 58.2 | 58.2 | 59.4 | 59.6 | 59.6 | 60.1 | |
| GE 1500 | 49.1 | 54.1 | 54.7 | 56.0 | 57.3 | 57.3 | 57.9 | 58.0 | 58.3 | 59.2 | 59.6 | 59.6 | 60.8 | 61.0 | 61.0 | 61.5 | |
| GE 1200 | 50.0 | 55.2 | 55.8 | 57.4 | 58.9 | 58.9 | 59.6 | 60.0 | 60.2 | 61.1 | 61.3 | 61.3 | 62.5 | 62.7 | 62.7 | 63.2 | |
| GE 1000 | 50.6 | 56.3 | 57.0 | 58.6 | 60.4 | 60.4 | 61.2 | 61.7 | 62.0 | 62.9 | 63.1 | 63.1 | 64.3 | 64.5 | 64.5 | 65.0 | |
| GE 900 | 51.4 | 58.0 | 58.6 | 60.2 | 62.0 | 62.0 | 62.9 | 63.4 | 63.8 | 64.6 | 64.8 | 64.8 | 66.0 | 66.2 | 66.2 | 66.7 | |
| GE 800 | 51.5 | 58.7 | 59.6 | 61.2 | 63.2 | 63.2 | 64.1 | 64.7 | 65.1 | 66.0 | 66.3 | 66.3 | 67.5 | 67.7 | 67.7 | 68.2 | |
| GE 700 | 51.6 | 58.9 | 59.9 | 61.5 | 63.5 | 63.5 | 64.5 | 65.2 | 65.5 | 66.4 | 66.8 | 66.8 | 68.0 | 68.2 | 68.2 | 68.7 | |
| GE 600 | 51.9 | 59.6 | 60.5 | 62.3 | 64.4 | 64.4 | 65.6 | 66.5 | 66.8 | 67.7 | 68.1 | 68.1 | 69.3 | 69.5 | 69.5 | 70.0 | |
| GE 500 | 52.4 | 61.1 | 62.0 | 63.9 | 66.6 | 66.6 | 67.9 | 68.8 | 69.1 | 69.9 | 70.3 | 70.3 | 71.5 | 71.7 | 71.7 | 72.2 | |
| GE 400 | 52.9 | 62.6 | 63.7 | 65.6 | 68.6 | 68.6 | 70.4 | 71.6 | 71.9 | 72.7 | 73.1 | 73.1 | 74.3 | 74.5 | 74.5 | 75.0 | |
| GE 300 | 53.0 | 63.8 | 64.9 | 67.2 | 70.6 | 70.6 | 72.5 | 73.5 | 73.8 | 74.6 | 75.0 | 75.0 | 76.2 | 76.4 | 76.4 | 76.9 | |
| GE 200 | 53.0 | 63.8 | 65.1 | 67.4 | 71.4 | 71.4 | 72.2 | 74.6 | 74.6 | 75.4 | 75.8 | 75.8 | 77.0 | 77.2 | 77.2 | 77.7 | |
| GE 100 | 53.0 | 63.8 | 65.1 | 67.4 | 71.4 | 71.4 | 72.2 | 74.6 | 74.6 | 75.4 | 75.8 | 75.8 | 77.0 | 77.2 | 77.2 | 77.7 | |
| GE 0 | 53.0 | 63.8 | 65.1 | 67.4 | 71.4 | 71.4 | 72.2 | 74.6 | 74.6 | 75.4 | 75.8 | 75.8 | 77.0 | 77.2 | 77.2 | 77.7 | |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 22.7 | 24.3 | 24.8 | 25.5 | 25.8 | 25.9 | 26.7 | 27.0 | 27.2 | 27.3 | 27.6 | 27.7 | 28.5 | 28.8 | 29.8 | 30.4 |
| GE 20000 | 25.4 | 27.0 | 27.5 | 28.2 | 28.5 | 28.6 | 29.4 | 29.7 | 29.9 | 30.0 | 30.3 | 30.4 | 31.2 | 31.5 | 32.5 | 33.2 |
| GE 18000 | 25.5 | 27.1 | 27.6 | 28.3 | 28.6 | 28.7 | 29.5 | 29.8 | 30.0 | 30.1 | 30.4 | 30.5 | 31.3 | 31.6 | 32.6 | 33.3 |
| GE 16000 | 25.5 | 27.1 | 27.6 | 28.3 | 28.6 | 28.7 | 29.5 | 29.8 | 30.0 | 30.1 | 30.4 | 30.5 | 31.3 | 31.6 | 32.6 | 33.3 |
| GE 14000 | 26.3 | 28.0 | 28.5 | 29.1 | 29.5 | 29.6 | 30.3 | 30.6 | 30.9 | 31.0 | 31.3 | 31.4 | 32.2 | 32.5 | 33.4 | 34.2 |
| GE 12000 | 28.2 | 29.8 | 30.3 | 31.0 | 31.3 | 31.5 | 32.3 | 32.6 | 32.8 | 32.9 | 33.2 | 33.3 | 34.1 | 34.4 | 35.4 | 36.1 |
| GE 10000 | 30.2 | 31.8 | 32.4 | 33.0 | 33.3 | 33.5 | 34.5 | 34.8 | 35.1 | 35.2 | 35.5 | 35.6 | 36.3 | 36.7 | 37.6 | 38.5 |
| GE 9000 | 30.8 | 32.4 | 32.9 | 33.5 | 33.9 | 34.2 | 35.3 | 35.6 | 35.8 | 35.9 | 36.2 | 36.3 | 37.1 | 37.4 | 38.4 | 39.2 |
| GE 8000 | 33.2 | 34.8 | 35.4 | 36.0 | 36.5 | 36.8 | 37.8 | 38.2 | 38.4 | 38.5 | 38.8 | 38.9 | 39.8 | 40.1 | 41.1 | 41.9 |
| GE 7000 | 37.0 | 38.8 | 39.4 | 40.1 | 40.6 | 41.0 | 42.0 | 42.4 | 42.6 | 42.7 | 43.0 | 43.1 | 44.0 | 44.3 | 45.3 | 46.1 |
| GE 6000 | 38.3 | 40.1 | 40.6 | 41.4 | 42.0 | 42.4 | 43.4 | 43.8 | 44.0 | 44.1 | 44.4 | 44.5 | 45.4 | 45.7 | 46.7 | 47.5 |
| GE 5000 | 40.9 | 42.8 | 43.3 | 44.1 | 44.8 | 45.2 | 46.2 | 46.7 | 46.9 | 47.0 | 47.3 | 47.4 | 48.3 | 48.6 | 49.6 | 50.4 |
| GE 4500 | 41.5 | 43.8 | 44.3 | 45.1 | 45.9 | 46.2 | 47.3 | 47.7 | 48.0 | 48.1 | 48.4 | 48.5 | 49.4 | 49.7 | 50.6 | 51.5 |
| GE 4000 | 42.0 | 44.5 | 45.1 | 45.9 | 46.8 | 47.1 | 48.2 | 48.6 | 48.8 | 48.9 | 49.2 | 49.4 | 50.2 | 50.5 | 51.5 | 52.4 |
| GE 3500 | 42.7 | 45.3 | 45.8 | 46.9 | 47.7 | 48.1 | 49.1 | 49.6 | 49.8 | 49.9 | 50.2 | 50.3 | 51.2 | 51.5 | 52.5 | 53.3 |
| GE 3000 | 43.0 | 45.8 | 46.5 | 47.7 | 48.7 | 49.0 | 50.1 | 50.5 | 50.8 | 50.9 | 51.2 | 51.3 | 52.2 | 52.5 | 53.4 | 54.3 |
| GE 2500 | 44.7 | 47.7 | 48.4 | 49.7 | 50.8 | 51.1 | 52.5 | 53.0 | 53.2 | 53.3 | 53.7 | 53.8 | 54.6 | 54.9 | 55.9 | 56.8 |
| GE 2000 | 45.5 | 48.6 | 49.2 | 50.5 | 51.8 | 52.2 | 53.8 | 54.3 | 54.5 | 54.6 | 54.9 | 55.1 | 55.9 | 56.2 | 57.2 | 58.1 |
| GE 1800 | 45.5 | 48.7 | 49.4 | 50.6 | 51.9 | 52.3 | 53.9 | 54.4 | 54.6 | 54.7 | 55.1 | 55.2 | 56.0 | 56.3 | 57.3 | 58.2 |
| GE 1500 | 46.2 | 49.6 | 50.2 | 51.6 | 53.0 | 53.3 | 54.9 | 55.5 | 55.7 | 55.8 | 56.1 | 56.2 | 57.1 | 57.4 | 58.4 | 59.2 |
| GE 1200 | 47.4 | 51.5 | 52.2 | 53.7 | 55.1 | 55.4 | 57.3 | 57.8 | 58.1 | 58.3 | 58.6 | 58.7 | 59.6 | 59.9 | 60.9 | 61.7 |
| GE 1000 | 48.4 | 52.7 | 53.4 | 54.9 | 56.7 | 57.0 | 59.2 | 60.0 | 60.2 | 60.6 | 61.3 | 61.4 | 62.3 | 62.6 | 63.5 | 64.4 |
| GE 900 | 48.7 | 54.1 | 54.8 | 56.3 | 58.1 | 58.5 | 60.9 | 61.6 | 61.8 | 62.3 | 62.9 | 63.0 | 63.9 | 64.2 | 65.2 | 66.0 |
| GE 800 | 49.7 | 55.9 | 56.9 | 58.5 | 60.8 | 61.2 | 63.7 | 64.6 | 64.8 | 65.4 | 66.0 | 66.1 | 67.0 | 67.3 | 68.3 | 69.1 |
| GE 700 | 49.9 | 56.3 | 57.3 | 59.0 | 61.3 | 61.7 | 64.3 | 65.4 | 65.6 | 66.2 | 66.9 | 67.0 | 67.8 | 68.2 | 69.1 | 70.0 |
| GE 600 | 50.3 | 57.0 | 58.2 | 59.9 | 62.4 | 62.8 | 65.6 | 66.9 | 67.2 | 68.7 | 69.5 | 69.6 | 70.4 | 70.8 | 71.7 | 72.6 |
| GE 500 | 50.5 | 58.2 | 59.7 | 61.4 | 64.1 | 64.6 | 68.0 | 69.8 | 70.2 | 71.7 | 72.6 | 72.7 | 73.5 | 73.9 | 74.8 | 75.7 |
| GE 400 | 50.6 | 59.4 | 60.9 | 62.7 | 65.7 | 66.3 | 69.9 | 71.7 | 72.3 | 74.1 | 75.3 | 75.4 | 76.5 | 76.8 | 77.8 | 78.8 |
| GE 300 | 50.6 | 60.0 | 61.9 | 64.0 | 67.6 | 68.3 | 72.4 | 74.8 | 75.9 | 78.6 | 80.4 | 80.5 | 82.7 | 83.8 | 85.6 | 86.9 |
| GE 200 | 50.9 | 60.4 | 62.4 | 64.4 | 69.2 | 70.0 | 74.7 | 77.5 | 78.6 | 81.8 | 84.0 | 84.2 | 87.1 | 88.7 | 91.5 | 92.0 |
| GE 100 | 51.0 | 60.5 | 62.5 | 64.5 | 69.5 | 70.2 | 74.9 | 78.1 | 79.1 | 82.6 | 84.7 | 84.9 | 88.1 | 89.8 | 94.8 | 99.8 |
| GE 0 | 51.0 | 60.5 | 62.5 | 64.5 | 69.5 | 70.2 | 74.9 | 78.1 | 79.1 | 82.6 | 84.7 | 84.9 | 88.1 | 89.8 | 94.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 75-84
MONTH: DEC HOURS(EST): 0600-0900

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|------|------|-------|-------|------|-------|------|------|------|------|------|------|------|------|-------|------|
| | 1 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 12 | 15 |
| NO CEIL | 19.7 | 22.9 | 22.3 | 22.4 | 22.4 | 22.4 | 22.4 | 22.5 | 22.6 | 22.9 | 23.3 | 23.7 | 23.7 | 24.5 | 25.1 | 25.8 | 26.1 |
| GE 20000 | 22.5 | 24.9 | 25.4 | 25.5 | 25.5 | 25.5 | 25.6 | 25.7 | 26.0 | 26.5 | 26.8 | 26.8 | 27.7 | 28.3 | 29.2 | 29.6 | |
| GE 18000 | 22.8 | 25.3 | 25.7 | 25.8 | 25.8 | 25.8 | 25.9 | 26.0 | 26.3 | 26.8 | 27.1 | 27.1 | 28.1 | 28.6 | 29.6 | 29.9 | |
| GE 16000 | 23.1 | 25.6 | 26.0 | 26.2 | 26.2 | 26.2 | 26.3 | 26.5 | 26.8 | 27.2 | 27.5 | 27.5 | 28.5 | 29.0 | 30.0 | 30.3 | |
| GE 14000 | 24.1 | 26.7 | 27.1 | 27.3 | 27.3 | 27.3 | 27.4 | 27.5 | 27.8 | 28.3 | 28.6 | 28.6 | 29.6 | 30.1 | 31.2 | 31.5 | |
| GE 12000 | 25.5 | 28.1 | 28.5 | 28.7 | 28.7 | 28.7 | 28.8 | 28.9 | 29.2 | 29.7 | 30.0 | 30.0 | 31.1 | 31.6 | 32.7 | 33.0 | |
| GE 10000 | 28.3 | 31.1 | 31.5 | 31.8 | 31.9 | 31.9 | 32.2 | 32.3 | 32.6 | 33.0 | 33.3 | 33.3 | 34.4 | 35.1 | 36.3 | 36.7 | |
| GE 9000 | 29.0 | 31.8 | 32.3 | 32.5 | 32.7 | 32.7 | 33.0 | 33.2 | 33.5 | 34.0 | 34.3 | 34.3 | 35.4 | 36.0 | 37.3 | 37.6 | |
| GE 8000 | 31.9 | 35.1 | 35.6 | 35.9 | 36.0 | 36.0 | 36.3 | 36.6 | 36.9 | 37.3 | 37.6 | 37.6 | 38.7 | 39.4 | 40.6 | 41.0 | |
| GE 7000 | 34.8 | 38.0 | 38.5 | 39.0 | 39.1 | 39.1 | 39.5 | 39.7 | 40.0 | 40.4 | 40.8 | 40.8 | 41.8 | 42.5 | 43.8 | 44.1 | |
| GE 6000 | 36.0 | 39.4 | 39.9 | 40.4 | 40.5 | 40.5 | 40.9 | 41.3 | 41.6 | 42.0 | 42.4 | 42.4 | 43.4 | 44.1 | 45.4 | 45.7 | |
| GE 5000 | 37.8 | 41.5 | 42.0 | 42.6 | 42.7 | 42.7 | 43.0 | 43.5 | 43.9 | 44.3 | 44.6 | 44.6 | 45.7 | 46.3 | 47.6 | 48.0 | |
| GE 4500 | 39.4 | 43.3 | 43.9 | 44.4 | 44.5 | 44.5 | 44.8 | 45.4 | 45.7 | 46.1 | 46.5 | 46.5 | 47.5 | 48.2 | 49.5 | 49.8 | |
| GE 4000 | 40.3 | 44.6 | 45.3 | 45.8 | 45.9 | 45.9 | 46.5 | 47.0 | 47.3 | 47.7 | 48.1 | 48.1 | 49.1 | 49.8 | 51.1 | 51.4 | |
| GE 3500 | 41.0 | 45.3 | 46.0 | 46.5 | 46.7 | 46.7 | 47.2 | 47.7 | 48.1 | 48.5 | 48.8 | 48.8 | 49.9 | 50.5 | 51.8 | 52.2 | |
| GE 3000 | 42.0 | 46.7 | 47.5 | 48.1 | 48.2 | 48.2 | 48.7 | 49.2 | 49.6 | 50.1 | 50.4 | 50.4 | 51.5 | 52.2 | 53.4 | 53.8 | |
| GE 2500 | 42.9 | 47.6 | 48.6 | 49.1 | 49.2 | 49.2 | 49.8 | 50.3 | 50.6 | 51.2 | 51.5 | 51.5 | 52.6 | 53.2 | 54.5 | 54.8 | |
| GE 2000 | 43.5 | 49.0 | 50.2 | 50.8 | 51.0 | 51.1 | 51.6 | 52.2 | 52.5 | 53.2 | 53.5 | 53.5 | 54.6 | 55.3 | 56.6 | 56.9 | |
| GE 1800 | 43.5 | 49.1 | 50.3 | 50.9 | 51.1 | 51.2 | 51.7 | 52.3 | 52.6 | 53.3 | 53.7 | 53.7 | 54.7 | 55.4 | 56.7 | 57.0 | |
| GE 1500 | 44.2 | 50.3 | 51.7 | 52.4 | 52.8 | 52.9 | 53.4 | 54.2 | 54.5 | 55.3 | 55.6 | 55.6 | 56.7 | 57.3 | 58.6 | 58.9 | |
| GE 1200 | 44.9 | 51.2 | 52.6 | 53.2 | 53.8 | 53.9 | 54.4 | 55.4 | 55.7 | 56.5 | 56.8 | 56.8 | 57.8 | 58.5 | 59.8 | 60.1 | |
| GE 1000 | 45.4 | 52.0 | 53.5 | 54.4 | 55.2 | 55.5 | 56.2 | 57.3 | 57.8 | 58.7 | 59.0 | 59.0 | 60.1 | 60.8 | 62.0 | 62.4 | |
| GE 900 | 46.0 | 53.4 | 55.1 | 56.1 | 57.1 | 57.4 | 58.2 | 59.4 | 60.1 | 61.2 | 61.5 | 61.5 | 62.6 | 63.2 | 64.5 | 64.8 | |
| GE 800 | 46.7 | 54.7 | 56.6 | 57.7 | 58.8 | 59.1 | 60.1 | 61.3 | 62.0 | 63.2 | 63.5 | 63.5 | 64.6 | 65.3 | 66.6 | 66.9 | |
| GE 700 | 47.0 | 55.3 | 57.3 | 58.6 | 59.8 | 60.1 | 61.3 | 62.7 | 63.5 | 64.9 | 65.3 | 65.3 | 66.3 | 67.0 | 68.4 | 68.7 | |
| GE 600 | 47.2 | 56.0 | 58.3 | 59.9 | 61.8 | 62.2 | 63.5 | 65.3 | 66.3 | 68.2 | 68.5 | 68.5 | 69.6 | 70.2 | 71.6 | 72.0 | |
| GE 500 | 47.6 | 57.1 | 59.6 | 61.3 | 63.7 | 64.0 | 65.8 | 67.8 | 69.0 | 71.0 | 71.5 | 71.5 | 73.0 | 74.1 | 75.5 | 75.9 | |
| GE 400 | 48.1 | 58.0 | 60.6 | 62.7 | 65.5 | 65.8 | 67.7 | 70.2 | 71.5 | 73.9 | 74.8 | 74.8 | 77.1 | 78.3 | 79.8 | 80.2 | |
| GE 300 | 48.1 | 58.5 | 61.3 | 63.4 | 67.3 | 67.7 | 70.9 | 73.4 | 74.9 | 78.0 | 80.3 | 80.8 | 83.4 | 85.1 | 87.8 | 89.0 | |
| GE 200 | 48.1 | 58.8 | 61.9 | 64.3 | 68.4 | 68.8 | 72.7 | 75.9 | 77.5 | 81.9 | 84.6 | 85.4 | 88.7 | 91.0 | 95.6 | 97.7 | |
| GE 100 | 48.1 | 58.8 | 61.9 | 64.3 | 68.5 | 68.9 | 73.0 | 76.3 | 78.0 | 82.6 | 85.4 | 86.1 | 89.5 | 91.8 | 96.9 | 99.9 | |
| GE 0 | 48.1 | 58.8 | 61.9 | 64.3 | 68.5 | 68.9 | 73.0 | 76.3 | 78.0 | 82.6 | 85.4 | 86.1 | 89.5 | 91.8 | 96.9 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 227855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 75-84
MONTH: DEC HOURS(ULST): 0900-1100

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | 22.3 | 23.7 | 24.1 | 24.4 | 24.8 | 25.1 | 25.4 | 25.7 | 25.8 | 26.5 | 26.6 | 26.8 | 26.9 | 26.9 | 27.4 | 28.1 | |
| GE 20000 | 25.5 | 27.1 | 27.5 | 28.3 | 28.5 | 28.7 | 29.0 | 29.4 | 29.5 | 30.1 | 30.2 | 30.4 | 30.8 | 30.9 | 32.0 | 32.7 | |
| GE 18000 | 25.9 | 27.6 | 28.1 | 28.5 | 29.1 | 29.4 | 29.7 | 30.0 | 30.1 | 30.8 | 30.9 | 31.1 | 31.4 | 31.5 | 32.7 | 33.3 | |
| GE 16000 | 26.3 | 28.1 | 28.7 | 29.2 | 29.8 | 30.0 | 30.3 | 30.6 | 30.8 | 31.4 | 31.5 | 31.7 | 32.0 | 32.2 | 33.3 | 34.0 | |
| GE 14000 | 27.6 | 29.4 | 30.1 | 30.6 | 31.2 | 31.4 | 31.7 | 32.0 | 32.2 | 32.8 | 32.9 | 33.1 | 33.4 | 33.5 | 34.7 | 35.4 | |
| GE 12000 | 30.4 | 32.2 | 32.9 | 33.4 | 34.0 | 34.2 | 34.5 | 34.8 | 34.9 | 35.6 | 35.7 | 35.9 | 36.2 | 36.3 | 37.5 | 38.2 | |
| GE 10000 | 33.1 | 34.8 | 35.6 | 36.2 | 36.9 | 37.1 | 37.4 | 37.7 | 37.8 | 38.5 | 38.6 | 38.8 | 39.1 | 39.2 | 40.4 | 41.1 | |
| GE 9000 | 35.4 | 35.5 | 36.2 | 36.9 | 37.6 | 37.8 | 38.4 | 38.7 | 38.8 | 39.5 | 39.6 | 39.8 | 40.1 | 40.2 | 41.4 | 42.0 | |
| GE 8000 | 35.3 | 37.5 | 38.4 | 39.3 | 39.9 | 40.1 | 40.6 | 41.0 | 41.1 | 41.7 | 41.8 | 42.0 | 42.4 | 42.5 | 43.7 | 44.3 | |
| GE 7000 | 37.8 | 40.2 | 41.1 | 41.9 | 42.8 | 43.0 | 43.5 | 43.9 | 44.0 | 44.6 | 44.7 | 44.9 | 45.3 | 45.4 | 46.6 | 47.2 | |
| GE 6000 | 38.2 | 40.8 | 41.6 | 42.5 | 43.3 | 43.5 | 44.1 | 44.4 | 44.5 | 45.2 | 45.3 | 45.5 | 45.8 | 45.9 | 47.1 | 47.7 | |
| GE 5000 | 41.2 | 43.9 | 44.7 | 45.5 | 46.6 | 46.8 | 47.3 | 47.6 | 47.7 | 48.4 | 48.5 | 48.7 | 49.0 | 49.1 | 50.3 | 51.0 | |
| GE 4500 | 41.7 | 44.7 | 45.6 | 46.6 | 47.6 | 47.8 | 48.4 | 48.7 | 48.8 | 49.5 | 49.6 | 49.8 | 50.1 | 50.2 | 51.4 | 52.0 | |
| GE 4000 | 43.1 | 46.2 | 47.2 | 48.2 | 49.5 | 49.7 | 50.2 | 50.5 | 50.6 | 51.3 | 51.4 | 51.7 | 52.2 | 52.3 | 53.4 | 54.1 | |
| GE 3500 | 44.2 | 47.8 | 48.9 | 50.3 | 51.4 | 51.6 | 52.2 | 52.5 | 52.6 | 53.2 | 53.3 | 53.7 | 54.1 | 54.3 | 55.5 | 56.1 | |
| GE 3000 | 44.9 | 48.8 | 49.9 | 51.3 | 52.6 | 52.8 | 53.3 | 53.7 | 53.8 | 54.6 | 54.7 | 55.1 | 55.5 | 55.7 | 56.9 | 57.5 | |
| GE 2500 | 46.0 | 50.6 | 51.8 | 53.3 | 55.4 | 55.6 | 56.2 | 56.6 | 56.7 | 57.6 | 57.7 | 58.1 | 58.5 | 58.7 | 59.9 | 60.5 | |
| GE 2000 | 47.0 | 51.8 | 53.2 | 54.9 | 57.1 | 57.4 | 58.1 | 58.5 | 58.6 | 59.6 | 59.7 | 60.0 | 60.4 | 60.6 | 61.8 | 62.5 | |
| GE 1800 | 47.3 | 52.2 | 53.5 | 55.3 | 57.5 | 57.8 | 58.6 | 59.1 | 59.2 | 60.2 | 60.3 | 60.6 | 61.1 | 61.3 | 62.5 | 63.1 | |
| GE 1500 | 47.6 | 52.5 | 53.9 | 55.6 | 58.2 | 58.5 | 59.5 | 60.0 | 60.1 | 61.1 | 61.2 | 61.5 | 61.9 | 62.2 | 63.3 | 64.0 | |
| GE 1200 | 47.8 | 53.2 | 54.7 | 56.8 | 59.4 | 59.7 | 60.9 | 61.4 | 61.5 | 62.6 | 62.7 | 63.0 | 63.4 | 63.7 | 64.9 | 65.6 | |
| GE 1000 | 48.0 | 53.7 | 55.7 | 57.8 | 60.9 | 61.3 | 62.7 | 63.2 | 63.3 | 64.4 | 64.5 | 64.8 | 65.3 | 65.5 | 66.8 | 67.4 | |
| GE 900 | 48.4 | 54.4 | 56.5 | 58.7 | 62.0 | 62.5 | 64.0 | 64.5 | 64.6 | 65.7 | 65.8 | 66.1 | 66.6 | 66.8 | 68.1 | 68.7 | |
| GE 800 | 48.5 | 54.9 | 57.0 | 59.4 | 62.9 | 63.3 | 64.8 | 65.6 | 65.8 | 67.0 | 67.2 | 67.5 | 68.1 | 68.3 | 69.6 | 70.2 | |
| GE 700 | 48.5 | 55.4 | 57.8 | 60.4 | 64.6 | 65.2 | 66.9 | 67.6 | 67.8 | 69.0 | 69.2 | 69.6 | 70.1 | 70.3 | 71.6 | 72.3 | |
| GE 600 | 48.9 | 56.1 | 58.8 | 61.5 | 66.2 | 66.9 | 68.6 | 69.5 | 69.7 | 71.2 | 71.8 | 72.2 | 72.7 | 72.9 | 74.2 | 74.8 | |
| GE 500 | 49.0 | 56.8 | 59.6 | 62.8 | 68.3 | 69.4 | 71.2 | 72.2 | 72.4 | 74.0 | 75.1 | 75.9 | 76.9 | 77.1 | 78.5 | 79.4 | |
| GE 400 | 49.2 | 57.3 | 60.3 | 64.4 | 70.4 | 71.6 | 73.7 | 74.6 | 74.9 | 77.0 | 78.5 | 79.4 | 81.2 | 81.4 | 82.9 | 83.8 | |
| GE 300 | 49.2 | 57.4 | 60.8 | 65.4 | 72.2 | 73.7 | 76.5 | 78.2 | 78.7 | 81.8 | 84.6 | 85.5 | 88.4 | 88.9 | 91.5 | 93.0 | |
| GE 200 | 49.4 | 57.5 | 60.9 | 65.5 | 72.4 | 73.9 | 76.8 | 78.6 | 79.4 | 83.0 | 86.2 | 87.2 | 91.0 | 91.8 | 95.5 | 96.5 | |
| GE 100 | 49.4 | 57.5 | 60.9 | 65.5 | 72.5 | 74.0 | 76.9 | 78.7 | 79.5 | 83.1 | 86.3 | 87.3 | 91.3 | 92.3 | 96.2 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 930

GENERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SKY COVER

727815 FAI CHILD AFB WA

75-84

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

| Month | Time | Observed | Percentage Frequency of Occurrence from Hourly Observations | | | | Total |
|--------|------|----------|---|------|-------|-------|-------|
| | | | 0-2 | 3-9 | 10-17 | 18-23 | |
| JUL | 0-02 | 43.0 | 21.8 | 11.6 | 14.6 | 3.4 | 667 |
| | 0-09 | 23.7 | 40.2 | 21.2 | 14.9 | 4.6 | 895 |
| | 0-10 | 27.0 | 9.9 | 25.6 | 13.8 | 4.9 | 925 |
| | 0-11 | 17.6 | 43.8 | 23.8 | 15.8 | 5.0 | 928 |
| | 1-10 | 10.4 | 40.0 | 29.1 | 14.6 | 5.4 | 929 |
| | 1-17 | 11.4 | 47.1 | 26.1 | 15.4 | 5.3 | 930 |
| | 1-2 | 10.0 | 40.3 | 20.3 | 15.4 | 4.8 | 902 |
| | 1-23 | 33.0 | 37.2 | 15.9 | 13.9 | 3.9 | 873 |
| TOTALS | 22.0 | 41.5 | 21.7 | 14.2 | 4.7 | 7249 | |

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE MAC

SKY COVER

727855 FALCHILD AFB WA

75-84

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

| MONTH | TIME | HOURS | PERCENTAGE FREQUENCY OF OCCURRENCE OF TOTAL SKY COVER | | | | TOTAL |
|--------|-------|-------|---|------|------|-----|-------|
| | | | 1 | 2 | 3 | 4 | |
| | 0-02 | 21.5 | 36.5 | 16.3 | 21.7 | 4.7 | 840 |
| | 03-05 | 7 | 41.4 | 26.6 | 23.3 | 6.0 | 867 |
| | 06-08 | 8.5 | 5.3 | 31.3 | 24.8 | 6.4 | 895 |
| | 09-11 | 7 | 34.0 | 35.4 | 25.6 | 6.8 | 900 |
| | 12-14 | 1.5 | 35.0 | 37.4 | 26.2 | 7.0 | 900 |
| | 15-17 | 1.2 | 50.0 | 37.5 | 26.3 | 7.1 | 897 |
| | 18-20 | 5.7 | 35.6 | 35.8 | 22.9 | 6.6 | 864 |
| | 21-23 | 21.0 | 36.0 | 23.0 | 21.0 | 5.2 | 839 |
| TOTALS | | | 30.1 | 30.4 | 24.0 | 6.2 | 7002 |

GENERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SKY COVER

127855 FALL CHILD AFB WA

76-85

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

| MONTH | HOURS (EST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | TOTAL OBS. | |
|--------|----------------|---|---|---|------|---|---|------|------|---------------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | |
| MAY | 0-0 | 24.2 | | | 33.6 | | | 15.4 | 26.7 | 5.1 | 914 |
| | 03-05 | .8 | | | 39.0 | | | 19.9 | 31.3 | 6.1 | 919 |
| | 6-08 | 6.6 | | | 27.4 | | | 28.0 | 32.9 | 6.8 | 929 |
| | 9-11 | 4.0 | | | 25.7 | | | 34.1 | 35.4 | 7.4 | 930 |
| | 14-16 | 3.1 | | | 27.6 | | | 42.3 | 34.1 | 7.8 | 929 |
| | 17-17 | 2.5 | | | 21.4 | | | 37.8 | 33.3 | 7.5 | 928 |
| | 20-22 | 3.0 | | | 32.9 | | | 33.2 | 30.1 | 7.0 | 918 |
| | 23-23 | 16.6 | | | 35.2 | | | 21.8 | 26.5 | 5.7 | 910 |
| TOTALS | | .9 | | | 30.7 | | | 29.1 | 31.3 | 6.7 | 7377 |

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAL

SKY COVER

7278.5

FAI CHILD AFB MA

76-85

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

| MONTH | HOURS OBS | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | TOTAL OBS | | |
|--------|--------------|---|---|---|------|---|---|---|---|---|------|--------------|-----|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | |
| 00-02 | 2.7 | | | | 27.5 | | | | | | 14.7 | 29.1 | 5.1 | 899 |
| 03-05 | 1.2 | | | | 31.7 | | | | | | 19.2 | 29.9 | 5.7 | 890 |
| 06-08 | 7.4 | | | | 26.3 | | | | | | 23.7 | 38.5 | 6.9 | 890 |
| 09-11 | 4.0 | | | | 27.3 | | | | | | 30.6 | 37.6 | 7.3 | 900 |
| 12-14 | 1.7 | | | | 15.2 | | | | | | 38.7 | 40.4 | 8.1 | 900 |
| 15-17 | 1.9 | | | | 15.7 | | | | | | 37.8 | 40.7 | 8.1 | 900 |
| 18-20 | 6.3 | | | | 30.1 | | | | | | 30.1 | 33.4 | 7.0 | 900 |
| 21-23 | 1.4 | | | | 33.9 | | | | | | 17.2 | 30.4 | 5.6 | 900 |
| TOTALS | 11.0 | | | | 27.5 | | | | | | 26.5 | 35.1 | 6.7 | 7179 |

GENERAL CLIMATOLOGY BRANCH
 AFM/TETAC
 AIR WEATHER SERVICE/MAC

SKY COVER

727855 FAI CHILD AFB WA

76-25

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

| MONTH | HOURS OBT | PERCENTAGE FREQUENCY OF OCCURRENCE OF TOTAL SKY COVER | | | | | | | | | | TOTAL OBS | | |
|-------|--------------|---|---|---|------|---|---|---|---|---|------|--------------|-----|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | |
| M | 00-02 | 23. | | | 20.1 | | | | | | 17.2 | 35.9 | 5.9 | 924 |
| | 03-05 | 1.4 | | | 24.2 | | | | | | 16.6 | 40.8 | 6.3 | 925 |
| | 6-08 | 4.1 | | | 27.0 | | | | | | 24.5 | 44.5 | 7.5 | 920 |
| | 9-11 | 4.9 | | | 25.0 | | | | | | 28.8 | 43.5 | 7.6 | 930 |
| | 12-14 | 2.6 | | | 21.7 | | | | | | 35.2 | 40.5 | 7.9 | 930 |
| | 15-17 | 2.2 | | | 22.4 | | | | | | 33.5 | 41.7 | 7.9 | 930 |
| | 18-20 | 6.3 | | | 29.4 | | | | | | 29.0 | 35.3 | 7.0 | 930 |
| | 21-23 | 17.3 | | | 28.8 | | | | | | 19.5 | 34.4 | 6.1 | 930 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | TOTALS | 10.0 | | | 24.8 | | | | | | 25.6 | 39.6 | 7.0 | 7419 |

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SKY COVER

727855 FALCHILD AFB WA

76-85

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

| MONTH | HOURS EST. | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | TOTAL OBS. | |
|--------|---------------|---|---|---|------|---|---|---|---|------|------|---------------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | 10 |
| JAN | 0-01 | 11.3 | | | 13.4 | | | | | 10.8 | 64.5 | 7.8 | 905 |
| | 01-01 | 10.7 | | | 11.1 | | | | | 9.1 | 69.1 | 8.1 | 914 |
| | 01-01 | 3. | | | 14.7 | | | | | 12.0 | 67.6 | 8.3 | 919 |
| | -11 | 3. | | | 12.5 | | | | | 15.6 | 68.1 | 8.6 | 915 |
| | 12-14 | 3. | | | 12.7 | | | | | 19.1 | 65.2 | 8.6 | 928 |
| | 1-17 | 4.1 | | | 14.3 | | | | | 20.8 | 60.8 | 8.4 | 926 |
| | 1-2 | 6.0 | | | 14.9 | | | | | 15.9 | 61.3 | 8.7 | 920 |
| | 1-23 | 1.7 | | | 14. | | | | | 11.4 | 63.9 | 7.8 | 901 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | 1.3 | | | 13.4 | | | | | 14.3 | 65.1 | 8.2 | 7326 |

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

FORM 100-100

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GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE J |
| NO CEIL | 47.7 | 48.6 | 48.8 | 49.0 | 49.1 | 49.2 | 49.3 | 49.3 | 49.4 | 49.5 | 49.6 | 49.6 | 49.7 | 49.8 | 50.0 | 50.2 |
| GE 20000 | 53.7 | 54.7 | 54.9 | 55.1 | 55.3 | 55.3 | 55.4 | 55.5 | 55.5 | 55.7 | 55.8 | 55.8 | 56.0 | 56.0 | 56.2 | 56.4 |
| GE 18000 | 54.1 | 55.2 | 55.4 | 55.5 | 55.8 | 55.8 | 55.9 | 56.0 | 56.0 | 56.1 | 56.3 | 56.3 | 56.4 | 56.5 | 56.7 | 56.9 |
| GE 16000 | 54.3 | 55.4 | 55.6 | 55.7 | 56.0 | 56.0 | 56.1 | 56.2 | 56.2 | 56.3 | 56.5 | 56.5 | 56.6 | 56.7 | 56.9 | 57.1 |
| GE 14000 | 55.4 | 56.5 | 56.7 | 56.9 | 57.1 | 57.1 | 57.3 | 57.3 | 57.4 | 57.5 | 57.6 | 57.6 | 57.8 | 57.9 | 58.1 | 58.3 |
| GE 12000 | 58.4 | 59.6 | 59.8 | 60.3 | 60.3 | 60.3 | 60.4 | 60.5 | 60.5 | 60.7 | 60.8 | 60.8 | 61.0 | 61.0 | 61.3 | 61.5 |
| GE 10000 | 62.1 | 63.5 | 63.7 | 63.9 | 64.2 | 64.2 | 64.4 | 64.5 | 64.5 | 64.6 | 64.8 | 64.8 | 65.0 | 65.0 | 65.3 | 65.5 |
| GE 9000 | 63.6 | 65.0 | 65.2 | 65.5 | 65.7 | 65.8 | 65.9 | 66.0 | 66.1 | 66.2 | 66.3 | 66.3 | 66.5 | 66.6 | 66.8 | 67.0 |
| GE 8000 | 66.5 | 68.0 | 68.2 | 68.5 | 68.8 | 68.8 | 68.9 | 69.1 | 69.1 | 69.2 | 69.4 | 69.4 | 69.6 | 69.6 | 69.9 | 70.1 |
| GE 7000 | 69.0 | 70.7 | 70.9 | 71.2 | 71.5 | 71.6 | 71.7 | 71.8 | 71.8 | 72.0 | 72.1 | 72.2 | 72.3 | 72.4 | 72.7 | 72.9 |
| GE 6000 | 70.4 | 72.1 | 72.4 | 72.6 | 72.9 | 73.0 | 73.1 | 73.3 | 73.3 | 73.5 | 73.6 | 73.6 | 73.8 | 73.9 | 74.1 | 74.3 |
| GE 5000 | 72.7 | 74.6 | 74.9 | 75.1 | 75.5 | 75.6 | 75.7 | 75.8 | 75.9 | 76.0 | 76.2 | 76.2 | 76.4 | 76.5 | 76.7 | 76.9 |
| GE 4500 | 73.7 | 75.7 | 76.0 | 76.3 | 76.6 | 76.7 | 76.8 | 77.0 | 77.0 | 77.2 | 77.3 | 77.3 | 77.5 | 77.6 | 77.8 | 78.0 |
| GE 4000 | 75.3 | 77.5 | 77.8 | 78.1 | 78.5 | 78.6 | 78.7 | 78.9 | 78.9 | 79.1 | 79.2 | 79.3 | 79.4 | 79.5 | 79.8 | 80.0 |
| GE 3500 | 76.4 | 78.8 | 79.1 | 79.5 | 79.9 | 79.9 | 80.1 | 80.3 | 80.3 | 80.5 | 80.6 | 80.6 | 80.8 | 80.9 | 81.2 | 81.4 |
| GE 3000 | 77.7 | 80.3 | 80.7 | 81.1 | 81.5 | 81.6 | 81.8 | 82.0 | 82.0 | 82.2 | 82.3 | 82.4 | 82.6 | 82.6 | 82.9 | 83.1 |
| GE 2500 | 78.5 | 81.3 | 81.8 | 82.2 | 82.7 | 82.8 | 83.0 | 83.2 | 83.2 | 83.4 | 83.6 | 83.6 | 83.8 | 83.9 | 84.1 | 84.3 |
| GE 2000 | 79.1 | 82.2 | 82.7 | 83.1 | 83.7 | 83.8 | 84.1 | 84.2 | 84.3 | 84.5 | 84.6 | 84.8 | 84.9 | 85.1 | 85.2 | 85.4 |
| GE 1800 | 79.3 | 82.4 | 83.0 | 83.4 | 84.0 | 84.1 | 84.3 | 84.5 | 84.6 | 84.8 | 84.9 | 84.9 | 85.1 | 85.2 | 85.5 | 85.7 |
| GE 1500 | 79.8 | 83.2 | 83.8 | 84.2 | 84.9 | 85.0 | 85.2 | 85.4 | 85.5 | 85.7 | 85.9 | 85.9 | 86.1 | 86.2 | 86.4 | 86.7 |
| GE 1200 | 80.3 | 84.0 | 84.6 | 85.1 | 85.9 | 86.0 | 86.3 | 86.5 | 86.6 | 86.8 | 87.0 | 87.0 | 87.2 | 87.3 | 87.5 | 87.8 |
| GE 1000 | 80.7 | 84.7 | 85.4 | 86.3 | 86.8 | 86.9 | 87.3 | 87.5 | 87.6 | 87.9 | 88.1 | 88.1 | 88.3 | 88.4 | 88.6 | 88.9 |
| GE 900 | 80.9 | 85.1 | 85.9 | 86.5 | 87.3 | 87.5 | 87.8 | 88.1 | 88.2 | 88.5 | 88.7 | 88.7 | 88.9 | 89.0 | 89.3 | 89.5 |
| GE 800 | 81.2 | 85.7 | 86.5 | 87.1 | 88.0 | 88.2 | 88.5 | 88.8 | 88.9 | 89.3 | 89.5 | 89.5 | 89.7 | 89.8 | 90.1 | 90.3 |
| GE 700 | 81.4 | 86.0 | 86.9 | 87.6 | 88.6 | 88.7 | 89.1 | 89.4 | 89.5 | 89.9 | 90.1 | 90.2 | 90.4 | 90.5 | 90.7 | 91.0 |
| GE 600 | 81.6 | 86.5 | 87.4 | 88.2 | 89.3 | 89.4 | 89.9 | 90.3 | 90.4 | 90.8 | 91.1 | 91.2 | 91.4 | 91.5 | 91.8 | 92.0 |
| GE 500 | 81.8 | 86.9 | 88.0 | 88.8 | 90.1 | 90.3 | 90.9 | 91.3 | 91.5 | 92.0 | 92.4 | 92.4 | 92.7 | 92.8 | 93.1 | 93.4 |
| GE 400 | 81.9 | 87.3 | 88.4 | 89.4 | 90.9 | 91.1 | 91.8 | 92.3 | 92.5 | 93.2 | 93.7 | 93.8 | 94.1 | 94.3 | 94.6 | 94.9 |
| GE 300 | 82.0 | 87.6 | 88.7 | 89.8 | 91.5 | 91.8 | 92.6 | 93.3 | 93.6 | 94.6 | 95.3 | 95.5 | 96.0 | 96.3 | 96.9 | 97.3 |
| GE 200 | 82.0 | 87.6 | 88.8 | 89.9 | 91.7 | 91.9 | 92.8 | 93.7 | 94.0 | 95.2 | 96.1 | 96.3 | 97.1 | 97.6 | 98.5 | 99.3 |
| GE 100 | 82.0 | 87.6 | 88.8 | 89.9 | 91.7 | 92.0 | 92.9 | 93.7 | 94.0 | 95.3 | 96.2 | 96.4 | 97.2 | 97.7 | 98.8 | 100.0 |
| GE 0 | 82.0 | 87.6 | 88.8 | 89.9 | 91.7 | 92.0 | 92.9 | 93.7 | 94.0 | 95.3 | 96.2 | 96.4 | 97.2 | 97.7 | 98.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 87254

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | 25.1 | 26.8 | 27.1 | 27.4 | 27.7 | 27.8 | 28.0 | 28.2 | 28.3 | 28.7 | 29.0 | 29.2 | 29.6 | 29.8 | 30.5 | 31.0 | |
| GE 20000 | 28.2 | 30.1 | 30.5 | 30.8 | 31.2 | 31.3 | 31.6 | 31.8 | 31.9 | 32.3 | 32.6 | 32.8 | 33.3 | 33.5 | 34.3 | 34.8 | |
| GE 18000 | 28.4 | 30.4 | 30.7 | 31.1 | 31.5 | 31.6 | 31.9 | 32.1 | 32.2 | 32.5 | 32.9 | 33.0 | 33.5 | 33.7 | 34.5 | 35.1 | |
| GE 16000 | 28.6 | 30.6 | 30.9 | 31.3 | 31.7 | 31.8 | 32.1 | 32.3 | 32.4 | 32.8 | 33.1 | 33.2 | 33.8 | 33.9 | 34.8 | 35.3 | |
| GE 14000 | 29.5 | 31.6 | 31.9 | 32.3 | 32.8 | 32.8 | 33.1 | 33.3 | 33.5 | 33.8 | 34.2 | 34.3 | 34.8 | 35.0 | 35.8 | 36.4 | |
| GE 12000 | 31.7 | 33.8 | 34.2 | 34.5 | 35.0 | 35.1 | 35.4 | 35.6 | 35.7 | 36.1 | 36.5 | 36.6 | 37.1 | 37.3 | 38.1 | 38.6 | |
| GE 10000 | 34.1 | 36.3 | 36.7 | 37.1 | 37.5 | 37.8 | 38.1 | 38.3 | 38.4 | 38.8 | 39.2 | 39.3 | 39.8 | 40.0 | 40.9 | 41.5 | |
| GE 9000 | 34.9 | 37.2 | 37.6 | 38.0 | 38.6 | 38.7 | 39.1 | 39.4 | 39.5 | 39.8 | 40.2 | 40.3 | 40.9 | 41.1 | 41.9 | 42.5 | |
| GE 8000 | 37.8 | 40.3 | 40.8 | 41.2 | 41.8 | 41.9 | 42.3 | 42.6 | 42.7 | 43.0 | 43.4 | 43.5 | 44.1 | 44.3 | 45.2 | 45.7 | |
| GE 7000 | 40.8 | 43.5 | 43.9 | 44.4 | 45.1 | 45.2 | 45.6 | 45.9 | 46.0 | 46.3 | 46.7 | 46.8 | 47.4 | 47.6 | 48.5 | 49.1 | |
| GE 6000 | 42.0 | 44.8 | 45.3 | 45.8 | 46.5 | 46.6 | 47.0 | 47.3 | 47.4 | 47.7 | 48.1 | 48.2 | 48.8 | 49.0 | 49.9 | 50.5 | |
| GE 5000 | 44.2 | 47.3 | 47.8 | 48.3 | 49.1 | 49.2 | 49.6 | 49.9 | 50.1 | 50.4 | 50.8 | 50.9 | 51.5 | 51.7 | 52.6 | 53.1 | |
| GE 4500 | 45.2 | 48.5 | 49.1 | 49.7 | 50.5 | 50.6 | 51.0 | 51.3 | 51.4 | 51.8 | 52.2 | 52.3 | 52.9 | 53.1 | 54.0 | 54.5 | |
| GE 4000 | 46.2 | 49.9 | 50.5 | 51.1 | 52.0 | 52.1 | 52.5 | 52.8 | 52.9 | 53.3 | 53.7 | 53.8 | 54.4 | 54.6 | 55.5 | 56.1 | |
| GE 3500 | 47.0 | 50.9 | 51.6 | 52.2 | 53.2 | 53.3 | 53.8 | 54.1 | 54.2 | 54.6 | 55.0 | 55.1 | 55.7 | 55.9 | 56.8 | 57.4 | |
| GE 3000 | 47.9 | 52.0 | 52.7 | 53.5 | 54.7 | 54.8 | 55.2 | 55.6 | 55.7 | 56.2 | 56.6 | 56.7 | 57.3 | 57.5 | 58.4 | 59.0 | |
| GE 2500 | 49.2 | 53.7 | 54.7 | 55.5 | 57.0 | 57.1 | 57.7 | 58.2 | 58.3 | 58.8 | 59.2 | 59.3 | 59.9 | 60.1 | 61.0 | 61.6 | |
| GE 2000 | 50.1 | 54.9 | 55.9 | 57.3 | 58.5 | 58.7 | 59.4 | 59.9 | 60.0 | 60.5 | 60.9 | 61.1 | 61.7 | 61.9 | 62.8 | 63.4 | |
| GE 1800 | 50.4 | 55.2 | 56.3 | 57.3 | 58.9 | 59.0 | 59.7 | 60.2 | 60.4 | 60.9 | 61.3 | 61.4 | 62.1 | 62.3 | 63.2 | 63.9 | |
| GE 1500 | 50.9 | 56.1 | 57.2 | 58.3 | 60.0 | 60.2 | 61.0 | 61.5 | 61.7 | 62.2 | 62.7 | 62.8 | 63.4 | 63.6 | 64.5 | 65.1 | |
| GE 1200 | 51.8 | 57.5 | 58.7 | 59.9 | 61.7 | 61.9 | 62.8 | 63.5 | 63.7 | 64.3 | 64.7 | 64.9 | 65.5 | 65.7 | 66.6 | 67.2 | |
| GE 1000 | 52.5 | 58.7 | 60.0 | 61.4 | 63.5 | 63.8 | 64.8 | 65.6 | 65.8 | 66.6 | 67.1 | 67.2 | 67.8 | 68.1 | 69.0 | 69.6 | |
| GE 900 | 53.0 | 59.7 | 61.1 | 62.5 | 64.7 | 65.0 | 66.1 | 66.9 | 67.2 | 68.0 | 68.5 | 68.6 | 69.3 | 69.5 | 70.4 | 71.0 | |
| GE 800 | 53.5 | 60.8 | 62.2 | 63.7 | 66.1 | 66.4 | 67.6 | 68.4 | 68.7 | 69.6 | 70.2 | 70.3 | 71.0 | 71.2 | 72.1 | 72.7 | |
| GE 700 | 53.8 | 61.4 | 62.9 | 64.7 | 67.1 | 67.5 | 68.7 | 69.7 | 70.0 | 71.0 | 71.6 | 71.7 | 72.4 | 72.6 | 73.6 | 74.2 | |
| GE 600 | 54.1 | 62.1 | 63.8 | 65.7 | 68.5 | 68.9 | 70.3 | 71.3 | 71.7 | 73.3 | 74.0 | 74.2 | 74.9 | 75.1 | 76.0 | 76.7 | |
| GE 500 | 54.4 | 63.3 | 65.2 | 67.3 | 70.5 | 71.0 | 72.8 | 74.1 | 74.6 | 76.3 | 77.3 | 77.5 | 78.4 | 78.7 | 79.7 | 80.4 | |
| GE 400 | 54.9 | 64.4 | 66.5 | 68.9 | 72.4 | 73.0 | 75.1 | 76.7 | 77.3 | 79.4 | 80.7 | 81.1 | 82.3 | 82.7 | 83.8 | 84.5 | |
| GE 300 | 55.0 | 65.0 | 67.2 | 69.7 | 74.0 | 74.7 | 77.4 | 79.5 | 80.4 | 83.3 | 85.7 | 86.1 | 88.0 | 88.8 | 90.7 | 91.8 | |
| GE 200 | 55.0 | 65.1 | 67.4 | 70.0 | 74.6 | 75.3 | 78.3 | 80.7 | 81.7 | 85.3 | 88.2 | 88.7 | 91.3 | 92.5 | 95.7 | 97.7 | |
| GE 100 | 55.1 | 65.1 | 67.4 | 70.3 | 74.7 | 75.4 | 78.4 | 80.9 | 81.9 | 85.6 | 88.6 | 89.1 | 91.9 | 93.3 | 96.8 | 99.9 | |
| GE 0 | 55.1 | 65.1 | 67.4 | 70.3 | 74.7 | 75.4 | 78.4 | 80.9 | 81.9 | 85.6 | 88.6 | 89.1 | 91.9 | 93.3 | 96.8 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | 30.0 | 31.5 | 31.8 | 31.9 | 32.3 | 32.4 | 32.8 | 33.0 | 33.1 | 33.7 | 34.7 | 35.1 | 35.8 | 35.9 | 36.1 | 36.3 | |
| GE 20000 | 32.3 | 33.8 | 34.1 | 34.2 | 34.7 | 34.8 | 35.3 | 35.5 | 35.6 | 36.1 | 37.3 | 37.6 | 38.4 | 38.5 | 38.7 | 38.9 | |
| GE 18000 | 32.5 | 34.0 | 34.3 | 34.4 | 34.9 | 35.1 | 35.5 | 35.7 | 35.8 | 36.3 | 37.5 | 37.8 | 38.6 | 38.7 | 38.9 | 39.1 | |
| GE 16000 | 32.5 | 34.0 | 34.3 | 34.4 | 34.9 | 35.1 | 35.5 | 35.7 | 35.8 | 36.3 | 37.5 | 37.8 | 38.6 | 38.7 | 38.9 | 39.1 | |
| GE 14000 | 33.3 | 34.8 | 35.2 | 35.4 | 35.9 | 36.0 | 36.5 | 36.7 | 36.8 | 37.3 | 38.5 | 38.8 | 39.6 | 39.7 | 39.9 | 40.1 | |
| GE 12000 | 34.9 | 36.5 | 36.8 | 37.3 | 37.5 | 37.6 | 38.1 | 38.3 | 38.4 | 38.9 | 40.1 | 40.4 | 41.2 | 41.3 | 41.5 | 41.7 | |
| GE 10000 | 37.4 | 39.0 | 39.4 | 39.6 | 40.1 | 40.2 | 40.6 | 40.9 | 41.0 | 41.5 | 42.7 | 43.0 | 43.8 | 43.9 | 44.2 | 44.4 | |
| GE 9000 | 38.8 | 40.4 | 40.8 | 41.3 | 41.5 | 41.6 | 42.0 | 42.3 | 42.4 | 42.9 | 44.1 | 44.4 | 45.2 | 45.3 | 45.6 | 45.8 | |
| GE 8000 | 41.9 | 44.0 | 44.3 | 44.5 | 45.1 | 45.2 | 45.6 | 45.8 | 45.9 | 46.5 | 47.6 | 48.0 | 48.7 | 48.8 | 49.1 | 49.4 | |
| GE 7000 | 44.4 | 46.6 | 46.9 | 47.1 | 47.6 | 47.7 | 48.2 | 48.4 | 48.5 | 49.0 | 50.2 | 50.5 | 51.3 | 51.4 | 51.8 | 52.0 | |
| GE 6000 | 46.8 | 48.9 | 49.2 | 49.5 | 50.1 | 50.2 | 50.6 | 50.9 | 51.0 | 51.5 | 52.7 | 53.0 | 53.8 | 53.9 | 54.3 | 54.5 | |
| GE 5000 | 47.6 | 50.1 | 50.9 | 51.1 | 51.7 | 51.8 | 52.3 | 52.5 | 52.6 | 53.1 | 54.3 | 54.6 | 55.4 | 55.5 | 55.9 | 56.1 | |
| GE 4500 | 48.7 | 51.4 | 52.3 | 52.6 | 53.3 | 53.4 | 53.9 | 54.1 | 54.2 | 54.7 | 55.9 | 56.2 | 57.0 | 57.1 | 57.5 | 57.7 | |
| GE 4000 | 49.5 | 52.5 | 53.4 | 53.8 | 54.6 | 54.7 | 55.2 | 55.4 | 55.5 | 56.0 | 57.2 | 57.5 | 58.3 | 58.4 | 58.8 | 59.1 | |
| GE 3500 | 50.1 | 53.1 | 54.1 | 54.5 | 55.4 | 55.5 | 55.9 | 56.1 | 56.2 | 56.8 | 58.0 | 58.3 | 59.0 | 59.1 | 59.6 | 59.9 | |
| GE 3000 | 51.2 | 54.4 | 55.4 | 55.9 | 57.1 | 57.2 | 57.6 | 58.0 | 58.2 | 58.8 | 60.0 | 60.3 | 61.2 | 61.3 | 61.7 | 62.0 | |
| GE 2500 | 52.8 | 56.6 | 58.1 | 58.6 | 60.1 | 60.5 | 61.3 | 61.6 | 61.8 | 62.5 | 63.7 | 64.0 | 64.8 | 64.9 | 65.4 | 65.7 | |
| GE 2000 | 53.1 | 56.9 | 58.4 | 59.3 | 60.5 | 61.0 | 61.7 | 62.2 | 62.4 | 63.1 | 64.3 | 64.6 | 65.5 | 65.6 | 66.0 | 66.3 | |
| GE 1800 | 53.5 | 57.4 | 58.9 | 59.6 | 61.1 | 61.5 | 62.3 | 62.7 | 62.9 | 63.7 | 64.8 | 65.2 | 66.0 | 66.1 | 66.6 | 67.0 | |
| GE 1500 | 54.2 | 58.2 | 59.7 | 60.3 | 61.9 | 62.4 | 63.1 | 63.7 | 63.9 | 64.6 | 65.8 | 66.1 | 67.1 | 67.2 | 67.6 | 68.1 | |
| GE 1200 | 54.7 | 59.2 | 60.8 | 61.5 | 63.3 | 63.8 | 64.5 | 65.2 | 65.4 | 66.3 | 67.5 | 67.8 | 68.9 | 69.0 | 69.5 | 69.9 | |
| GE 1000 | 55.4 | 60.4 | 61.9 | 62.9 | 64.6 | 65.1 | 66.0 | 66.7 | 66.9 | 68.0 | 69.1 | 69.5 | 70.5 | 70.6 | 71.1 | 71.5 | |
| GE 900 | 55.8 | 61.4 | 63.0 | 63.9 | 65.7 | 66.2 | 67.2 | 67.8 | 68.1 | 69.1 | 70.3 | 70.8 | 71.8 | 71.9 | 72.7 | 73.1 | |
| GE 800 | 56.1 | 62.4 | 64.0 | 64.8 | 66.8 | 67.3 | 68.3 | 68.9 | 69.1 | 70.4 | 71.6 | 72.0 | 73.1 | 73.2 | 74.0 | 74.4 | |
| GE 700 | 56.6 | 63.4 | 65.1 | 65.9 | 67.8 | 68.4 | 69.5 | 70.2 | 70.4 | 72.2 | 73.3 | 73.8 | 74.9 | 75.1 | 75.8 | 76.2 | |
| GE 600 | 57.0 | 64.2 | 66.0 | 66.9 | 69.1 | 69.8 | 71.1 | 71.9 | 72.4 | 74.3 | 75.8 | 76.2 | 77.4 | 77.5 | 78.3 | 78.7 | |
| GE 500 | 57.3 | 65.7 | 67.7 | 68.7 | 71.8 | 72.5 | 73.9 | 74.7 | 75.3 | 77.2 | 78.7 | 79.1 | 80.3 | 80.9 | 81.6 | 82.0 | |
| GE 400 | 58.2 | 67.2 | 69.2 | 70.3 | 73.5 | 74.2 | 76.2 | 77.5 | 78.8 | 80.4 | 82.3 | 82.8 | 84.3 | 84.8 | 85.9 | 86.5 | |
| GE 300 | 58.4 | 68.1 | 70.1 | 71.2 | 74.9 | 75.8 | 78.6 | 80.6 | 81.9 | 84.6 | 87.7 | 88.3 | 90.1 | 91.0 | 92.6 | 93.1 | |
| GE 200 | 58.5 | 68.2 | 70.2 | 71.3 | 75.1 | 75.9 | 78.9 | 81.2 | 82.5 | 85.9 | 89.5 | 90.0 | 92.5 | 93.7 | 96.2 | 97.2 | |
| GE 100 | 58.5 | 68.2 | 70.2 | 71.3 | 75.1 | 75.9 | 78.9 | 81.3 | 82.6 | 86.1 | 89.7 | 90.2 | 92.9 | 94.2 | 97.3 | 99.9 | |
| GE 0 | 58.5 | 68.2 | 70.2 | 71.3 | 75.1 | 75.9 | 78.9 | 81.3 | 82.6 | 86.1 | 89.7 | 90.2 | 92.9 | 94.2 | 97.3 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

PERIOD OF RECORD: 75-84
 MONTH: DEC HOURS(LST): 1800-2000

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|--|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | | |
| NO CEIL | 28.1 | 29.9 | 30.2 | 30.2 | 30.5 | 30.5 | 30.6 | 30.8 | 30.8 | 31.0 | 31.6 | 31.8 | 32.0 | 32.0 | 32.4 | 32.4 | | |
| GE 20000 | 31.5 | 33.4 | 33.8 | 33.9 | 34.4 | 34.4 | 34.5 | 34.7 | 34.7 | 34.9 | 35.6 | 35.8 | 36.1 | 36.1 | 36.5 | 36.5 | | |
| GE 18000 | 31.5 | 33.4 | 33.8 | 33.9 | 34.4 | 34.4 | 34.5 | 34.7 | 34.7 | 34.9 | 35.6 | 35.8 | 36.1 | 36.1 | 36.5 | 36.5 | | |
| GE 16000 | 31.6 | 33.5 | 33.9 | 34.2 | 34.5 | 34.5 | 34.6 | 34.8 | 34.8 | 35.1 | 35.7 | 35.9 | 36.2 | 36.2 | 36.6 | 36.6 | | |
| GE 14000 | 32.4 | 34.3 | 34.6 | 34.7 | 35.3 | 35.3 | 35.4 | 35.6 | 35.6 | 35.8 | 36.5 | 36.7 | 37.0 | 37.0 | 37.3 | 37.3 | | |
| GE 12000 | 34.4 | 36.3 | 36.7 | 36.8 | 37.3 | 37.3 | 37.4 | 37.6 | 37.6 | 37.8 | 38.5 | 38.7 | 39.0 | 39.0 | 39.4 | 39.4 | | |
| GE 10000 | 36.7 | 38.7 | 39.0 | 39.1 | 39.7 | 39.7 | 39.8 | 40.0 | 40.0 | 40.2 | 40.9 | 41.1 | 41.4 | 41.4 | 41.7 | 41.7 | | |
| GE 9000 | 37.4 | 39.7 | 40.0 | 40.1 | 40.6 | 40.6 | 40.8 | 41.0 | 41.0 | 41.2 | 41.8 | 42.0 | 42.4 | 42.4 | 42.7 | 42.7 | | |
| GE 8000 | 41.0 | 43.3 | 43.7 | 43.8 | 44.3 | 44.3 | 44.4 | 44.7 | 44.7 | 44.9 | 45.7 | 45.9 | 46.2 | 46.2 | 46.6 | 46.6 | | |
| GE 7000 | 43.9 | 46.3 | 46.8 | 46.9 | 47.5 | 47.5 | 47.6 | 48.0 | 48.0 | 48.2 | 48.9 | 49.1 | 49.5 | 49.5 | 49.8 | 49.8 | | |
| GE 6000 | 45.9 | 48.5 | 48.9 | 49.0 | 49.7 | 49.7 | 49.9 | 50.2 | 50.2 | 50.4 | 51.2 | 51.4 | 51.7 | 51.7 | 52.0 | 52.0 | | |
| GE 5000 | 47.6 | 50.5 | 51.1 | 51.2 | 51.8 | 51.8 | 52.0 | 52.4 | 52.4 | 52.6 | 53.3 | 53.5 | 53.9 | 53.9 | 54.2 | 54.2 | | |
| GE 4500 | 48.5 | 51.9 | 52.6 | 52.7 | 53.4 | 53.4 | 53.7 | 54.0 | 54.0 | 54.2 | 54.9 | 55.2 | 55.5 | 55.5 | 55.8 | 55.8 | | |
| GE 4000 | 49.5 | 53.1 | 53.9 | 54.0 | 54.7 | 54.7 | 54.9 | 55.3 | 55.3 | 55.5 | 56.2 | 56.5 | 56.8 | 56.8 | 57.1 | 57.1 | | |
| GE 3500 | 50.6 | 54.6 | 55.5 | 55.5 | 56.5 | 56.5 | 56.7 | 57.1 | 57.2 | 57.5 | 58.3 | 58.5 | 58.8 | 58.8 | 59.1 | 59.2 | | |
| GE 3000 | 52.3 | 56.7 | 57.6 | 57.7 | 58.6 | 58.6 | 58.8 | 59.2 | 59.4 | 59.7 | 60.4 | 60.6 | 61.0 | 61.0 | 61.3 | 61.4 | | |
| GE 2500 | 53.4 | 58.3 | 59.6 | 59.9 | 61.0 | 61.0 | 61.4 | 62.0 | 62.2 | 62.5 | 63.2 | 63.4 | 63.8 | 63.8 | 64.1 | 64.2 | | |
| GE 2000 | 54.7 | 59.9 | 61.2 | 61.5 | 62.8 | 62.9 | 63.3 | 64.0 | 64.1 | 64.4 | 65.2 | 65.4 | 65.7 | 65.7 | 66.0 | 66.1 | | |
| GE 1800 | 55.5 | 60.6 | 61.9 | 62.3 | 63.5 | 63.7 | 64.1 | 64.7 | 64.8 | 65.2 | 65.9 | 66.1 | 66.5 | 66.5 | 66.8 | 66.9 | | |
| GE 1500 | 55.8 | 61.4 | 62.7 | 63.0 | 64.4 | 64.6 | 65.2 | 65.8 | 65.9 | 66.5 | 67.2 | 67.4 | 67.7 | 67.7 | 68.1 | 68.2 | | |
| GE 1200 | 56.7 | 62.9 | 64.2 | 64.6 | 66.1 | 66.3 | 66.9 | 67.8 | 68.1 | 68.6 | 69.4 | 69.6 | 69.9 | 69.9 | 70.2 | 70.3 | | |
| GE 1000 | 58.2 | 65.3 | 66.6 | 67.2 | 68.9 | 69.1 | 69.8 | 71.0 | 71.2 | 72.0 | 72.8 | 73.0 | 73.3 | 73.3 | 73.7 | 73.8 | | |
| GE 900 | 58.6 | 65.9 | 67.2 | 67.3 | 69.6 | 69.9 | 70.5 | 71.8 | 72.0 | 72.9 | 73.7 | 73.9 | 74.2 | 74.2 | 74.5 | 74.6 | | |
| GE 800 | 59.2 | 67.1 | 68.4 | 69.0 | 70.8 | 71.1 | 71.8 | 73.2 | 73.4 | 74.3 | 75.2 | 75.4 | 75.7 | 75.7 | 76.0 | 76.1 | | |
| GE 700 | 59.5 | 67.7 | 69.0 | 69.7 | 71.4 | 71.7 | 72.6 | 74.0 | 74.2 | 75.3 | 76.1 | 76.3 | 76.7 | 76.7 | 77.0 | 77.1 | | |
| GE 600 | 59.8 | 68.6 | 69.9 | 70.5 | 72.3 | 72.6 | 73.5 | 74.9 | 75.2 | 76.7 | 77.6 | 77.8 | 78.3 | 78.3 | 78.6 | 78.8 | | |
| GE 500 | 60.5 | 69.8 | 71.3 | 72.0 | 73.9 | 74.3 | 75.8 | 77.7 | 78.0 | 79.8 | 81.0 | 81.4 | 81.9 | 81.9 | 82.3 | 82.5 | | |
| GE 400 | 61.8 | 71.8 | 73.4 | 74.2 | 76.0 | 76.6 | 78.4 | 81.1 | 81.8 | 84.3 | 85.8 | 86.3 | 87.2 | 87.3 | 87.6 | 87.8 | | |
| GE 300 | 61.8 | 72.3 | 74.0 | 74.7 | 76.7 | 77.2 | 79.4 | 82.2 | 83.0 | 86.3 | 88.6 | 89.2 | 90.5 | 91.0 | 91.9 | 92.4 | | |
| GE 200 | 61.9 | 72.6 | 74.3 | 75.1 | 77.2 | 77.8 | 80.1 | 83.2 | 84.1 | 88.4 | 91.7 | 92.4 | 94.2 | 94.9 | 96.9 | 97.7 | | |
| GE 100 | 61.9 | 72.6 | 74.3 | 75.1 | 77.2 | 77.8 | 80.1 | 83.2 | 84.1 | 88.5 | 91.9 | 92.7 | 94.7 | 95.5 | 98.0 | 100.0 | | |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727655 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 27.3 | 29.4 | 29.5 | 29.6 | 29.8 | 29.8 | 29.8 | 29.9 | 29.9 | 29.9 | 30.1 | 30.1 | 30.3 | 30.3 | 30.4 | 30.8 |
| GE 20000 | 31.4 | 33.9 | 34.1 | 34.3 | 34.6 | 34.6 | 34.7 | 34.9 | 34.9 | 34.9 | 35.2 | 35.2 | 35.4 | 35.4 | 35.5 | 35.8 |
| GE 18000 | 31.5 | 34.0 | 34.2 | 34.4 | 34.7 | 34.7 | 34.8 | 35.1 | 35.1 | 35.1 | 35.3 | 35.3 | 35.5 | 35.5 | 35.6 | 35.9 |
| GE 16000 | 31.8 | 34.3 | 34.5 | 34.7 | 35.1 | 35.1 | 35.2 | 35.4 | 35.4 | 35.4 | 35.6 | 35.6 | 35.8 | 35.8 | 35.9 | 36.2 |
| GE 14000 | 32.3 | 34.8 | 35.1 | 35.3 | 35.6 | 35.6 | 35.7 | 35.9 | 35.9 | 35.9 | 36.1 | 36.1 | 36.3 | 36.3 | 36.5 | 36.8 |
| GE 12000 | 34.7 | 37.4 | 37.6 | 37.8 | 38.2 | 38.2 | 38.3 | 38.5 | 38.5 | 38.5 | 38.7 | 38.7 | 38.9 | 38.9 | 39.0 | 39.4 |
| GE 10000 | 36.3 | 39.7 | 39.9 | 40.1 | 40.5 | 40.5 | 40.6 | 41.0 | 41.0 | 41.0 | 41.2 | 41.2 | 41.4 | 41.4 | 41.5 | 41.8 |
| GE 9000 | 37.6 | 41.0 | 41.3 | 41.5 | 41.9 | 41.9 | 42.0 | 42.4 | 42.4 | 42.4 | 42.6 | 42.6 | 42.8 | 42.8 | 42.9 | 43.2 |
| GE 8000 | 40.8 | 44.3 | 44.6 | 44.8 | 45.3 | 45.3 | 45.4 | 45.7 | 45.7 | 45.7 | 45.9 | 45.9 | 46.1 | 46.1 | 46.3 | 46.7 |
| GE 7000 | 44.0 | 47.6 | 48.0 | 48.3 | 48.9 | 48.9 | 49.0 | 49.4 | 49.4 | 49.4 | 49.6 | 49.6 | 49.8 | 49.8 | 50.0 | 50.3 |
| GE 6000 | 44.8 | 48.7 | 49.0 | 49.4 | 50.0 | 50.0 | 50.1 | 50.4 | 50.4 | 50.4 | 50.6 | 50.6 | 50.9 | 50.9 | 51.1 | 51.4 |
| GE 5000 | 47.1 | 51.2 | 51.6 | 51.9 | 52.6 | 52.6 | 52.7 | 53.0 | 53.0 | 53.0 | 53.2 | 53.2 | 53.4 | 53.4 | 53.7 | 54.0 |
| GE 4500 | 48.2 | 52.8 | 53.2 | 53.5 | 54.2 | 54.2 | 54.3 | 54.6 | 54.6 | 54.6 | 54.8 | 54.8 | 55.1 | 55.1 | 55.3 | 55.6 |
| GE 4000 | 49.9 | 55.1 | 55.5 | 55.8 | 56.6 | 56.6 | 56.8 | 57.1 | 57.1 | 57.1 | 57.3 | 57.3 | 57.5 | 57.5 | 57.7 | 58.1 |
| GE 3500 | 51.0 | 56.3 | 56.9 | 57.5 | 58.4 | 58.4 | 58.6 | 58.9 | 58.9 | 58.9 | 59.1 | 59.1 | 59.4 | 59.4 | 59.6 | 59.9 |
| GE 3000 | 51.8 | 57.5 | 58.1 | 58.8 | 59.9 | 59.9 | 60.1 | 60.5 | 60.5 | 60.5 | 60.8 | 60.8 | 61.0 | 61.0 | 61.2 | 61.5 |
| GE 2500 | 53.3 | 59.2 | 60.1 | 61.1 | 62.3 | 62.3 | 62.5 | 63.1 | 63.1 | 63.1 | 63.3 | 63.3 | 63.5 | 63.5 | 63.8 | 64.1 |
| GE 2000 | 54.7 | 61.0 | 62.0 | 63.3 | 64.8 | 64.8 | 65.3 | 65.9 | 65.9 | 65.9 | 66.2 | 66.2 | 66.5 | 66.5 | 66.7 | 67.0 |
| GE 1800 | 55.1 | 61.3 | 62.4 | 63.7 | 65.2 | 65.2 | 65.6 | 66.2 | 66.2 | 66.2 | 66.6 | 66.6 | 66.8 | 66.8 | 67.0 | 67.3 |
| GE 1500 | 55.8 | 62.5 | 63.7 | 64.9 | 66.8 | 66.8 | 67.4 | 68.1 | 68.1 | 68.2 | 68.5 | 68.5 | 68.7 | 68.7 | 68.9 | 69.2 |
| GE 1200 | 57.3 | 64.3 | 65.6 | 67.0 | 68.9 | 68.9 | 70.1 | 70.9 | 70.9 | 71.0 | 71.4 | 71.4 | 71.6 | 71.6 | 71.8 | 72.2 |
| GE 1000 | 58.0 | 65.5 | 67.2 | 69.2 | 71.4 | 71.5 | 72.6 | 73.7 | 73.8 | 73.9 | 74.4 | 74.4 | 74.6 | 74.6 | 74.8 | 75.4 |
| GE 900 | 58.2 | 66.0 | 67.8 | 69.9 | 72.2 | 72.3 | 73.5 | 74.6 | 74.8 | 74.9 | 75.5 | 75.5 | 75.7 | 75.7 | 75.9 | 76.5 |
| GE 800 | 58.8 | 67.1 | 68.9 | 71.0 | 73.2 | 73.3 | 74.6 | 75.7 | 75.9 | 76.0 | 76.6 | 76.6 | 76.8 | 76.8 | 77.0 | 77.5 |
| GE 700 | 59.5 | 67.6 | 69.7 | 72.4 | 74.6 | 74.7 | 76.0 | 77.1 | 77.4 | 77.6 | 78.2 | 78.2 | 78.4 | 78.4 | 78.6 | 79.1 |
| GE 600 | 59.9 | 68.8 | 71.0 | 74.1 | 76.8 | 76.9 | 78.2 | 79.2 | 79.7 | 80.3 | 81.1 | 81.1 | 81.3 | 81.4 | 81.6 | 82.2 |
| GE 500 | 60.2 | 69.6 | 72.0 | 75.3 | 78.1 | 78.3 | 80.4 | 81.6 | 82.0 | 82.8 | 84.0 | 84.0 | 84.2 | 84.3 | 84.5 | 85.1 |
| GE 400 | 60.8 | 70.8 | 73.3 | 76.7 | 79.7 | 80.0 | 82.5 | 83.9 | 84.4 | 85.8 | 87.2 | 87.3 | 87.7 | 87.8 | 88.2 | 88.7 |
| GE 300 | 60.8 | 70.9 | 73.4 | 76.8 | 80.4 | 80.8 | 83.7 | 85.5 | 86.1 | 88.7 | 90.8 | 91.1 | 92.3 | 92.8 | 94.0 | 94.7 |
| GE 200 | 60.8 | 70.9 | 73.4 | 76.8 | 80.5 | 80.9 | 83.8 | 85.7 | 86.5 | 89.2 | 91.7 | 92.2 | 93.9 | 94.7 | 96.5 | 96.3 |
| GE 100 | 60.8 | 70.9 | 73.4 | 76.8 | 80.5 | 80.9 | 83.9 | 85.8 | 86.7 | 89.6 | 92.0 | 92.5 | 94.6 | 95.7 | 97.5 | 100.0 |
| GE 0 | 60.8 | 70.9 | 73.4 | 76.8 | 80.5 | 80.9 | 83.9 | 85.8 | 86.7 | 89.6 | 92.0 | 92.5 | 94.6 | 95.7 | 97.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727855 STATION NAME: FAIRCHILD AFB WA

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

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|----------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|-------|
| | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CETL | 23.7 | 25.5 | 25.6 | 25.8 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.1 | 26.7 | 27.1 |
| GE 20000 | 27.0 | 29.6 | 29.7 | 29.9 | 30.5 | 30.6 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 31.0 | 31.7 | 32.2 |
| GE 18000 | 27.5 | 30.2 | 30.4 | 30.5 | 31.3 | 31.4 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.7 | 32.5 | 32.9 |
| GE 16000 | 27.7 | 30.4 | 30.6 | 30.9 | 31.5 | 31.6 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.9 | 32.7 | 33.1 |
| GE 14000 | 29.9 | 32.6 | 32.8 | 33.0 | 33.9 | 34.0 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.3 | 35.1 | 35.5 |
| GE 12000 | 33.4 | 36.2 | 36.7 | 37.3 | 37.8 | 38.0 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.3 | 39.0 | 39.5 |
| GE 10000 | 35.8 | 38.8 | 39.2 | 39.6 | 40.8 | 40.9 | 41.0 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.3 | 42.0 | 42.5 |
| GE 9000 | 36.5 | 39.5 | 39.9 | 40.2 | 41.6 | 41.7 | 41.8 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 42.2 | 42.9 | 43.3 |
| GE 8000 | 39.1 | 42.5 | 42.9 | 43.3 | 44.7 | 44.8 | 44.9 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.3 | 46.0 | 46.5 |
| GE 7000 | 43.0 | 46.5 | 46.9 | 47.3 | 48.8 | 48.9 | 49.0 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.4 | 50.1 | 50.5 |
| GE 6000 | 44.1 | 47.6 | 48.1 | 48.5 | 50.0 | 50.1 | 50.2 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.5 | 51.3 | 51.7 |
| GE 5000 | 46.9 | 51.1 | 51.6 | 52.3 | 53.9 | 54.0 | 54.1 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.4 | 55.2 | 55.6 |
| GE 4500 | 48.4 | 52.6 | 53.1 | 53.5 | 55.4 | 55.5 | 55.6 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.9 | 56.7 | 57.1 |
| GE 4000 | 49.8 | 54.0 | 54.5 | 54.9 | 56.8 | 56.9 | 57.0 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.3 | 58.1 | 58.5 |
| GE 3500 | 50.2 | 54.7 | 55.3 | 55.8 | 58.1 | 58.2 | 58.3 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.5 | 58.7 | 59.9 |
| GE 3000 | 51.0 | 55.7 | 56.2 | 57.0 | 59.6 | 59.7 | 59.9 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.2 | 61.2 | 61.6 |
| GE 2500 | 52.7 | 58.0 | 58.5 | 59.5 | 62.4 | 62.5 | 62.7 | 63.0 | 63.1 | 63.3 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.7 | 64.4 | 64.8 |
| GE 2000 | 53.9 | 59.6 | 60.2 | 61.3 | 64.5 | 64.6 | 65.1 | 65.4 | 65.5 | 65.8 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 66.1 | 66.9 | 67.3 |
| GE 1800 | 54.0 | 59.7 | 60.3 | 61.4 | 64.6 | 64.7 | 65.2 | 65.5 | 65.6 | 65.9 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.2 | 67.0 | 67.4 |
| GE 1500 | 54.2 | 60.3 | 61.2 | 62.3 | 65.7 | 65.9 | 66.3 | 66.7 | 66.8 | 67.2 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.5 | 68.3 | 68.7 |
| GE 1200 | 55.3 | 62.3 | 63.4 | 64.8 | 68.3 | 68.3 | 68.5 | 68.9 | 69.4 | 69.5 | 69.9 | 70.2 | 70.2 | 70.2 | 70.2 | 70.4 | 71.2 | 71.6 |
| GE 1000 | 56.1 | 63.7 | 64.8 | 66.5 | 70.1 | 70.3 | 70.9 | 71.3 | 71.4 | 71.9 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.6 | 73.3 | 73.8 |
| GE 900 | 56.9 | 64.4 | 65.6 | 67.2 | 71.1 | 71.3 | 71.8 | 72.3 | 72.4 | 72.9 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.7 | 74.4 | 74.8 |
| GE 800 | 57.5 | 65.3 | 66.5 | 68.2 | 72.3 | 72.5 | 73.0 | 73.4 | 73.5 | 74.1 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.8 | 75.6 | 76.3 |
| GE 700 | 57.5 | 65.9 | 67.2 | 69.7 | 73.9 | 74.1 | 74.6 | 75.2 | 75.3 | 76.2 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 77.0 | 77.7 | 78.2 |
| GE 600 | 57.5 | 66.6 | 68.0 | 70.8 | 75.1 | 75.4 | 76.0 | 76.6 | 76.8 | 78.0 | 78.7 | 78.9 | 79.0 | 79.0 | 79.0 | 79.2 | 80.0 | 80.4 |
| GE 500 | 57.7 | 67.6 | 69.7 | 72.9 | 77.7 | 77.7 | 78.2 | 79.1 | 80.1 | 80.5 | 82.0 | 83.0 | 83.2 | 83.4 | 83.8 | 84.6 | 85.1 | 85.1 |
| GE 400 | 57.7 | 68.5 | 70.5 | 74.4 | 80.1 | 80.6 | 81.7 | 82.7 | 83.3 | 85.3 | 86.6 | 86.6 | 86.9 | 87.3 | 87.6 | 88.6 | 89.3 | 89.3 |
| GE 300 | 57.8 | 68.6 | 70.9 | 75.3 | 82.4 | 83.1 | 84.5 | 85.8 | 86.7 | 89.4 | 91.3 | 91.7 | 93.0 | 93.5 | 94.2 | 95.2 | 95.9 | 95.9 |
| GE 200 | 57.8 | 68.9 | 71.1 | 75.5 | 82.6 | 83.3 | 84.8 | 86.5 | 87.3 | 90.0 | 92.0 | 92.6 | 94.6 | 95.6 | 96.3 | 97.3 | 97.3 | 97.3 |
| GE 100 | 57.8 | 68.9 | 71.1 | 75.5 | 82.6 | 83.3 | 84.8 | 86.5 | 87.3 | 90.0 | 92.2 | 92.7 | 94.8 | 95.9 | 97.8 | 97.8 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GENERAL CLIMATOLOGY BRANCH
 WASHINGTON, D.C.
 METEOROLOGICAL SERVICE CENTER

SKY COVER

127955

FALL CHIELO AFB MA

75-84

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

| MONTH | HOURS OBS | PERCENTAGE FREQUENCY OF TENDS OF TOTAL SKY COVER | | | | | | | | | | TOTAL OBS | |
|--------|--------------|--|---|---|------|---|---|---|---|------|------|--------------|-----|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | |
| 0-02 | 44.1 | | | | 27.4 | | | | | 12.5 | 16.0 | 3.5 | 93 |
| 0-0 | 25.2 | | | | 43.6 | | | | | 16.1 | 15.1 | 4.3 | 92 |
| 0-0 | 18.5 | | | | 43.4 | | | | | 25.4 | 12.7 | 4.9 | 92 |
| 0-11 | 17.2 | | | | 42.9 | | | | | 25.3 | 14.6 | 5.0 | 93 |
| 1-14 | 10.1 | | | | 41.4 | | | | | 30.2 | 14.3 | 5.5 | 93 |
| 1-17 | 11.4 | | | | 44.7 | | | | | 30.4 | 13.4 | 5.4 | 93 |
| 1-2 | 16.0 | | | | 44.1 | | | | | 26.9 | 12.3 | 5.0 | 93 |
| 1-23 | 33.4 | | | | 51.5 | | | | | 14.2 | 12.9 | 3.8 | 92 |
| TOTALS | 2.1 | | | | 41.4 | | | | | 22.6 | 13.9 | 4.7 | 743 |

GENERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SKY COVER

727845 FAIRCHILD AFB WA

75-84

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

| MONTH | HOURS OBS | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | WIND SPEED KTS | TOTAL OBS | |
|--------|--------------|---|---|---|------|---|---|---|---|---|------|----------------------|--------------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| 9-02 | 44 | | | | 24.4 | | | | | | 14.2 | 16.6 | 3.7 | 900 |
| 9-05 | 30.6 | | | | 31.8 | | | | | | 15.3 | 17.3 | 4.1 | 896 |
| 9-08 | 10.6 | | | | 41.2 | | | | | | 26.3 | 17.0 | 5.3 | 899 |
| 9-11 | 10.1 | | | | 41.0 | | | | | | 26.8 | 16.1 | 5.3 | 900 |
| 9-14 | 13.4 | | | | 35.9 | | | | | | 33.1 | 17.6 | 5.8 | 900 |
| 9-17 | 13.4 | | | | 40.3 | | | | | | 30.2 | 16.0 | 5.5 | 900 |
| 9-20 | 22.2 | | | | 41.4 | | | | | | 24.0 | 12.3 | 4.6 | 899 |
| 9-23 | 30.6 | | | | 32.8 | | | | | | 12.7 | 16.0 | 3.7 | 900 |
| TOTALS | 220.6 | | | | 30.1 | | | | | | 22.8 | 16.1 | 4.8 | 7194 |

GENERAL CLIMATOLOG BRANCH
 USAFETAC
 AIR WEATHER SERVICE MAC

SKY COVER

727855 FAI CHILD AFB WA

75-84

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

| MONTH | HOURS EST | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | TOTAL OBSERVATIONS | | |
|--------|--------------|---|---|---|------|---|---|---|---|---|------|-----------------------|-----|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | 10 | |
| OCT | 0-02 | 33.1 | | | 25.2 | | | | | | 15.4 | 26.1 | 4.8 | 915 |
| | 3-07 | 30.0 | | | 28.7 | | | | | | 13.8 | 27.5 | 4.9 | 904 |
| | 6-08 | 6.7 | | | 35.9 | | | | | | 27.4 | 29.9 | 6.5 | 925 |
| | 9-11 | 5.5 | | | 34.3 | | | | | | 24.3 | 34.9 | 6.7 | 921 |
| | 12-14 | 6.3 | | | 31.5 | | | | | | 31.4 | 30.8 | 6.8 | 930 |
| | 15-17 | 6.3 | | | 31.6 | | | | | | 32.8 | 29.2 | 6.8 | 930 |
| | 18-20 | 15.6 | | | 31.3 | | | | | | 26.7 | 26.5 | 6.0 | 930 |
| | 21-23 | 25.5 | | | 26.9 | | | | | | 19.4 | 28.2 | 5.4 | 916 |
| TOTALS | | 11.3 | | | 30.7 | | | | | | 23.9 | 29.2 | 6.1 | 7351 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

127855 FAIICHILU AFB WA 75-84 NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

| MONTH | HOURS LST | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | TOTAL OBSERVATIONS | | |
|--------|--------------|---|---|---|------|---|---|---|---|------|------|-----------------------|------|-----|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | 10 | |
| NOV | 00-02 | 1.7 | | | 17.1 | | | | | | 14.6 | 49.6 | 6.8 | 856 |
| | 03-05 | 15.8 | | | 15.1 | | | | | 13.7 | 57.4 | 7.4 | 861 | |
| | 06-08 | 4.5 | | | 16.4 | | | | | 18.8 | 58.3 | 8.1 | 873 | |
| | 09-11 | 4.2 | | | 16.2 | | | | | 20.9 | 58.7 | 8.2 | 889 | |
| | 12-14 | 3.0 | | | 16.4 | | | | | 25.1 | 54.9 | 8.2 | 899 | |
| | 15-17 | 4.0 | | | 20.1 | | | | | 26.5 | 49.4 | 7.9 | 899 | |
| | 18-20 | 11.0 | | | 25.6 | | | | | 16.6 | 48.0 | 7.0 | 891 | |
| | 21-23 | 16.3 | | | 21.2 | | | | | 13.7 | 48.7 | 6.7 | 876 | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 69 | | | 18.3 | | | | | 18.7 | 53.1 | 7.5 | 7044 | |

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SKY COVER

727855 FAJ CHILD AFB GA 75-84

UIC

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

| MONTH | HOURS LST | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | TOTAL | | | |
|--------|--------------|---|---|---|------|---|---|---|---|---|-------|------|-----|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | |
| D. C. | 00-02 | 12.0 | | | 15.1 | | | | | | 12.4 | 59.7 | 7.5 | 878 |
| | 3-05 | 11.7 | | | 11.2 | | | | | | 13.9 | 65.1 | 7.9 | 898 |
| | 6-08 | 6.3 | | | 14.4 | | | | | | 15.8 | 63.5 | 6.2 | 910 |
| | 9-11 | 3.1 | | | 16.8 | | | | | | 18.3 | 62.6 | 6.4 | 916 |
| | 12-14 | . | | | 15.5 | | | | | | 20.4 | 60.2 | 8.3 | 921 |
| | 15-17 | 4.1 | | | 18.6 | | | | | | 19.9 | 57.4 | 8.1 | 924 |
| | 18-20 | 10.2 | | | 16.8 | | | | | | 14.2 | 56.8 | 7.7 | 916 |
| | 21-23 | 14.4 | | | 14.0 | | | | | | 12.9 | 58.8 | 7.5 | 902 |
| TOTALS | | | | | 15.3 | | | | | | 15.6 | 60.8 | 8.0 | 7265 |

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SKY COVER

727855 FAI CHILD AFB LA

75-85

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

| MONTH | HOURS LST | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | TOTAL OBSERVATIONS | |
|--------|--------------|---|---|---|------|---|---|---|---|------|------|-----------------------|-------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | |
| JAN | ALL | .1 | | | 15.4 | | | | | 14.3 | 65.1 | 8.2 | 7328 |
| FEB | | .4 | | | 1.2 | | | | | 20.5 | 58.0 | 8.1 | 6762 |
| MAR | | 17.0 | | | 24.8 | | | | | 25.6 | 39.6 | 7.0 | 7419 |
| APR | | 11.0 | | | 27.5 | | | | | 26.5 | 35.0 | 6.7 | 7179 |
| MAY | | 9 | | | 30.7 | | | | | 29.1 | 31.3 | 6.7 | 7377 |
| JUN | | .1 | | | 30.1 | | | | | 30.4 | 24.0 | 6.2 | 7002 |
| JUL | | 2.0 | | | 41.5 | | | | | 21.7 | 14.8 | 4.7 | 7249 |
| AUG | | 2.1 | | | 41.4 | | | | | 22.6 | 13.9 | 4.7 | 7433 |
| SEP | | 2.0 | | | 30.1 | | | | | 22.8 | 16.1 | 4.8 | 7194 |
| OCT | | 1.3 | | | 3.7 | | | | | 23.9 | 29.2 | 6.0 | 7351 |
| NOV | | .9 | | | 15.3 | | | | | 19.7 | 53.1 | 7.5 | 7044 |
| DEC | | .3 | | | 15.3 | | | | | 15.6 | 60.8 | 8.0 | 7265 |
| TOTALS | | 1.1 | | | 27.6 | | | | | 22.6 | 36.7 | 6.6 | 86603 |

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E PSYCHROMETRIC SUMMARIES

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

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperatures
 - b. Daily minimum temperatures
 - c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

* Values for means and standard deviations do not include components for incomplete months.

Continued on Reverse

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

These tables have been temporarily discontinued for the Russwo pending the advent of RUSSWO-2 in mid 1986.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
 - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

1

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC
 727855 FAIRCHILD AFB WA
 STATION STATION NAME

40-85

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

MAXIMUM

| TEMP °F | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 100 | | | | | | | 1.0 | .5 | | | | | .1 |
| 95 | | | | | | .5 | 5.4 | 4.2 | .1 | | | | .9 |
| 90 | | | | | .4 | 3.1 | 20.8 | 15.7 | 2.5 | | | | 3.6 |
| 85 | | | | .1 | 1.8 | 10.3 | 40.6 | 34.2 | 7.2 | | | | 7.9 |
| 80 | | | | .7 | 6.9 | 21.4 | 61.9 | 56.0 | 21.2 | .6 | | | 14.2 |
| 75 | | | | 2.0 | 16.2 | 39.2 | 78.1 | 73.0 | 36.3 | 3.5 | | | 20.8 |
| 70 | | | .3 | 6.5 | 31.6 | 58.3 | 90.3 | 87.5 | 53.9 | 10.1 | | | 28.4 |
| 65 | | | 1.6 | 14.6 | 49.5 | 78.3 | 97.6 | 95.4 | 70.5 | 20.8 | .2 | | 36.0 |
| 60 | | .2 | 5.1 | 29.1 | 67.0 | 92.6 | 99.3 | 99.1 | 86.1 | 37.7 | .5 | | 43.4 |
| 55 | .1 | 1.3 | 12.8 | 48.1 | 84.5 | 98.3 | 99.9 | 99.9 | 95.2 | 58.6 | 3.5 | .2 | 50.6 |
| 50 | .7 | 6.4 | 27.5 | 74.1 | 96.1 | 99.7 | 100.0 | | 99.3 | 80.3 | 14.5 | 1.7 | 58.8 |
| 45 | 5.1 | 19.4 | 54.3 | 93.5 | 99.6 | 100.0 | | 100.0 | 100.0 | 92.7 | 33.4 | 8.9 | 67.7 |
| 40 | 16.8 | 42.8 | 78.9 | 99.5 | 100.0 | | | | | 98.0 | 59.7 | 24.9 | 77.1 |
| 35 | 38.0 | 71.6 | 92.7 | 100.0 | | | | | | 99.7 | 79.7 | 48.0 | 86.0 |
| 30 | 60.1 | 88.1 | 97.3 | | | | | | | 99.9 | 93.5 | 72.4 | 92.7 |
| 25 | 76.2 | 94.4 | 99.4 | | | | | | | 100.0 | 97.8 | 86.6 | 96.2 |
| 20 | 85.6 | 98.1 | 99.9 | | | | | | | | 99.3 | 93.6 | 98.0 |
| 15 | 92.4 | 99.2 | 99.9 | | | | | | | | 99.6 | 97.1 | 99.0 |
| 10 | 97.3 | 99.7 | 100.0 | | | | | | | | 99.6 | 98.7 | 99.6 |
| 5 | 98.9 | 99.8 | | | | | | | | | 100.0 | 99.3 | 99.8 |
| 0 | 99.7 | 100.0 | | | | | | | | | | 99.6 | 99.9 |
| -5 | 100.0 | | | | | | | | | | | 99.8 | 100.0 |
| -10 | | | | | | | | | | | | 100.0 | 100.0 |
| MEAN | 31.6 | 38.0 | 45.6 | 55.4 | 64.6 | 72.0 | 81.7 | 80.2 | 70.6 | 57.1 | 41.0 | 33.5 | 55.9 |
| S.D. | 9.686 | 7.911 | 8.085 | 8.345 | 9.427 | 9.092 | 8.740 | 8.868 | 9.813 | 9.021 | 7.887 | 8.642 | 19.436 |
| TOTAL OBS | 1336 | 1214 | 1364 | 1350 | 1395 | 1320 | 1358 | 1333 | 1290 | 1333 | 1298 | 1333 | 15924 |

USAFETAC FORM 0-21 5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC
 727355 FAIRCHILD AFB WA
 STATION NAME

DAILY TEMPERATURES

40-85

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM DAILY OBSERVATIONS

MINIMUM

| TEMP °F | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN. A. |
|-----------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| 75 | | | | | | | .1 | | | | | | .0 |
| 74 | | | | | | .2 | .7 | | | | | | .1 |
| 73 | | | | | | .8 | 9.5 | .2 | | | | | 1.4 |
| 72 | | | | | 1.0 | 9.1 | 32.0 | 24.6 | 3.2 | | | | 5.8 |
| 71 | | | | .1 | 4.8 | 24.9 | 62.1 | 57.5 | 14.4 | .1 | | | 13.8 |
| 70 | | | | .9 | 19.7 | 53.8 | 87.0 | 86.6 | 43.3 | 2.8 | | .1 | 24.7 |
| 69 | .1 | .2 | .4 | 6.5 | 45.4 | 82.7 | 98.2 | 97.6 | 72.2 | 16.8 | .8 | .3 | 35.3 |
| 68 | 1.0 | 2.2 | 4.5 | 26.1 | 73.7 | 97.3 | 99.9 | 99.8 | 90.3 | 43.8 | 6.9 | 1.6 | 45.9 |
| 67 | 5.9 | 11.6 | 20.1 | 58.3 | 92.8 | 100.0 | 100.0 | 100.0 | 98.1 | 74.0 | 24.7 | 10.1 | 58.3 |
| 66 | 12.1 | 17.9 | 33.5 | 71.3 | 97.7 | | | | 99.3 | 82.6 | 37.2 | 17.3 | 64.5 |
| 65 | 24.4 | 39.8 | 59.8 | 89.6 | 99.6 | | | | 99.8 | 92.3 | 57.5 | 32.2 | 74.9 |
| 64 | 44.6 | 68.8 | 86.7 | 99.3 | 100.0 | | | | 100.0 | 98.9 | 80.0 | 57.0 | 86.4 |
| 63 | 63.2 | 84.3 | 94.9 | 100.0 | | | | | | 99.8 | 91.6 | 74.6 | 92.5 |
| 62 | 75.4 | 91.8 | 97.7 | | | | | | | 100.0 | 97.8 | 86.3 | 95.8 |
| 61 | 83.1 | 95.7 | 99.3 | | | | | | | | 99.1 | 93.2 | 97.5 |
| 60 | 89.6 | 98.1 | 99.7 | | | | | | | | 99.5 | 96.0 | 98.6 |
| 59 | 94.3 | 99.0 | 99.9 | | | | | | | | 99.8 | 98.1 | 99.3 |
| 58 | 97.5 | 99.2 | 100.0 | | | | | | | | 99.8 | 99.2 | 99.6 |
| 57 | 99.0 | 99.8 | | | | | | | | | 100.0 | 99.6 | 99.9 |
| 56 | 99.6 | 99.9 | | | | | | | | | | 99.7 | 99.9 |
| 55 | 99.9 | 100.0 | | | | | | | | | | 100.0 | 100.0 |
| 54 | 100.0 | | | | | | | | | | | | 100.0 |
| 53 | | | | | | | | | | | | | |
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| -3 | | | | | | | | | | | | | |
| -4 | | | | | | | | | | | | | |
| -5 | | | | | | | | | | | | | |
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| -17 | | | | | | | | | | | | | |
| -18 | | | | | | | | | | | | | |
| -19 | | | | | | | | | | | | | |
| -20 | | | | | | | | | | | | | |
| -21 | | | | | | | | | | | | | |
| -22 | | | | | | | | | | | | | |
| -23 | | | | | | | | | | | | | |
| -24 | | | | | | | | | | | | | |
| -25 | | | | | | | | | | | | | |
| MEAN | 20.9 | 26.3 | 30.1 | 36.0 | 43.8 | 50.4 | 56.4 | 55.6 | 48.0 | 38.4 | 29.8 | 24.4 | 38.3 |
| S D | 11.325 | 8.143 | 6.029 | 5.447 | 6.349 | 6.016 | 6.013 | 5.699 | 6.328 | 6.097 | 7.109 | 9.381 | 13.839 |
| TOTAL OBS | 1336 | 1214 | 1364 | 1350 | 1395 | 1320 | 1358 | 1333 | 1290 | 1333 | 1298 | 1333 | 15924 |

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC
 727855 FAIRCHILD AFB WA
 STATION STATION NAME

49-85

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

MEAN

| TEMP. °F | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN. A. |
|------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| 85 | | | | | | | .5 | .1 | | | | | .1 |
| 84 | | | | | | .3 | 5.8 | 4.4 | | | | | .9 |
| 83 | | | | | .3 | 3.3 | 24.4 | 18.8 | 2.0 | | | | 4.1 |
| 82 | | | | .1 | 2.5 | 14.8 | 51.3 | 43.4 | 9.3 | | | | 10.2 |
| 81 | | | | .5 | 9.1 | 31.7 | 73.0 | 68.9 | 26.9 | .6 | | | 17.7 |
| 80 | | | | 2.3 | 25.7 | 56.4 | 90.7 | 89.5 | 49.2 | 5.6 | | | 26.8 |
| 79 | | | .1 | 9.9 | 47.3 | 83.1 | 98.7 | 97.7 | 72.3 | 16.9 | .2 | | 35.8 |
| 78 | .1 | .2 | 4.1 | 27.3 | 72.0 | 97.3 | 99.8 | 99.9 | 90.5 | 40.5 | .8 | .2 | 44.7 |
| 77 | .4 | 3.3 | 13.6 | 53.4 | 92.4 | 99.9 | 100.0 | | 98.6 | 68.3 | 9.9 | 1.2 | 53.9 |
| 76 | 5.2 | 14.4 | 40.5 | 84.1 | 99.5 | 100.0 | | 100.0 | 99.8 | 88.8 | 29.5 | 8.8 | 64.7 |
| 75 | 20.4 | 41.4 | 74.3 | 92.7 | 100.0 | | | | 100.0 | 97.7 | 58.6 | 27.5 | 76.9 |
| 74 | 41.8 | 71.2 | 90.8 | 100.0 | | | | | | 99.7 | 81.6 | 54.5 | 86.8 |
| 73 | 62.9 | 87.3 | 96.5 | | | | | | | 99.9 | 93.8 | 74.9 | 93.0 |
| 72 | 77.4 | 93.7 | 99.0 | | | | | | | 100.0 | 97.9 | 87.9 | 96.4 |
| 71 | 84.7 | 97.2 | 99.6 | | | | | | | | 99.2 | 93.9 | 97.9 |
| 70 | 91.1 | 98.6 | 99.9 | | | | | | | | 99.6 | 97.0 | 98.9 |
| 69 | 96.5 | 99.3 | 100.0 | | | | | | | | 99.8 | 98.7 | 99.5 |
| 68 | 98.6 | 99.7 | | | | | | | | | 100.0 | 99.3 | 99.8 |
| 67 | 99.3 | 99.9 | | | | | | | | | | 99.5 | 99.9 |
| 66 | 99.9 | 100.0 | | | | | | | | | | 99.8 | 100.0 |
| 65 | 100.0 | | | | | | | | | | | 100.0 | 100.0 |
| MEAN | 25.9 | 32.3 | 38.0 | 45.9 | 54.4 | 61.4 | 69.2 | 68.1 | 59.5 | 47.9 | 35.6 | 29.1 | 47.3 |
| S.D. | 10.312 | 7.652 | 6.550 | 6.286 | 7.315 | 7.003 | 6.900 | 6.789 | 7.488 | 6.943 | 7.108 | 8.762 | 16.376 |
| TOTAL OBS. | 1336 | 1214 | 1364 | 1350 | 1395 | 1320 | 1358 | 1333 | 1290 | 1333 | 1298 | 1333 | 15924 |

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

727855 FAIRCHILD AFB WA
STATION STATION NAME

40-85 YEARS

WHOLE DEGREES FAHRENHEIT

| YEAR | MONTH | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|-----------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------|
| 40 | | | | | 75 | 89 | 97 | 100 | 97 | 92 | 77 | 54 | 52 | |
| 41 | | 47 | 57 | 70 | 80 | 88 | 92 | 104 | 98 | 77 | 70 | 58 | 58 | 104 |
| 42 | | 47 | 48 | 70 | 83 | 82 | 92 | 98 | | | | | | |
| 43 | | | | | | | | | | | * | 53 | | |
| 44 | * | 31 | | 61 | 74 | 84 | 90 | 95 | 90 | 95 | 75 | 55 | 50 | |
| 45 | | 50 | 51 | 58 | 72 | 81 | 88 | 95 | 94 | 89 | 77 | 60 | 46 | 95 |
| 46 | | 44 | 50 | 63 | 85 | 80 | 87 | 91 | 96 | 84 | 63 | 50 | 51 | 96 |
| 47 | | 45 | 57 | 68 | 77 | 84 | 85 | 97 | 92 | 86 | 74 | 50 | 45 | 97 |
| 48 | | 40 | 53 | 62 | 71 | 84 | 90* | 88 | 84 | 90 | 73 | 50 | 42 | 90 |
| 49 | | 36 | 49 | 56 | 78 | 88 | 90 | 98 | 91 | 91 | 64 | 57 | 46 | 98 |
| 50 | | 41 | 46 | 49 | 67 | 79 | 89 | 95 | 91 | 94 | 67 | 59 | 49 | 95 |
| 51 | | 43 | 51 | 56 | 71 | 83 | 85 | 96 | 93 | 84 | 73 | 50 | 47 | 96 |
| 52 | | 39 | 45 | 62 | 81 | 81 | 86 | 96 | 94 | 90 | 79 | 56 | 39 | 96 |
| 53 | | 50 | 51 | 65 | 68 | 83 | 80 | 95 | 98 | 90 | 75 | 59 | 46 | 98 |
| 54 | | 48 | 53 | 58 | 70 | 85 | 81 | 91 | 89 | 85 | 65 | 55 | 46 | 91 |
| 55 | | 39 | 45 | 49 | 64 | 74 | 96 | 95 | 90 | 92 | 67 | 54 | 46 | 96 |
| 56 | | 46 | 41 | 57 | 77 | 86 | 81 | 95 | 95 | 83 | 73 | 48 | 49 | 95 |
| 57 | | 35 | 52 | 54 | 81 | 85 | 87 | 90 | 88 | 86 | 65 | 52 | 53 | 90 |
| 58 | | 46 | 60 | 59 | 68 | 91 | 93 | 92 | 95 | 91 | 79 | 56 | 50 | 95 |
| 59 | | 49 | 46 | 54 | 68 | 79 | 87 | 100 | 93 | 87 | 66 | 58 | 51 | 100 |
| 60 | | 45 | 45 | 70 | 70 | 80 | 95 | 100 | 94 | 84 | 76 | 52 | 46 | 100 |
| 61 | | 48 | 50 | 58 | 66 | 84 | 93 | 93 | 104 | 77 | 76 | 47 | 44 | 104 |
| 62 | | 48 | 55 | 59 | 75 | 71 | 90 | 96 | 91 | 84 | 76 | 52 | 47 | 96 |
| 63 | | 45 | 54 | 61 | 71 | 82 | 88 | 86 | 92 | 89 | 80 | 54 | 39 | 92 |
| 64 | | 41 | 41 | 68 | 60 | 81 | 83 | 98 | 88 | 84 | 75 | 53 | 47 | 98 |
| 65 | | 41 | 48 | 60 | 69 | 78 | 86 | 94 | 95 | 78 | 77 | 68 | 48 | 95 |
| 66 | | 49 | 49 | 68 | 70 | 90 | 84 | 91 | 98 | 92 | 76 | 57 | 50 | 98 |
| 67 | | 51 | 54 | 53 | 59 | 79 | 89 | 103 | 101 | 91 | 72 | 52 | 44 | 103 |
| 68 | | 48 | 62 | 63 | 78 | 80 | 91 | 102 | 93 | 85 | 68 | 48 | 53 | 102 |
| 69 | * | 37 | 40 | 64 | 76 | 84 | 92 | 91 | 99 | 89 | 70 | 58 | 48 | 99 |
| MEAN | | | | | | | | | | | | | | |
| S D | | | | | | | | | | | | | | |
| TOTAL OBS | | | | | | | | | | | | | | |

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE /MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

727855 FAIRCHILD AFB WA
STATION STATION NAME

40-85

YEARS

WHOLE DEGREES FAHRENHEIT

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|
| 70 | 44 | 51 | 55 | 61 | 84 | 96 | 99 | 99 | 83 | 81 | 60 | 46 | 99 |
| 71 | 49 | 53 | 54 | 69 | 81 | 89 | 97 | 101 | 83 | 80 | 51 | 42 | 101 |
| 72 | 45 | 56 | 67 | 71 | 85 | 87 | 92 | 101 | 83 | 72 | 54 | 48 | 101 |
| 73 | 47 | 52 | 56 | 67 | 87 | 97 | 94 | 92 | 90 | 68 | 56 | 47 | 97 |
| 74 | 46 | 43 | 58 | 67 | 74 | 89 | 95 | 93 | 63 | 72 | 50 | 47 | 95 |
| 75 | 39 | 42 | 48 | 61 | 76 | 78 | 101 | 88 | 85 | 82 | 67 | 51 | 101 |
| 76 | 45 | 46 | 57 | 68 | 78 | 91 | 94 | 87 | 90 | 81 | 56 | 50 | 94 |
| 77 | 45 | 56 | 59 | 88 | 78 | 89 | 96 | 100 | 80 | 65 | 53 | 49 | 100 |
| 78 | 42 | 44 | 64 | 68 | 74 | 89 | 96 | 95 | 84 | 73 | 55 | 39 | 96 |
| 79 | 32 | 47 | 62 | 71 | 80 | 89 | 103 | 92 | 89 | 77 | 49 | 48 | 103 |
| 80 | 40 | 51 | 52 | 77 | 81 | 80 | 95 | 84 | 82 | 83 | 58 | 55 | 95 |
| 81 | 43 | 55 | 62 | 80 | 75 | 83 | 92 | 96 | 93 | 70 | 59 | 46 | 96 |
| 82 | 41 | 53 | 56 | 68 | 78 | 91 | 95 | 95 | 89 | 68 | 53 | 50 | 95 |
| 83 | 50 | 53 | 57 | 69 | 92 | 83 | 88 | 92 | 81 | 66 | 55 | 38 | 92 |
| 84 | 47 | 49 | 56 | 75 | 81 | 86 | 100 | 96 | 87 | 79 | 50 | 38 | 100 |
| 85 | 34 | 39 | 58 | 75 | 84 | | | | | | | | |
| MEAN | 44.1 | 49.8 | 59.5 | 72.0 | 81.8 | 88.0 | 95.7 | 93.8 | 86.5 | 73.1 | 54.6 | 47.1 | 97.4 |
| S D | 5.202 | 5.407 | 5.671 | 6.587 | 4.705 | 4.570 | 4.034 | 4.593 | 4.543 | 5.510 | 4.547 | 4.430 | 3.468 |
| TOTAL OBS | 1336 | 1214 | 1364 | 1350 | 1395 | 1320 | 1358 | 1333 | 1290 | 1333 | 1298 | 1333 | 15924 |

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

(AT LEAST ONE DAY LESS THAN 24 HRS)

GLOBAL CLIMATOLOGY BRANCH
 USAFLTAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

727855 FAIRCHILD AFB WA
STATION STATION NAME

40-85
YEARS

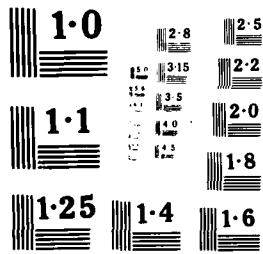
WHOLE DEGREES FAHRENHEIT

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

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OIA)

(AT LEAST ONE DAY LESS THAN 24 OBS)



GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES
 MINIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

727855 STATION FAIRCHILD AFB WA 40-85 YEARS

WHOLE DEGREES FAHRENHEIT

| MONTH YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|---------------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------|
| 70 | 8 | 27 | 15 | 28 | 37 | 42 | 48 | 51 | 32 | 28 | 8 | 2 | 2 |
| 71 | 10 | 15 | 6 | 28 | 34 | 40 | 38 | 43 | 35 | 18 | 22 | 2 | 2 |
| 72 | -6 | -7 | 23 | 22 | 31 | 42 | 44 | 48 | 29 | 23 | 24 | -1 | -7 |
| 73 | 4 | 17 | 28 | 26 | 35 | 37 | 42 | 44 | 39 | 33 | 18 | 12 | 4 |
| 74 | -5 | 25 | 22 | 29 | 31 | 40 | 45 | 49 | 38 | 26 | 23 | 8 | -5 |
| 75 | 1 | 11 | 20 | 25 | 33 | 42 | 52 | 50 | 40 | 27 | 11 | 15 | 1 |
| 76 | 16 | 13 | 12 | 28 | 34 | 37 | 47 | 42 | 37 | 27 | 16 | 15 | 12 |
| 77 | -1 | 19 | 23 | 24 | 33 | 38 | 45 | 46 | 36 | 28 | 7 | 5 | -1 |
| 78 | 1 | 21 | 18 | 29 | 32 | 42 | 49 | 44 | 34 | 25 | 12 | -17 | -17 |
| 79 | -10 | -9 | 23 | 24 | 35 | 35 | 41 | 50 | 44 | 30 | 17 | 20 | -10 |
| 80 | -1 | 13 | 21 | 27 | 39 | 39 | 47 | 37 | 36 | 27 | 20 | 10 | -1 |
| 81 | 19 | 5 | 26 | 27 | 33 | 39 | 40 | 51 | 37 | 29 | 21 | 16 | 5 |
| 82 | -8 | 7 | 26 | 27 | 30 | 40 | 42 | 50 | 39 | 26 | 12 | 7 | -8 |
| 83 | 11 | 20 | 25 | 26 | 34 | 42 | 44 | 48 | 33 | 30 | 21 | -10 | -10 |
| 84 | 6 | 21 | 28 | 29 | 32 | 35 | 46 | 40 | 32 | 15 | 21 | -1 | -1 |
| 85 | -1 | -7 | 18 | 29 | 27 | | | | | | | | |
| MEAN | 2.3 | 11.3 | 17.9 | 27.2 | 33.1 | 40.2 | 45.3 | 44.7 | 36.4 | 27.3 | 16.7 | 6.6 | -2.8 |
| S D | 10.569 | 10.550 | 7.102 | 2.679 | 3.454 | 3.139 | 3.320 | 3.960 | 3.966 | 4.015 | 6.224 | 9.991 | 9.350 |
| TOTAL OBS | 1336 | 1214 | 1364 | 1350 | 1395 | 1320 | 1358 | 1333 | 1290 | 1333 | 1298 | 1333 | 15924 |

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

(AT LEAST ONE DAY LESS THAN 24 HRS)

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR LEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

727 55 FAIRCHILD AFB WA

75-85

| STATION | | YEARS | | | | | | | | | | | | |
|-------------------------|-----------|-------|-------|-------|-------|-------|--------|--------|--------|--------|-------|-------|-------|--------|
| 727 55 FAIRCHILD AFB WA | | 75-85 | | | | | | | | | | | | |
| HRS - LST | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
| -02 | MEAN | 25.3 | 30.1 | 35.0 | 40.8 | 47.3 | 54.5 | 61.5 | 61.6 | 52.8 | 42.5 | 33.1 | 27.1 | 42.5 |
| | S D | 9.148 | 7.801 | 5.318 | 6.789 | 6.444 | 6.873 | 6.940 | 6.826 | 6.579 | 6.497 | 7.521 | 9.519 | 14.338 |
| | TOTAL OBS | 930 | 849 | 930 | 900 | 916 | 840 | 868 | 930 | 900 | 930 | 900 | 930 | 10823 |
| 3-04 | MEAN | 24. | 29.4 | 33.5 | 38.5 | 44.7 | 51.5 | 57.9 | 58.2 | 50.1 | 40.5 | 32.4 | 26.6 | 40.7 |
| | S D | 9.382 | 7.775 | 5.376 | 6.459 | 6.310 | 6.370 | 6.355 | 6.218 | 6.082 | 6.299 | 7.485 | 9.617 | 13.332 |
| | TOTAL OBS | 930 | 849 | 930 | 900 | 923 | 870 | 899 | 930 | 900 | 930 | 900 | 930 | 10891 |
| 6-04 | MEAN | 24.3 | 25.2 | 33.6 | 40.8 | 48.9 | 56.2 | 62.4 | 61.5 | 51.8 | 40.8 | 32.3 | 26.5 | 42.4 |
| | S D | 9.471 | 7.701 | 5.422 | 6.957 | 7.134 | 6.882 | 6.932 | 7.008 | 6.590 | 6.614 | 7.527 | 9.727 | 14.978 |
| | TOTAL OBS | 930 | 849 | 929 | 900 | 930 | 900 | 930 | 930 | 899 | 930 | 900 | 930 | 10957 |
| -11 | MEAN | 25. | 31.9 | 39.4 | 48.6 | 56.2 | 63.7 | 71.2 | 70.8 | 61.3 | 48.4 | 35.2 | 28.2 | 48.5 |
| | S D | 9.875 | 7.819 | 6.093 | 8.016 | 8.185 | 8.131 | 8.470 | 8.463 | 7.923 | 8.025 | 7.886 | 9.504 | 17.662 |
| | TOTAL OBS | 930 | 849 | 930 | 900 | 930 | 900 | 930 | 930 | 900 | 930 | 900 | 930 | 10959 |
| 12-14 | MEAN | 28.4 | 35.4 | 44.2 | 53.3 | 60.4 | 68.1 | 77.0 | 77.0 | 67.7 | 54.5 | 38.6 | 30.5 | 53.0 |
| | S D | 8.788 | 8.248 | 6.707 | 8.909 | 8.925 | 9.170 | 9.517 | 9.235 | 9.169 | 9.245 | 8.396 | 9.253 | 18.945 |
| | TOTAL OBS | 930 | 849 | 930 | 900 | 929 | 900 | 930 | 930 | 900 | 930 | 900 | 930 | 10958 |
| 15-17 | MEAN | 28.4 | 36.0 | 44.9 | 54.0 | 61.2 | 69.5 | 78.8 | 78.6 | 68.9 | 54.7 | 38.0 | 30.1 | 53.7 |
| | S D | 8.51 | 8.243 | 6.843 | 9.377 | 9.077 | 9.483 | 9.585 | 9.502 | 9.718 | 9.464 | 8.172 | 9.137 | 19.575 |
| | TOTAL OBS | 930 | 849 | 930 | 900 | 928 | 898 | 930 | 930 | 900 | 930 | 900 | 930 | 10959 |
| -2 | MEAN | 26.7 | 33.3 | 40.4 | 49.6 | 56.9 | 65.8 | 74.9 | 73.2 | 62.3 | 48.6 | 35.2 | 28.4 | 49.6 |
| | S D | 8.700 | 7.710 | 6.251 | 8.994 | 8.534 | 8.925 | 9.000 | 9.416 | 8.773 | 7.919 | 7.598 | 9.481 | 18.441 |
| | TOTAL OBS | 930 | 849 | 930 | 900 | 918 | 869 | 902 | 930 | 900 | 930 | 899 | 930 | 10887 |
| 1 23 | MEAN | 25. | 31.6 | 37.2 | 44.5 | 50.9 | 58.9 | 66.9 | 65.7 | 56.5 | 44.7 | 33.7 | 27.5 | 45.2 |
| | S D | 8.800 | 7.528 | 5.495 | 7.696 | 6.918 | 7.416 | 7.689 | 7.848 | 7.331 | 7.060 | 7.485 | 9.758 | 15.826 |
| | TOTAL OBS | 930 | 849 | 930 | 900 | 910 | 839 | 873 | 930 | 900 | 930 | 900 | 930 | 10821 |
| ALL HOURS | MEAN | 26.2 | 32.1 | 38.5 | 46.3 | 53.3 | 61.1 | 68.9 | 68.3 | 58.9 | 46.8 | 34.8 | 28.1 | 47.0 |
| | S D | 8.099 | 8.224 | 7.274 | 9.732 | 9.690 | 10.149 | 10.966 | 10.866 | 10.369 | 9.369 | 8.089 | 9.604 | 17.420 |
| | TOTAL OBS | 744 | 6792 | 7439 | 7200 | 7384 | 7016 | 7262 | 7440 | 7199 | 7440 | 7199 | 7440 | 87251 |

GLOBAL CLIMATOLOGY BRANCH
 WPAFB ETAC
 AIR WEATHER SERVICE MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

7278.5 FAIRCHILD AFB WA

75-85

| STATION | STATION NAME | YEARS | | | | | | | | | | | | ANNUAL |
|-----------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| HRS LST | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 0-02 | MEAN | 24.3 | 28.7 | 32.8 | 36.8 | 42.6 | 48.5 | 53.2 | 52.7 | 47.0 | 39.1 | 31.6 | 26.0 | 38.5 |
| | S D | 7.27 | 7.784 | 5.395 | 5.823 | 5.403 | 5.480 | 5.332 | 4.536 | 5.381 | 5.730 | 7.331 | 9.358 | 11.785 |
| | TOTAL OBS | 930 | 849 | 930 | 910 | 907 | 840 | 868 | 929 | 900 | 930 | 900 | 930 | 10813 |
| 3-0 | MEAN | 24.0 | 28.2 | 31.7 | 35.4 | 41.2 | 47.1 | 51.7 | 51.5 | 45.8 | 38.0 | 31.1 | 25.5 | 37.6 |
| | S D | 9.42 | 7.784 | 5.442 | 5.717 | 5.571 | 5.518 | 5.279 | 4.587 | 5.440 | 5.837 | 7.371 | 9.455 | 11.552 |
| | TOTAL OBS | 930 | 849 | 930 | 899 | 914 | 870 | 899 | 929 | 900 | 930 | 900 | 930 | 10880 |
| 6-0 | MEAN | 23.5 | 28.0 | 31.8 | 37.1 | 44.2 | 50.2 | 54.5 | 53.8 | 47.2 | 38.3 | 31.0 | 25.4 | 38.8 |
| | S D | 9.574 | 7.733 | 5.501 | 5.817 | 5.530 | 5.320 | 5.007 | 4.523 | 5.577 | 5.971 | 7.422 | 9.583 | 12.524 |
| | TOTAL OBS | 93 | 849 | 929 | 910 | 922 | 900 | 930 | 930 | 899 | 930 | 900 | 930 | 10949 |
| -11 | MEAN | 24.0 | 30.2 | 35.8 | 41.7 | 47.9 | 53.5 | 58.1 | 57.8 | 51.9 | 43.1 | 33.3 | 26.9 | 42.1 |
| | S D | 6.999 | 7.624 | 5.460 | 5.909 | 5.516 | 5.148 | 4.969 | 4.303 | 5.343 | 5.881 | 7.390 | 9.239 | 13.133 |
| | TOTAL OBS | 929 | 849 | 930 | 910 | 924 | 900 | 930 | 930 | 899 | 930 | 900 | 930 | 10951 |
| 12-14 | MEAN | 26.0 | 32.6 | 38.5 | 43.7 | 49.4 | 54.7 | 59.5 | 59.1 | 53.7 | 45.8 | 35.4 | 28.7 | 44.0 |
| | S D | 8.55 | 7.57 | 5.593 | 6.178 | 5.514 | 5.191 | 4.855 | 4.151 | 5.276 | 5.961 | 7.420 | 8.777 | 12.830 |
| | TOTAL OBS | 93 | 849 | 930 | 910 | 923 | 900 | 930 | 930 | 900 | 930 | 900 | 930 | 10952 |
| 15-17 | MEAN | 26.0 | 33.0 | 38.8 | 43.7 | 49.3 | 54.9 | 59.5 | 59.0 | 53.5 | 45.6 | 35.0 | 28.4 | 44.0 |
| | S D | 8.373 | 7.495 | 6.610 | 6.146 | 5.407 | 5.146 | 4.684 | 4.043 | 5.132 | 5.969 | 7.319 | 8.798 | 12.795 |
| | TOTAL OBS | 93 | 849 | 930 | 910 | 917 | 898 | 930 | 930 | 900 | 930 | 900 | 930 | 10944 |
| 1-2 | MEAN | 24.5 | 31.1 | 36.4 | 41.7 | 47.7 | 53.7 | 58.3 | 57.0 | 50.8 | 42.5 | 33.2 | 27.1 | 42.0 |
| | S D | 8.724 | 7.400 | 5.581 | 6.233 | 5.417 | 5.262 | 4.822 | 4.292 | 5.092 | 5.759 | 7.196 | 9.313 | 12.786 |
| | TOTAL OBS | 93 | 849 | 930 | 910 | 908 | 869 | 902 | 930 | 900 | 930 | 899 | 929 | 10876 |
| 1-23 | MEAN | 24.0 | 29.9 | 34.3 | 39.0 | 44.7 | 50.8 | 55.4 | 54.2 | 48.4 | 40.4 | 32.0 | 26.3 | 39.9 |
| | S D | 8.851 | 7.436 | 5.401 | 6.070 | 5.257 | 5.317 | 5.127 | 4.420 | 5.215 | 5.836 | 7.185 | 9.575 | 12.150 |
| | TOTAL OBS | 93 | 849 | 930 | 900 | 901 | 839 | 873 | 930 | 900 | 930 | 900 | 930 | 10812 |
| ALL HOURS | MEAN | 25.0 | 30.2 | 35.0 | 39.9 | 45.9 | 51.7 | 56.3 | 55.6 | 49.8 | 41.6 | 32.8 | 26.8 | 40.9 |
| | S D | 7.034 | 7.811 | 6.103 | 6.716 | 6.184 | 5.977 | 5.734 | 5.157 | 6.044 | 6.558 | 7.495 | 9.333 | 12.679 |
| | TOTAL OBS | 7435 | 6792 | 7439 | 7199 | 7316 | 7016 | 7262 | 7438 | 7198 | 7440 | 7199 | 7439 | 87177 |

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

727855 FAIRCHILD AFB WA

75-85

| STATION | | YEARS | | | | | | | | | | | | |
|-------------------------|-----------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| 727855 FAIRCHILD AFB WA | | 75-85 | | | | | | | | | | | | |
| HRS LST | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
| 0-0 | MEAN | 1. | 25.1 | 29.1 | 31.4 | 37.7 | 42.8 | 46.2 | 45.0 | 41.2 | 34.9 | 28.8 | 23.0 | 33.8 |
| | S D | 11.466 | 9.762 | 7.324 | 7.005 | 6.581 | 6.844 | 7.277 | 6.699 | 6.874 | 6.999 | 8.776 | 10.798 | 11.689 |
| | TOTAL OBS | 930 | 849 | 930 | 900 | 907 | 840 | 868 | 929 | 900 | 930 | 900 | 930 | 10613 |
| 3-0 | MEAN | 0. | 25.1 | 28.3 | 30.9 | 37.3 | 42.7 | 46.4 | 45.7 | 41.5 | 34.6 | 28.5 | 22.6 | 33.7 |
| | S D | 11.679 | 9.682 | 7.302 | 6.715 | 6.458 | 6.623 | 6.654 | 6.124 | 6.840 | 7.009 | 8.864 | 10.890 | 11.826 |
| | TOTAL OBS | 930 | 849 | 930 | 899 | 914 | 879 | 899 | 929 | 900 | 930 | 900 | 930 | 10880 |
| 6-0 | MEAN | 10.4 | 25.1 | 26.6 | 32.2 | 39.3 | 44.8 | 48.3 | 47.7 | 42.9 | 35.2 | 28.5 | 22.6 | 34.7 |
| | S D | 11.699 | 9.492 | 7.234 | 6.541 | 6.070 | 6.249 | 5.980 | 5.538 | 6.625 | 6.921 | 8.841 | 10.988 | 12.338 |
| | TOTAL OBS | 93 | 849 | 929 | 900 | 922 | 900 | 930 | 930 | 899 | 930 | 900 | 930 | 10949 |
| -1 | MEAN | 21. | 26.8 | 30.6 | 33.6 | 39.9 | 45.0 | 48.6 | 48.2 | 43.9 | 37.3 | 30.1 | 23.7 | 35.8 |
| | S D | 11.183 | 9.334 | 7.178 | 6.965 | 6.777 | 6.504 | 6.077 | 5.455 | 6.420 | 6.769 | 8.765 | 10.776 | 12.004 |
| | TOTAL OBS | 929 | 849 | 930 | 900 | 924 | 900 | 930 | 930 | 899 | 930 | 900 | 930 | 10951 |
| 12-1 | MEAN | 23.0 | 27.1 | 31.1 | 32.9 | 38.9 | 43.7 | 46.9 | 45.9 | 41.8 | 36.8 | 30.7 | 24.8 | 35.4 |
| | S D | 11.671 | 9.471 | 7.598 | 7.579 | 7.300 | 7.077 | 6.397 | 5.899 | 6.753 | 7.331 | 8.882 | 10.385 | 11.266 |
| | TOTAL OBS | 93 | 849 | 930 | 900 | 923 | 900 | 930 | 930 | 900 | 930 | 900 | 930 | 10952 |
| 15-1 | MEAN | 23.0 | 27.1 | 30.9 | 31.9 | 37.9 | 42.8 | 45.3 | 44.2 | 40.2 | 36.0 | 30.5 | 24.6 | 34.7 |
| | S D | 11.634 | 9.491 | 7.855 | 7.778 | 7.430 | 7.321 | 6.916 | 6.260 | 6.640 | 7.580 | 8.793 | 10.481 | 10.977 |
| | TOTAL OBS | 93 | 849 | 930 | 900 | 917 | 898 | 930 | 930 | 900 | 930 | 900 | 930 | 10944 |
| -2 | MEAN | 22.0 | 27.1 | 30.0 | 32.2 | 38.4 | 43.4 | 45.6 | 44.2 | 40.2 | 35.6 | 29.8 | 23.8 | 34.4 |
| | S D | 11.006 | 9.417 | 7.550 | 7.613 | 7.220 | 7.407 | 7.467 | 6.521 | 6.663 | 7.449 | 8.520 | 11.087 | 11.332 |
| | TOTAL OBS | 93 | 849 | 930 | 900 | 908 | 869 | 902 | 930 | 900 | 930 | 899 | 929 | 10876 |
| 1-23 | MEAN | 21. | 26.5 | 30.0 | 31.9 | 38.4 | 43.6 | 46.0 | 44.5 | 40.5 | 35.1 | 29.0 | 23.1 | 34.1 |
| | S D | 11.179 | 9.471 | 7.311 | 7.449 | 6.580 | 7.132 | 7.666 | 6.560 | 6.915 | 7.327 | 8.519 | 11.166 | 11.559 |
| | TOTAL OBS | 93 | 849 | 930 | 900 | 901 | 839 | 873 | 930 | 900 | 930 | 900 | 930 | 10812 |
| ALL HOURS | MEAN | 21. | 26.5 | 29.9 | 32.1 | 38.5 | 43.6 | 46.7 | 45.7 | 41.5 | 35.7 | 29.5 | 23.5 | 34.6 |
| | S D | 11.205 | 9.574 | 7.488 | 7.258 | 6.862 | 6.950 | 6.908 | 6.308 | 6.826 | 7.229 | 8.784 | 10.849 | 11.652 |
| | TOTAL OBS | 7439 | 6792 | 7439 | 7199 | 7316 | 7016 | 7262 | 7438 | 7198 | 7440 | 7199 | 7439 | 87177 |

GENERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR HEATER SERVICE/MAC

RELATIVE HUMIDITY

7 7855 FAIRCHILD AF WA 76-85 JAN
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS |
|--------|----------------|--|-------|-------|-------|------|------|------|------|------|------------------------------|------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JAN | 1-01 | 100.0 | 100.0 | 100.0 | 100.0 | 97.2 | 93.1 | 86.9 | 72.5 | 36.8 | 84.4 | 930 |
| | 5-05 | 100.0 | 100.0 | 100.0 | 100.0 | 98.2 | 93.9 | 88.0 | 75.3 | 37.6 | 84.9 | 930 |
| | 9-09 | 100.0 | 100.0 | 100.0 | 99.8 | 97.8 | 93.4 | 88.1 | 75.7 | 40.1 | 85.3 | 930 |
| | 13-11 | 100.0 | 100.0 | 100.0 | 99.4 | 97.4 | 93.5 | 87.5 | 72.8 | 36.8 | 84.4 | 929 |
| | 17-14 | 100.0 | 100.0 | 99.9 | 98.8 | 96.5 | 90.1 | 80.0 | 61.7 | 27.4 | 80.9 | 930 |
| | 19-17 | 100.0 | 100.0 | 99.7 | 98.7 | 96.0 | 90.2 | 80.0 | 62.3 | 26.7 | 80.9 | 930 |
| | 21-21 | 100.0 | 100.0 | 100.0 | 99.5 | 96.0 | 92.8 | 84.7 | 70.6 | 31.6 | 83.0 | 930 |
| | 31-23 | 100.0 | 100.0 | 100.0 | 99.6 | 97.0 | 93.1 | 85.9 | 73.2 | 34.7 | 84.0 | 930 |
| TOTALS | | 100.0 | 100.0 | 100.0 | 99.5 | 97.0 | 92.5 | 85.1 | 70.5 | 34.0 | 83.5 | 7439 |

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

727855
STATION

FAIRCHILD AFB MA
STATION NAME

76-85

PERIOD

FEB
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS |
|--------|----------------|--|-------|-------|------|------|------|------|------|------|------------------------------|-----------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| FEB | 0-22 | 100.0 | 100.0 | 99.8 | 99.3 | 98.2 | 95.5 | 86.2 | 67.1 | 31.4 | 83.4 | 849 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 99.3 | 98.7 | 96.7 | 89.5 | 72.1 | 33.7 | 84.3 | 849 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 99.4 | 98.9 | 97.2 | 91.6 | 74.9 | 36.0 | 85.1 | 849 |
| | 09-11 | 100.0 | 100.0 | 99.9 | 99.4 | 97.9 | 94.0 | 82.0 | 61.5 | 27.4 | 81.9 | 849 |
| | 12-14 | 100.0 | 99.9 | 99.4 | 97.8 | 93.5 | 82.8 | 65.0 | 44.4 | 15.9 | 75.5 | 849 |
| | 15-17 | 100.0 | 100.0 | 99.3 | 97.1 | 91.3 | 80.1 | 63.5 | 40.9 | 14.7 | 74.3 | 849 |
| | 18-20 | 100.0 | 100.0 | 99.6 | 98.9 | 96.0 | 89.0 | 73.7 | 55.8 | 22.4 | 79.0 | 849 |
| | 21-23 | 100.0 | 100.0 | 99.5 | 99.3 | 97.8 | 94.1 | 83.2 | 63.1 | 28.3 | 81.9 | 849 |
| TOTALS | | 100.0 | 100.0 | 99.7 | 98.8 | 96.4 | 91.2 | 79.3 | 60.0 | 26.2 | 80.7 | 6792 |

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

127855
 STATION

FAIRCHILD AFB MA
 STATION NAME

76-85
 PERIOD

MAR
 MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS |
|-------|----------------|--|-------|-------|-------|------|------|------|------|------|------------------------------|-----------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| MA | 00-04 | 100.0 | 100.0 | 100.0 | 99.6 | 97.7 | 90.2 | 76.0 | 54.7 | 24.1 | 79.8 | 930 |
| | 05-09 | 100.0 | 100.0 | 100.0 | 99.9 | 98.1 | 92.5 | 82.2 | 62.9 | 29.4 | 81.9 | 930 |
| | 10-14 | 100.0 | 100.0 | 100.0 | 100.0 | 97.8 | 93.2 | 82.7 | 64.4 | 30.2 | 82.3 | 929 |
| | 15-19 | 100.0 | 100.0 | 99.9 | 98.1 | 92.2 | 75.6 | 53.7 | 32.0 | 12.9 | 72.2 | 930 |
| | 20-24 | 100.0 | 100.0 | 98.9 | 93.4 | 71.9 | 45.1 | 27.6 | 16.1 | 6.8 | 61.7 | 930 |
| | 25-29 | 100.0 | 100.0 | 98.8 | 86.9 | 66.3 | 42.6 | 26.0 | 16.6 | 7.2 | 60.3 | 930 |
| | 30-34 | 100.0 | 100.0 | 99.9 | 97.7 | 87.3 | 69.1 | 46.3 | 26.3 | 11.8 | 69.5 | 930 |
| | 35-39 | 100.0 | 100.0 | 100.0 | 99.6 | 95.8 | 84.8 | 65.1 | 43.2 | 17.7 | 76.2 | 930 |
| | 40-44 | | | | | | | | | | | |
| | 45-49 | | | | | | | | | | | |
| | 50-54 | | | | | | | | | | | |
| | 55-59 | | | | | | | | | | | |
| | 60-64 | | | | | | | | | | | |
| | 65-69 | | | | | | | | | | | |
| | 70-74 | | | | | | | | | | | |
| | 75-79 | | | | | | | | | | | |
| | 80-84 | | | | | | | | | | | |
| | 85-89 | | | | | | | | | | | |
| | 90-94 | | | | | | | | | | | |
| | 95-99 | | | | | | | | | | | |
| | TOTALS | 100.0 | 100.0 | 99.7 | 96.9 | 88.4 | 74.1 | 57.5 | 39.5 | 17.5 | 73.0 | 7439 |

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE ZMAC

RELATIVE HUMIDITY

727805
STATION

FAI CHILD AFB WA
STATION NAME

76-85

PERIOD

APR
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LIST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS |
|--------|-----------------|--|-------|-------|------|------|------|------|------|------|------------------------------|-----------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| APR | 00-07 | 100.0 | 100.0 | 100.0 | 97.4 | 88.8 | 75.3 | 50.3 | 26.6 | 6.3 | 70.4 | 900 |
| | 08-15 | 100.0 | 100.0 | 100.0 | 99.2 | 95.4 | 85.4 | 64.0 | 38.8 | 10.3 | 75.1 | 899 |
| | 16-23 | 100.0 | 100.0 | 99.9 | 98.2 | 93.2 | 80.2 | 56.9 | 33.0 | 10.1 | 72.8 | 900 |
| | 24-31 | 100.0 | 100.0 | 98.7 | 88.0 | 67.2 | 39.4 | 20.8 | 9.1 | 3.1 | 58.3 | 900 |
| | 00-07 | 100.0 | 99.1 | 90.1 | 64.5 | 36.9 | 18.3 | 10.7 | 4.6 | 1.8 | 48.2 | 900 |
| | 08-15 | 100.0 | 97.2 | 83.2 | 55.3 | 31.9 | 17.6 | 9.1 | 5.0 | 1.4 | 45.8 | 900 |
| | 16-23 | 100.0 | 99.3 | 91.3 | 76.2 | 55.0 | 33.8 | 18.2 | 8.9 | 2.6 | 54.2 | 900 |
| | 24-31 | 100.0 | 100.0 | 97.8 | 90.3 | 76.7 | 56.7 | 34.6 | 16.4 | 3.9 | 63.4 | 900 |
| TOTALS | | 100.0 | 9.5 | 95.1 | 83.7 | 68.1 | 50.8 | 33.1 | 16.1 | 4.9 | 61.0 | 7199 |

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

727855
 STATION

FAI CHILL AFB WA
 STATION NAME

76-85
 PERIOD

MAY
 MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)**

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS |
|---------------|----------------|--|-------|-------|------|------|------|------|------|------|------------------------------|-----------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90 | | |
| MAY | 0-07 | 100.0 | 100.0 | 100.0 | 97.9 | 89.9 | 74.1 | 52.0 | 29.5 | 7.9 | 70.9 | 907 |
| | 08-01 | 100.0 | 100.0 | 99.9 | 99.5 | 97.3 | 87.9 | 67.2 | 42.6 | 13.3 | 76.4 | 914 |
| | 02-05 | 100.0 | 100.0 | 99.7 | 98.2 | 89.8 | 75.9 | 53.9 | 28.7 | 8.2 | 71.1 | 922 |
| | 06-11 | 100.0 | 100.0 | 96.3 | 81.9 | 62.2 | 38.0 | 22.1 | 11.5 | 3.6 | 57.1 | 924 |
| | 12-14 | 100.0 | 98.2 | 84.6 | 62.0 | 37.5 | 22.5 | 13.0 | 5.5 | 1.3 | 48.1 | 923 |
| | 15-17 | 100.0 | 96.5 | 77.9 | 54.9 | 32.9 | 18.8 | 12.4 | 4.1 | .7 | 45.5 | 917 |
| | 18-21 | 100.0 | 99.6 | 90.4 | 70.3 | 50.3 | 33.8 | 21.5 | 9.3 | 2.4 | 53.3 | 908 |
| | 22-23 | 100.0 | 100.0 | 99.0 | 93.3 | 77.1 | 57.2 | 36.1 | 18.4 | 5.1 | 64.4 | 901 |
| TOTALS | | 100.0 | 99.2 | 93.5 | 82.3 | 67.1 | 51.0 | 34.8 | 18.7 | 5.3 | 60.9 | 7316 |

GENERAL CLIMATE/CLIMATE BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

7278-5
 STATION

FAL CHILD AFB A
 STATION NAME

75-84

PERIOD

JUN
 MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS LST | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS |
|--------|--------------|--|-------|------|------|------|------|------|------|-----|------------------------------|-----------------------|
| | | 10 | 20 | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JUN | 0-01 | 100.0 | 100.0 | 99.5 | 95.1 | 81.1 | 62.9 | 41.8 | 21.3 | 4.3 | 56.5 | 840 |
| | 03-04 | 100.0 | 100.0 | 99.8 | 98.6 | 93.7 | 79.5 | 60.7 | 32.1 | 7.5 | 73.1 | 870 |
| | 06-08 | 100.0 | 100.0 | 99.9 | 97.0 | 86.1 | 65.1 | 42.6 | 19.6 | 5.1 | 67.2 | 900 |
| | 10-11 | 100.0 | 99.9 | 94.1 | 75.4 | 49.9 | 28.7 | 16.9 | 8.0 | 2.4 | 53.2 | 900 |
| | 13-14 | 100.0 | 96.8 | 76.8 | 52.0 | 28.8 | 16.6 | 10.9 | 5.9 | 1.1 | 44.5 | 900 |
| | 16-17 | 100.0 | 95.0 | 68.3 | 41.9 | 24.4 | 15.4 | 9.5 | 4.2 | 1.1 | 41.5 | 898 |
| | 19-21 | 100.0 | 97.2 | 81.0 | 58.2 | 38.2 | 22.3 | 13.1 | 6.2 | 1.2 | 47.5 | 869 |
| | 23 | 100.0 | 99.8 | 96.7 | 83.8 | 65.8 | 46.7 | 30.2 | 12.5 | 1.9 | 59.5 | 839 |
| TOTALS | | 100.0 | 8.6 | 89.6 | 75.3 | 58.5 | 42.2 | 28.2 | 13.7 | 3.1 | 56.6 | 7016 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

72735
STATION

FAIRCHILD AFB MA

STATION NAME

75-84

PERIOD

JUL
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS LST | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS |
|--------|--------------|--|-------|------|------|------|------|------|------|-----|------------------------------|------------------------|
| | | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | | |
| J | 0-02 | 100.0 | 99.5 | 97.4 | 86.8 | 68.3 | 45.9 | 24.5 | 10.6 | 3.2 | 59.3 | 868 |
| | 03-10 | 100.0 | 100.0 | 99.3 | 96.9 | 86.0 | 67.4 | 42.0 | 18.9 | 4.7 | 67.3 | 899 |
| | 11-20 | 100.0 | 100.0 | 98.9 | 94.1 | 77.3 | 49.4 | 26.7 | 11.4 | 2.5 | 61.7 | 930 |
| | 21-31 | 100.0 | 99.9 | 95.4 | 61.7 | 32.4 | 15.2 | 8.1 | 3.7 | .8 | 46.8 | 930 |
| | 1-14 | 100.0 | 92.4 | 63.0 | 30.4 | 12.6 | 7.6 | 4.5 | 2.5 | .5 | 37.0 | 930 |
| | 1-17 | 99.7 | 83.4 | 49.6 | 21.7 | 10.5 | 7.5 | 4.2 | 1.5 | .3 | 33.3 | 930 |
| | 1-2 | 99.8 | 90.9 | 61.3 | 35.0 | 17.4 | 10.4 | 6.5 | 3.0 | .4 | 38.2 | 902 |
| | 1-23 | 100.0 | 98.9 | 88.1 | 66.0 | 43.0 | 23.4 | 14.0 | 6.9 | 1.6 | 49.9 | 873 |
| TOTALS | | 99.9 | 95.6 | 80.9 | 61.6 | 43.4 | 28.4 | 16.3 | 7.3 | 1.8 | 49.2 | 7262 |

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

GENERAL CLIMATOLOGY BRANCH
 AFCEC
 AF WEATHER SERVICE MAC

RELATIVE HUMIDITY

1278-5 STATION: FAL CHILL AFB #A PERIOD: 75-P4 MONTH: AUG

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS LST | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS |
|--------|--------------|--|-------|------|------|------|------|------|------|-----|------------------------------|------------------------|
| | | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | | |
| AUG | 0-02 | 100.0 | 99.8 | 94.7 | 79.8 | 59.4 | 42.2 | 23.9 | 10.7 | 2.9 | 57.2 | 929 |
| | 04-06 | 100.0 | 100.0 | 99.0 | 92.4 | 80.5 | 62.6 | 37.9 | 15.9 | 5.4 | 65.1 | 929 |
| | 08-10 | 100.0 | 100.0 | 98.4 | 90.4 | 76.1 | 54.2 | 32.8 | 12.4 | 3.9 | 62.7 | 930 |
| | 11-11 | 100.0 | 89.0 | 85.1 | 62.0 | 36.7 | 17.7 | 9.4 | 4.3 | 1.6 | 47.2 | 930 |
| | 13-14 | 100.0 | 89.4 | 57.6 | 28.1 | 13.8 | 7.5 | 5.3 | 1.5 | .3 | 36.0 | 930 |
| | 15-17 | 100.0 | 79.6 | 40.0 | 21.3 | 10.6 | 6.8 | 3.7 | 1.8 | .6 | 32.4 | 930 |
| | 18-20 | 100.0 | 89.5 | 61.5 | 36.5 | 21.7 | 12.7 | 6.0 | 2.6 | .4 | 38.8 | 930 |
| | 21-23 | 100.0 | 89.1 | 85.3 | 63.3 | 41.2 | 25.5 | 14.7 | 5.5 | 1.3 | 49.3 | 930 |
| TOTALS | 1 | 100.0 | 94.0 | 78.5 | 59.3 | 42.5 | 28.7 | 16.8 | 6.6 | 2.1 | 48.0 | 7438 |

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

727855
 STATION

FAIRCHILD AFB WA
 STATION NAME

75-84

PERIOD

SEP
 MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS |
|--------|----------------|--|-------|-------|------|------|------|------|------|------|------------------------------|-----------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| 9-1 | 0-02 | 100.0 | 100.0 | 99.8 | 96.3 | 83.9 | 59.3 | 38.1 | 22.2 | 8.3 | 66.5 | 900 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 98.4 | 94.3 | 79.1 | 58.1 | 33.0 | 11.7 | 73.4 | 900 |
| | 6-08 | 100.0 | 100.0 | 100.0 | 98.9 | 93.4 | 78.2 | 59.1 | 30.4 | 9.9 | 72.8 | 899 |
| | 9-11 | 100.0 | 100.0 | 97.4 | 82.3 | 54.6 | 31.0 | 15.5 | 7.6 | 2.9 | 54.0 | 899 |
| | 12-14 | 100.0 | 98.0 | 75.2 | 41.7 | 20.7 | 10.3 | 7.2 | 4.2 | 1.7 | 41.5 | 900 |
| | 15-17 | 100.0 | 95.4 | 58.0 | 30.6 | 15.9 | 10.9 | 8.3 | 3.9 | 1.1 | 38.1 | 900 |
| | 18-20 | 100.0 | 99.6 | 84.1 | 53.7 | 34.2 | 21.4 | 13.2 | 8.1 | 2.7 | 47.3 | 900 |
| | 21-23 | 100.0 | 99.8 | 97.7 | 85.0 | 57.0 | 37.2 | 23.0 | 13.3 | 5.4 | 57.7 | 900 |
| TOTALS | | 100.0 | 99.1 | 89.0 | 73.4 | 56.8 | 40.9 | 27.8 | 15.3 | 5.5 | 56.5 | 7198 |

GLOBAL CLIMATOLOGY BRANCH
 AFATETAC
 AIR WEATHER SERVICE/MAJ

RELATIVE HUMIDITY

7278.5
 STATION

FAIRCHILD AFB WA
 STATION NAME

75-84

PERIOD

OCT
 MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS |
|--------|----------------|--|-------|-------|------|------|------|------|------|------|------------------------------|-----------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| OCT | 0-02 | 100.0 | 100.0 | 100.0 | 98.9 | 94.3 | 81.6 | 63.4 | 41.4 | 21.5 | 75.9 | 930 |
| | 3-5 | 100.0 | 100.0 | 100.0 | 99.7 | 97.8 | 89.5 | 76.2 | 54.7 | 28.4 | 80.4 | 930 |
| | 6-08 | 100.0 | 100.0 | 100.0 | 99.6 | 97.6 | 90.1 | 79.6 | 59.2 | 28.4 | 81.3 | 930 |
| | 9-11 | 100.0 | 100.0 | 99.4 | 93.7 | 79.9 | 62.7 | 44.0 | 27.8 | 13.1 | 68.0 | 930 |
| | 12-14 | 100.0 | 99.9 | 92.2 | 70.8 | 51.2 | 34.0 | 21.9 | 13.4 | 5.6 | 54.6 | 930 |
| | 15-17 | 100.0 | 99.7 | 88.1 | 66.5 | 48.2 | 33.0 | 21.3 | 13.4 | 4.9 | 53.1 | 930 |
| | 18-20 | 100.0 | 99.9 | 98.1 | 86.7 | 70.4 | 52.5 | 37.5 | 23.5 | 10.2 | 63.7 | 930 |
| | 21-23 | 100.0 | 100.0 | 99.7 | 97.1 | 86.2 | 68.2 | 51.1 | 33.4 | 16.0 | 71.0 | 930 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 99.9 | 97.0 | 89.1 | 78.2 | 64.0 | 49.4 | 33.4 | 16.0 | 68.5 | 7440 |

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

7278-5 FAIRCHILD AFB WA 75-84 NOV

STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS |
|--------|----------------|--|-------|-------|------|------|------|------|------|------|------------------------------|------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| NOV | 0-02 | 100.0 | 100.0 | 100.0 | 99.4 | 98.1 | 94.8 | 87.1 | 75.6 | 38.0 | 84.8 | 900 |
| | 3-05 | 100.0 | 100.0 | 100.0 | 99.4 | 99.0 | 95.7 | 89.2 | 77.4 | 41.1 | 85.8 | 900 |
| | 6-08 | 100.0 | 100.0 | 100.0 | 99.4 | 98.7 | 96.3 | 90.2 | 79.4 | 43.7 | 86.3 | 900 |
| | 9-11 | 100.0 | 100.0 | 100.0 | 99.3 | 96.8 | 91.7 | 82.4 | 65.4 | 33.6 | 82.5 | 900 |
| | 12-14 | 100.0 | 100.0 | 99.3 | 97.6 | 90.8 | 80.1 | 63.1 | 42.7 | 20.0 | 74.9 | 900 |
| | 15-17 | 100.0 | 100.0 | 99.4 | 97.4 | 92.3 | 82.8 | 67.0 | 44.6 | 19.7 | 75.8 | 900 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 99.3 | 97.7 | 91.4 | 80.3 | 62.8 | 27.0 | 81.4 | 899 |
| | 1-23 | 100.0 | 100.0 | 100.0 | 99.2 | 97.4 | 94.4 | 85.4 | 69.7 | 31.9 | 83.3 | 900 |
| | | | | | | | | | | | | |
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| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 99.8 | 98.9 | 96.4 | 90.9 | 80.6 | 64.7 | 31.9 | 81.9 | 7199 |

RELATIVE HUMIDITY

727845
 STATION

FAIRCHILD AFB WA
 STATION NAME

75-84

PERIOD

DEC
 MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS | |
|--------|----------------|--|-------|-------|-------|------|------|------|------|------------------------------|------------------------|------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | | | 90% |
| D. C. | 0-02 | 100.0 | 100.0 | 100.0 | 99.9 | 99.1 | 97.2 | 89.2 | 72.3 | 32.9 | 84.7 | 930 |
| | 3-05 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 97.0 | 91.0 | 74.2 | 34.4 | 85.1 | 930 |
| | 6-08 | 100.0 | 100.0 | 100.0 | 100.0 | 98.9 | 98.0 | 92.6 | 74.8 | 33.7 | 85.2 | 930 |
| | 9-11 | 100.0 | 100.0 | 100.0 | 99.6 | 98.0 | 96.1 | 89.0 | 69.6 | 28.6 | 83.6 | 930 |
| | 12-14 | 100.0 | 100.0 | 99.9 | 98.9 | 96.6 | 91.3 | 78.5 | 56.6 | 21.9 | 79.9 | 930 |
| | 15-17 | 100.0 | 100.0 | 100.0 | 99.1 | 97.3 | 92.6 | 81.3 | 60.3 | 23.2 | 60.9 | 930 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 99.6 | 98.3 | 94.7 | 86.8 | 68.1 | 29.0 | 83.0 | 929 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 100.0 | 98.5 | 95.8 | 87.7 | 68.7 | 31.4 | 84.1 | 930 |
| TOTALS | | 100.0 | 100.0 | 100.0 | 99.6 | 98.2 | 95.3 | 87.0 | 68.1 | 29.4 | 83.3 | 7439 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAJ

RELATIVE HUMIDITY

727855
STATION

FALL CHILD AFB LA
STATION NAME

75-85
PERIOD

ALL
MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS |
|--------|----------------|--|-------|-------|------|------|------|------|------|------|------------------------------|------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JAN | ALL | 100.0 | 100.0 | 100.0 | 99.5 | 97.0 | 92.5 | 85.1 | 70.5 | 34.0 | 33.5 | 7439 |
| FEB | | 100.0 | 100.0 | 99.7 | 98.8 | 96.4 | 91.2 | 79.3 | 60.0 | 26.2 | 28.7 | 6792 |
| MAR | | 100.0 | 100.0 | 99.7 | 96.9 | 88.4 | 74.1 | 57.5 | 39.5 | 17.5 | 23.0 | 7439 |
| APR | | 100.0 | 99.5 | 95.1 | 83.7 | 68.1 | 50.8 | 33.1 | 18.1 | 4.9 | 21.0 | 7199 |
| MAY | | 100.0 | 99.2 | 93.5 | 82.3 | 67.1 | 51.0 | 34.8 | 18.7 | 5.3 | 20.9 | 7316 |
| JUN | | 100.0 | 98.6 | 89.6 | 75.3 | 58.5 | 42.2 | 28.2 | 13.7 | 3.1 | 16.6 | 7016 |
| JUL | | 99.9 | 95.6 | 80.9 | 61.6 | 43.4 | 28.4 | 16.3 | 7.3 | 1.8 | 19.2 | 7262 |
| AUG | | 100.0 | 94.6 | 78.5 | 59.3 | 42.5 | 28.7 | 16.8 | 6.8 | 2.1 | 18.6 | 7438 |
| SEP | | 100.0 | 99.1 | 89.0 | 73.4 | 56.8 | 40.9 | 27.8 | 15.3 | 5.5 | 16.5 | 7198 |
| OCT | | 100.0 | 99.9 | 97.2 | 89.1 | 79.2 | 64.0 | 49.4 | 33.4 | 16.0 | 28.5 | 7440 |
| NOV | | 100.0 | 100.0 | 99.8 | 98.9 | 96.4 | 90.9 | 80.6 | 64.7 | 31.9 | 21.9 | 7199 |
| DEC | | 100.0 | 100.0 | 100.0 | 99.6 | 98.2 | 95.3 | 87.0 | 68.1 | 29.4 | 23.3 | 7439 |
| TOTALS | | 100.0 | 98.9 | 93.6 | 84.9 | 74.3 | 62.5 | 49.7 | 34.7 | 14.8 | 27.0 | 87177 |

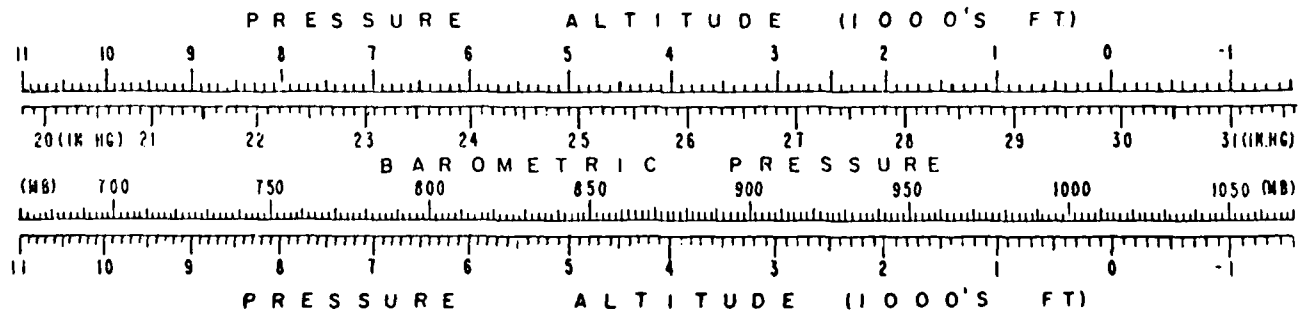
PART F PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

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

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



GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

727 55 FAJ CHIL AFB WA

75-85

| STATION | | STATION NAME | | | | | | | | | | | | YEARS |
|-----------|-----------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| HRS | EST | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
| 0 | MEAN | 27.497 | 27.416 | 27.344 | 27.373 | 27.370 | 27.378 | 27.400 | 27.384 | 27.424 | 27.456 | 27.447 | 27.437 | 27.411 |
| | S D | .254 | .231 | .199 | .173 | .147 | .114 | .093 | .102 | .141 | .185 | .234 | .248 | .189 |
| | TOTAL OBS | 310 | 283 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3653 |
| 1 | MEAN | 27.500 | 27.413 | 27.343 | 27.379 | 27.377 | 27.388 | 27.412 | 27.391 | 27.430 | 27.456 | 27.442 | 27.439 | 27.414 |
| | S D | .255 | .232 | .202 | .176 | .142 | .115 | .093 | .103 | .143 | .188 | .241 | .246 | .191 |
| | TOTAL OBS | 310 | 283 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3653 |
| 2 | MEAN | 27.500 | 27.416 | 27.355 | 27.400 | 27.399 | 27.411 | 27.439 | 27.418 | 27.451 | 27.471 | 27.446 | 27.442 | 27.429 |
| | S D | .257 | .235 | .205 | .176 | .145 | .118 | .094 | .103 | .145 | .189 | .246 | .244 | .191 |
| | TOTAL OBS | 310 | 283 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3653 |
| 3 | MEAN | 27.522 | 27.432 | 27.370 | 27.410 | 27.401 | 27.415 | 27.444 | 27.426 | 27.461 | 27.487 | 27.466 | 27.466 | 27.442 |
| | S D | .254 | .237 | .207 | .176 | .144 | .116 | .095 | .102 | .145 | .189 | .247 | .241 | .192 |
| | TOTAL OBS | 31 | 283 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3653 |
| 4 | MEAN | 27.442 | 27.415 | 27.352 | 27.387 | 27.383 | 27.400 | 27.426 | 27.405 | 27.438 | 27.462 | 27.446 | 27.444 | 27.421 |
| | S D | .249 | .238 | .203 | .171 | .142 | .112 | .094 | .099 | .143 | .186 | .244 | .238 | .188 |
| | TOTAL OBS | 31 | 283 | 310 | 300 | 309 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3652 |
| 5 | MEAN | 27.492 | 27.401 | 27.334 | 27.364 | 27.361 | 27.373 | 27.394 | 27.371 | 27.412 | 27.444 | 27.441 | 27.442 | 27.402 |
| | S D | .251 | .235 | .198 | .164 | .139 | .112 | .093 | .098 | .140 | .182 | .239 | .240 | .186 |
| | TOTAL OBS | 31 | 283 | 310 | 300 | 309 | 299 | 310 | 310 | 300 | 310 | 300 | 310 | 3651 |
| 6 | MEAN | 27.494 | 27.405 | 27.336 | 27.357 | 27.353 | 27.363 | 27.382 | 27.363 | 27.411 | 27.446 | 27.444 | 27.444 | 27.400 |
| | S D | .237 | .231 | .195 | .163 | .137 | .110 | .092 | .097 | .140 | .180 | .237 | .246 | .186 |
| | TOTAL OBS | 31 | 283 | 310 | 300 | 309 | 299 | 310 | 310 | 300 | 310 | 300 | 310 | 3651 |
| 7 | MEAN | 27.490 | 27.408 | 27.346 | 27.371 | 27.368 | 27.377 | 27.399 | 27.379 | 27.422 | 27.454 | 27.446 | 27.449 | 27.410 |
| | S D | .252 | .230 | .195 | .165 | .140 | .109 | .093 | .100 | .142 | .182 | .236 | .250 | .187 |
| | TOTAL OBS | 31 | 283 | 310 | 300 | 309 | 299 | 310 | 310 | 300 | 310 | 300 | 310 | 3651 |
| ALL HOURS | MEAN | 27.499 | 27.413 | 27.348 | 27.381 | 27.376 | 27.388 | 27.412 | 27.392 | 27.431 | 27.460 | 27.447 | 27.445 | 27.416 |
| | S D | .241 | .233 | .200 | .171 | .142 | .114 | .096 | .103 | .143 | .185 | .240 | .244 | .189 |
| | TOTAL OBS | 24 | 2264 | 2480 | 2400 | 2476 | 2397 | 2480 | 2480 | 2400 | 2480 | 2400 | 2480 | 29217 |

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MA

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

278-5 FAI CHILS AFB WA

75-85

| STATION | STATION NAME | YEARS | | | | | | | | | | | | |
|-----------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| HRS LST | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
| 1 | MEAN | 1021.0 | 1018.1 | 1014.6 | 1015.0 | 1014.2 | 1013.8 | 1014.0 | 1013.4 | 1015.7 | 1017.9 | 1018.9 | 1019.2 | 1016.4 |
| | S D | 9.91 | 9.016 | 7.525 | 6.568 | 5.363 | 4.362 | 3.563 | 3.866 | 5.442 | 7.013 | 9.121 | 9.805 | 7.586 |
| | TOTAL OBS | 310 | 283 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3653 |
| 1 | MEAN | 1021.0 | 1017.9 | 1014.6 | 1015.3 | 1014.5 | 1014.2 | 1014.5 | 1013.7 | 1015.9 | 1018.0 | 1018.7 | 1019.4 | 1016.6 |
| | S D | 9.926 | 9.072 | 7.656 | 6.693 | 5.446 | 4.431 | 3.605 | 3.912 | 5.484 | 7.148 | 9.367 | 9.788 | 7.621 |
| | TOTAL OBS | 310 | 283 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3653 |
| 1 | MEAN | 1022.0 | 1015.2 | 1015.3 | 1016.2 | 1015.3 | 1015.1 | 1015.5 | 1014.8 | 1016.9 | 1018.9 | 1019.1 | 1019.6 | 1017.2 |
| | S D | 10.043 | 9.164 | 7.806 | 6.775 | 5.517 | 4.464 | 3.564 | 3.891 | 5.538 | 7.234 | 9.477 | 9.747 | 7.598 |
| | TOTAL OBS | 310 | 283 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 299 | 309 | 3651 |
| 1 | MEAN | 1022.0 | 1018.8 | 1015.7 | 1016.4 | 1015.4 | 1015.2 | 1015.6 | 1015.0 | 1017.1 | 1019.3 | 1019.7 | 1020.5 | 1017.6 |
| | S D | 9.918 | 9.206 | 7.884 | 6.633 | 5.472 | 4.406 | 3.587 | 3.838 | 5.531 | 7.189 | 9.598 | 9.646 | 7.639 |
| | TOTAL OBS | 310 | 283 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3653 |
| 1 | MEAN | 1021.0 | 1018.0 | 1014.9 | 1015.5 | 1014.7 | 1014.6 | 1014.9 | 1014.2 | 1016.2 | 1018.2 | 1018.9 | 1019.6 | 1016.8 |
| | S D | 9.728 | 9.204 | 7.691 | 6.471 | 5.407 | 4.273 | 3.578 | 3.778 | 5.412 | 7.052 | 9.461 | 9.524 | 7.506 |
| | TOTAL OBS | 310 | 283 | 310 | 300 | 309 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3652 |
| 1 | MEAN | 1021.0 | 1017.5 | 1014.2 | 1014.7 | 1013.9 | 1013.6 | 1013.8 | 1013.0 | 1015.2 | 1017.6 | 1018.7 | 1019.5 | 1016.1 |
| | S D | 9.410 | 9.199 | 7.502 | 6.242 | 5.311 | 4.311 | 3.573 | 3.727 | 5.378 | 6.929 | 9.257 | 9.538 | 7.503 |
| | TOTAL OBS | 310 | 283 | 310 | 300 | 309 | 299 | 309 | 310 | 299 | 310 | 300 | 310 | 3648 |
| 1 | MEAN | 1021.0 | 1017.8 | 1014.5 | 1014.5 | 1013.6 | 1013.2 | 1013.3 | 1012.7 | 1015.4 | 1017.9 | 1019.0 | 1019.7 | 1016.1 |
| | S D | 9.260 | 8.998 | 7.396 | 6.192 | 5.245 | 4.210 | 3.529 | 3.714 | 5.387 | 6.925 | 9.203 | 9.823 | 7.557 |
| | TOTAL OBS | 310 | 283 | 310 | 300 | 309 | 299 | 309 | 310 | 300 | 310 | 300 | 310 | 3650 |
| 2 | MEAN | 1021.0 | 1017.8 | 1014.8 | 1014.9 | 1014.1 | 1013.8 | 1013.9 | 1013.3 | 1015.7 | 1018.0 | 1019.0 | 1019.9 | 1016.4 |
| | S D | 9.402 | 8.977 | 7.435 | 6.286 | 5.335 | 4.192 | 3.602 | 3.813 | 5.424 | 6.958 | 9.188 | 9.965 | 7.542 |
| | TOTAL OBS | 310 | 283 | 310 | 300 | 309 | 299 | 310 | 310 | 300 | 310 | 299 | 310 | 3650 |
| ALL HOURS | MEAN | 1021.9 | 1018.0 | 1014.8 | 1015.3 | 1014.5 | 1014.2 | 1014.4 | 1013.8 | 1016.0 | 1018.2 | 1019.0 | 1019.7 | 1016.6 |
| | S D | 9.604 | 9.085 | 7.616 | 6.508 | 5.413 | 4.374 | 3.654 | 3.890 | 5.480 | 7.067 | 9.327 | 9.723 | 7.585 |
| | TOTAL OBS | 2479 | 2264 | 2480 | 2400 | 2476 | 2397 | 2478 | 2480 | 2399 | 2480 | 2398 | 2479 | 29210 |

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