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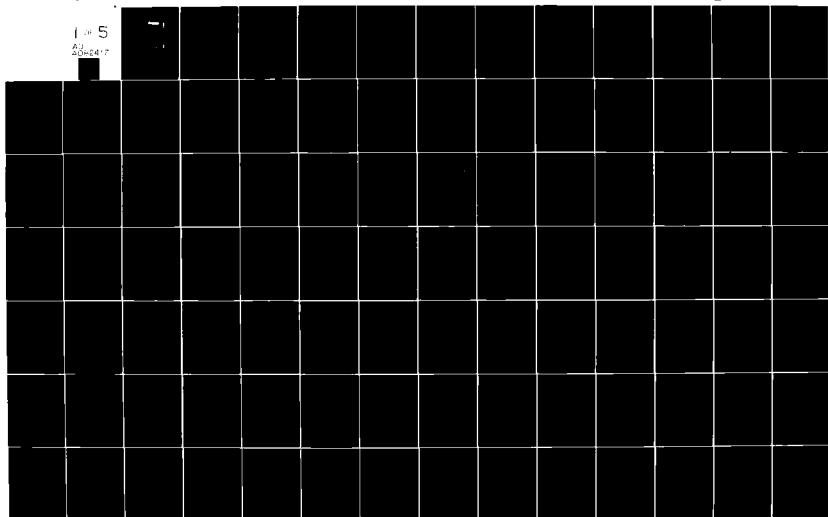
AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/O 4/P  
VANDENBERG AFB, LONG BEACH, CALIFORNIA. REVISED UNIFORM SUMMARY OF --ETC(U)  
AUG 79

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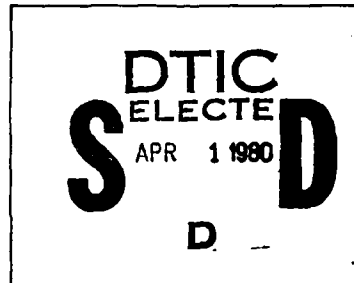
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| REPORT DOCUMENTATION PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                       | READ INSTRUCTIONS<br>BEFORE COMPLETING FORM                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------|
| 1. REPORT NUMBER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2. GOVT ACCESSION NO. | 3. RECIPIENT'S CATALOG NUMBER                                 |
| USAFETAC/DS-80/025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |                                                               |
| 4. TITLE (and Subtitle)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                       | 5. TYPE OF REPORT & PERIOD COVERED                            |
| Revised Uniform Summary of Surface Weather<br>Observations (RUSSWO)-<br>Vandenberg AFB, LOMPOC, California                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       | Final rept.                                                   |
| 7. AUTHOR(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                       | 6. PERFORMING ORG. REPORT NUMBER                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |                                                               |
| 9. PERFORMING ORGANIZATION NAME AND ADDRESS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       | 10. PROGRAM ELEMENT PROJECT, TASK<br>AREA & WORK UNIT NUMBERS |
| USAFETAC/OL-A<br>Air Force Environmental Technical Appl. Center<br>Scott AFB IL 62225                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                       |                                                               |
| 11. CONTROLLING OFFICE NAME AND ADDRESS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                       | 12. REPORT DATE                                               |
| USAFETAC/CBD<br>Air Weather Service (MAC)<br>Scott AFB IL 62225                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       | 7 Aug 79                                                      |
| 14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       | 13. NUMBER OF PAGES                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       | p.                                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       | 15. SECURITY CLASS. (of this report)                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       | UNCLASSIFIED                                                  |
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| 16. DISTRIBUTION STATEMENT (of this Report)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |                                                               |
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| 17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       |                                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |                                                               |
| 18. SUPPLEMENTARY NOTES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                       |                                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |                                                               |
| 19. KEY WORDS (Continue on reverse side if necessary and identify by block number)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |                                                               |
| *RUSSWO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Daily temperature     | Atmospheric pressure                                          |
| Snowfall                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Extreme snow depth    | Extreme surface winds                                         |
| Climatology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Sea-level pressure    | Psychrometric summary                                         |
| Surface Winds                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Extreme temperature   | Ceiling versus visibility                                     |
| Relative humidity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | *Climatological data  | (over)                                                        |
| 20. ABSTRACT (Continue on reverse side if necessary and identify by block number)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                       |                                                               |
| This report is a six-part statistical summary of surface weather observations for<br>Vandenberg AFB, LOMPOC, California<br>It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena;<br>(B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values);<br>(C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric<br>Summaries (daily maximum and minimum temperatures, extreme maximum and minimum<br>temperatures, psychrometric summary of wet-bulb temperature depression versus<br>dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over) |                       |                                                               |

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19. Percentge frequency of distribution tables  
Dry-bulb temperature versus wet-bulb temperature  
Cumulative percentage frequency of distribution tables

\* California

\* Vandenberg AFB, CA

20. and dew-point temperatures and relative humidity); and (F) Pressure  
Summary (means, standard, deviations, and observation counts of  
station pressure and sea-level pressure). Data in this report are  
presented in tabular form, in most cases in percentage frequency of  
occurrence or cumulative percentage frequency of occurrence tables.

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**DATA PROCESSING BRANCH  
USAFETAC  
Air Weather Service ( MAC )**

REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS

VANDENBERG AFB CA WBAN# 93214  
N 34 43 W 120 34 FLD ELEV 368 FT VBG WMO # 72393

PARTS A-F

POR FROM HOURLY OBS: MAR 67 - DEC 70, JAN 73 - FEB 79  
POR FROM DAILY OBS: JUN 58 - FEB 79

AUG 07 1979

FEDERAL BUILDING  
ASHEVILLE, N. C.

ADA082417

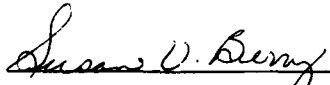
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This report is approved for public release. There is no objection to unlimited distribution of this report to the public at large, or by DDC to the National Technical Information Service (NTIS).

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

  
SUSAN V. BERRY, 2 Lt, USAF  
Information Retrieval  
manager

FOR THE COMMANDER

  
WALTER S. BURGMANN  
Scientific & Technical  
Information Officer

VANDENBERG AFB CA IS A LIMITED OBSERVATION STATION.  
FOR THE PERIOD OF RECORD 1974 AND LATER, THE STATION  
OPERATED LESS THAN 24 HOURS PER DAY.

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 presentation. 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: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 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 \_\_\_\_\_

FEBRUARY \_\_\_\_\_

MARCH \_\_\_\_\_

APRIL \_\_\_\_\_

MAY \_\_\_\_\_

JUNE \_\_\_\_\_

JULY \_\_\_\_\_

AUGUST \_\_\_\_\_

SEPTEMBER \_\_\_\_\_

OCTOBER \_\_\_\_\_

NOVEMBER \_\_\_\_\_

DECEMBER \_\_\_\_\_

| STATION NO OR SUMMARY<br>93214                      |                              | STATION NAME<br>VANDENBERG AFB, CALIFORNIA |                  | LATITUDE<br>N 34 43 |          | LONGITUDE<br>W 120 34 |                     | FIELD ELEV (FT)<br>368 |                   | CALL SIGN<br>VBG |  | WMO NUMBER<br>72393 |  |
|-----------------------------------------------------|------------------------------|--------------------------------------------|------------------|---------------------|----------|-----------------------|---------------------|------------------------|-------------------|------------------|--|---------------------|--|
| <b>STATION LOCATION AND INSTRUMENTATION HISTORY</b> |                              |                                            |                  |                     |          |                       |                     |                        |                   |                  |  |                     |  |
| NUMBER<br>OF<br>LOCATION                            | GEOGRAPHICAL LOCATION & NAME | TYPE<br>OF<br>STATION                      | AT THIS LOCATION |                     | LATITUDE | LONGITUDE             | ELEVATION ABOVE MSL |                        | OBS<br>PER<br>DAY |                  |  |                     |  |
|                                                     |                              |                                            | FROM             | TO                  |          |                       | FIELD (FT)          | HT. BARD.              |                   |                  |  |                     |  |
| 1                                                   | Cooke AFB, California        | AFB                                        | Jun 58           | Jan 59              | N 34 43  | W 120 34              | 368                 | 341 ft                 | 24                |                  |  |                     |  |
| 2                                                   | Vandenberg AFB, California   | AFB                                        | Feb 59           | Jan 61              | Same     | Same                  | Same                | Same                   | 24                |                  |  |                     |  |
| 3                                                   | Same                         | AFB                                        | Feb 61           | Apr 63              | Same     | Same                  | Same                | 552                    | 24                |                  |  |                     |  |
| 4                                                   | Same                         | AFB                                        | May 63           | Dec 70              | Same     | Same                  | Same                | 380                    | 24                |                  |  |                     |  |
| 5                                                   | Same                         | Same                                       | Jan 71           | Aug 73              | Same     | Same                  | Same                | Same                   | 24                |                  |  |                     |  |
| 6                                                   | Same                         | Same                                       | Sep 73           | Dec 75              | Same     | Same                  | Same                | Same                   | 17                |                  |  |                     |  |
| 7                                                   | Same                         | Same                                       | Jan 76           | Apr 78              | Same     | Same                  | Same                | Same                   | 11                |                  |  |                     |  |
| 8                                                   | Same                         | Same                                       | May 78           | Feb 79              | Same     | Same                  | Same                | Same                   | 10                |                  |  |                     |  |

| NUMBER<br>OF<br>LOCATION | DATE<br>OF<br>CHANGE | SURFACE WIND EQUIPMENT INFORMATION                                                                |                        |                     |                    | REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE |
|--------------------------|----------------------|---------------------------------------------------------------------------------------------------|------------------------|---------------------|--------------------|-----------------------------------------------------|
|                          |                      | LOCATION                                                                                          | TYPE OF<br>TRANSMITTER | TYPE OF<br>RECORDER | HT ABOVE<br>GROUND |                                                     |
| 1                        | Jun 58               | Read off indicator by tower operator passed on to Rosby intercom.                                 | AN/GMQ-11              | N/A                 | 16 ft.             |                                                     |
| 2                        | Feb 59               | Located 200 ft N of weather stn.                                                                  | AN/GMQ-1A              | ML204B              | 15 ft.             |                                                     |
| 3                        | Mar 59               | Located on top of tower.                                                                          | Same                   | Same                | 75 ft.             |                                                     |
| 4                        | Oct 60               | Located near approach end of runway 30, 3500 ft from Rep. site in control tower.                  | AN/GMQ-11              | RO-2                | 13 ft.             |                                                     |
| 5                        | Mar 64               | Located 5/8 of a mile S of ROS.                                                                   | Same                   | Same                | Same               |                                                     |
| 6                        | Mar 66               | 1. Located 1070 ft N and 110 ft E of runway 30.<br>2. Located 250 ft S and 860 ft E of runway 12. | Same                   | Same                | Same               |                                                     |

| NUMBER<br>OF<br>LOCATION | DATE<br>OF<br>CHANGE | SURFACE WIND EQUIPMENT INFORMATION |                        |                     |                    | REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE |
|--------------------------|----------------------|------------------------------------|------------------------|---------------------|--------------------|-----------------------------------------------------|
|                          |                      | LOCATION                           | TYPE OF<br>TRANSMITTER | TYPE OF<br>RECORDER | HT ABOVE<br>GROUND |                                                     |
| 7                        | Dec 70               | 1. Same                            | Same                   | Same                | Same               |                                                     |
|                          |                      | 2. Same                            | Same                   |                     | Same               |                                                     |
| 8                        | Feb 79               | 1. Same                            | Same                   | Same                | Same               |                                                     |
|                          |                      | 2. Same                            | Same                   |                     | Same               |                                                     |

## 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-WEAN 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 CLIMATELOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

03214 VANDENBERG AFB CA 7-73-79 04  
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM WEATHER OBSERVATIONS

| MONTH  | HOURS<br>(L.S.T.) | THUNDER-<br>STORMS | RAIN<br>AND OR<br>DRIZZLE | FREEZING<br>RAIN & OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | HAIL | % OF<br>OBS WITH<br>PRECIP. | FOG  | SMOKE<br>AND OR<br>HAZE | BLOWING<br>SNOW | DUST<br>AND OR<br>SAND | % OF OBS<br>WITH OBST<br>TO VISION | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| JAN    | 00-02             |                    | 11.0                      |                                  |                         |      | 11.0                        | 13.7 |                         |                 |                        | 13.7                               | 872                     |
|        | 03-05             |                    | 6.2                       |                                  |                         |      | 6.2                         | 10.1 | .2                      |                 |                        | 10.1                               | 617                     |
|        | 06-08             |                    | 10.0                      |                                  |                         |      | 10.0                        | 13.3 | .3                      |                 |                        | 13.3                               | 860                     |
|        | 09-11             | .1                 | 6.2                       |                                  |                         |      | 6.9                         | 8.2  | .9                      |                 |                        | 8.6                                | 515                     |
|        | 12-14             |                    | .3                        |                                  |                         |      | 6.3                         | 6.7  | .9                      |                 |                        | 7.5                                | 412                     |
|        | 15-17             | .1                 | 6.7                       |                                  |                         | .1   | 6.9                         | 8.4  | 2.1                     |                 |                        | 6.7                                | 44                      |
|        | 18-20             |                    | .7                        |                                  |                         |      | 6.2                         | 13.2 | 1.4                     |                 |                        | 14.5                               | 932                     |
|        | 21-23             |                    | 1.2                       |                                  |                         |      | 10.2                        | 13.7 | 1.3                     |                 |                        | 14.3                               | 926                     |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                         |
| TOTALS |                   | .3                 | 6.8                       |                                  |                         | .1   | 8.8                         | 10.9 | .9                      |                 |                        | 11.5                               | 4549                    |

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USAFETAC  
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## WEATHER CONDITIONS

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

9-7, 73-79  
YEARS

FI  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH  | HOURS<br>(L.S.T.) | THUNDER-<br>STORMS | RAIN<br>AND OR<br>DRIZZLE | FREEZING<br>RAIN & /OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | HAIL | % OF<br>OBS WITH<br>PRECIP. | FOG  | SMOKE<br>AND OR<br>HAZE | BLOWING<br>SNOW | DUST<br>AND OR<br>SAND | % OF OBS<br>WITH OBST<br>TO VISION | TOTAL<br>NO OF<br>OBS |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-----------------------|
| FEB    | 00-02             |                    | 15.6                      |                                   |                         |      | 15.6                        | 13.0 |                         |                 |                        | 13.0                               | 337                   |
|        | 03-05             |                    | 10.6                      |                                   |                         |      | 10.6                        | 10.1 |                         |                 |                        | 10.1                               | 424                   |
|        | 06-08             |                    | 10.4                      |                                   |                         |      | 10.4                        | 14.7 | 1.1                     |                 |                        | 14.9                               | 550                   |
|        | 09-11             | .1                 | 7.2                       |                                   |                         |      | 7.2                         | 9.2  | 1.7                     |                 |                        | 10.1                               | 121                   |
|        | 12-14             |                    | 5.5                       |                                   |                         |      | 5.5                         | 5.7  | 2.6                     |                 |                        | 7.2                                | 174                   |
|        | 15-17             |                    | 5.7                       |                                   |                         |      | 5.7                         | 10.1 | 2.9                     |                 |                        | 11.8                               | 120                   |
|        | 18-20             |                    | 4.3                       |                                   |                         |      | 4.3                         | 11.9 | 1.3                     |                 |                        | 12.1                               | 445                   |
|        | 21-23             | .5                 | 11.4                      |                                   |                         |      | 11.4                        | 11.6 |                         |                 |                        | 11.6                               | 329                   |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                       |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                       |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                       |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                       |
| TOTALS |                   | .1                 | 8.8                       |                                   |                         |      | 8.8                         | 10.6 | 1.2                     |                 |                        | 11.4                               | 4320                  |

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## WEATHER CONDITIONS

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

7-70, 73-78  
YEARS

1  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH  | HOURS<br>(L.S.T.) | THUNDER-<br>STORMS | RAIN<br>AND OR<br>DRIZZLE | FREEZING<br>RAIN & /OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | HAIL | % OF<br>OBS WITH<br>PRECIP. | FOG  | SMOKE<br>AND OR<br>HAZE | BLOWING<br>SNOW | DUST<br>AND OR<br>SAND | % OF OBS<br>WITH OBST<br>TO VISION | TOTAL<br>NO OF<br>OBS |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-----------------------|
| MAR    | 00-02             |                    | 5.1                       |                                   |                         |      | 5.1                         | 15.7 | .4                      |                 |                        | 15.7                               | 471                   |
|        | 03-05             |                    | 4.6                       |                                   |                         |      | 4.6                         | 13.6 |                         |                 |                        | 13.6                               | 360                   |
|        | 06-08             |                    | 6.7                       |                                   |                         |      | 6.7                         | 18.7 | .8                      |                 |                        | 18.7                               | 546                   |
|        | 09-11             | .6                 | 5.4                       |                                   |                         |      | 5.4                         | 10.7 | 2.0                     |                 |                        | 11.1                               | 660                   |
|        | 12-14             | .2                 | 5.5                       |                                   |                         |      | 5.5                         | 6.4  | 2.0                     |                 |                        | 7.6                                | 369                   |
|        | 15-17             | .2                 | 5.4                       |                                   |                         |      | 5.4                         | 8.6  | 2.7                     |                 |                        | 9.8                                | 464                   |
|        | 18-20             |                    | 5.2                       |                                   |                         |      | 5.2                         | 14.6 | 2.4                     |                 |                        | 15.1                               | 576                   |
|        | 21-23             |                    | 4.9                       |                                   |                         |      | 4.9                         | 15.0 | .7                      |                 |                        | 15.0                               | 540                   |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                       |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                       |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                       |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                       |
| TOTALS |                   | .1                 | 5.4                       |                                   |                         |      | 5.4                         | 12.9 | 1.4                     |                 |                        | 13.3                               | 5432                  |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

7-70, 73-76  
YEARS

APR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH  | HOURS<br>(L.S.T.) | THUNDER-<br>STORMS | RAIN<br>AND/OR<br>DRIZZLE | FREEZING<br>RAIN & /OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | HAIL | % OF<br>OBS WITH<br>PRECIP. | FOG  | SMOKE<br>AND/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>AND/OR<br>SAND | % OF OBS<br>WITH OBST<br>TO VISION | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| APR    | 00-02             |                    | 5.1                       |                                   |                         |      | 5.1                         | 13.6 | .0                      |                 |                        | 14.4                               | 450                     |
|        | 03-05             |                    | 4.6                       |                                   |                         |      | 4.6                         | 14.3 | .2                      |                 |                        | 14.4                               | 540                     |
|        | 06-08             | .1                 | 3.4                       |                                   | .1                      |      | 3.4                         | 18.8 | 1.8                     |                 |                        | 20.3                               | 700                     |
|        | 09-11             |                    | 3.3                       |                                   |                         |      | 3.3                         | 12.2 | 2.3                     |                 |                        | 14.2                               | 625                     |
|        | 12-14             |                    | 3.2                       |                                   |                         |      | 3.2                         | 5.6  | 1.9                     |                 |                        | 7.4                                | 525                     |
|        | 15-17             |                    | 2.8                       |                                   |                         |      | 2.8                         | 6.8  | 2.3                     |                 |                        | 9.0                                | 613                     |
|        | 18-20             |                    | 2.7                       |                                   |                         |      | 2.7                         | 10.3 | 1.8                     |                 |                        | 11.7                               | 546                     |
|        | 21-23             |                    | 2.1                       |                                   |                         |      | 2.1                         | 12.2 | 1.2                     |                 |                        | 14.0                               | 513                     |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                         |
| TOTALS |                   | .0                 | 3.4                       |                                   | .0                      |      | 3.4                         | 11.8 | 1.6                     |                 |                        | 13.2                               | 5218                    |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

## WEATHER CONDITIONS

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

7-73, 73-76  
YEARS

14  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH  | HOURS<br>(L.S.T.) | THUNDER-<br>STORMS | RAIN<br>AND/OR<br>DRIZZLE | FREEZING<br>RAIN & /OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | HAIL | % OF<br>OBS WITH<br>PRECIP. | FOG  | SMOKE<br>AND/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>AND/OR<br>SAND | % OF OBS<br>WITH OBST<br>TO VISION | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| MAY    | 00-02             |                    | 4.9                       |                                   |                         |      | 4.9                         | 35.4 | .9                      |                 |                        | 35.6                               | 406                     |
|        | 03-05             |                    | 4.7                       |                                   |                         |      | 4.7                         | 32.9 | 1.3                     |                 |                        | 33.5                               | 550                     |
|        | 06-08             |                    | 3.9                       |                                   |                         |      | 3.9                         | 42.4 | 3.6                     |                 |                        | 45.1                               | 778                     |
|        | 09-11             |                    | 1.0                       |                                   |                         |      | 1.0                         | 23.2 | 3.8                     |                 |                        | 25.5                               | 640                     |
|        | 12-14             |                    | .4                        |                                   |                         |      | .4                          | 14.2 | 5.0                     |                 |                        | 16.1                               | 640                     |
|        | 15-17             |                    | .5                        |                                   |                         |      | .5                          | 14.0 | 4.1                     |                 |                        | 16.4                               | 779                     |
|        | 18-20             |                    | .4                        |                                   |                         |      | .4                          | 24.6 | 3.9                     |                 |                        | 27.0                               | 550                     |
|        | 21-23             |                    | 2.5                       |                                   |                         |      | 2.5                         | 28.5 | 2.7                     |                 |                        | 30.6                               | 527                     |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                         |
| TOTALS |                   |                    | 2.3                       |                                   |                         |      | 2.3                         | 26.9 | 3.2                     |                 |                        | 28.7                               | 5349                    |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

93214 VANDENBERG AFB CA

7-70, 73-76

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM PUBLISHED OBSERVATIONS

| MONTH  | HOURS<br>(L.S.T.) | THUNDER-<br>STORMS | RAIN<br>AND/OR<br>DRIZZLE | FREEZING<br>RAIN & /OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | HAIL | % OF<br>OBS WITH<br>PRECIP. | FOG  | SMOKE<br>AND/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>AND/OR<br>SAND | % OF OBS<br>WITH OBST<br>TO VISION | TOTAL<br>NO OF<br>OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| JUN    | 00-02             |                    | 12.7                      |                                   |                         |      | 12.7                        | 38.9 | .4                      |                 |                        | 39.1                               | 450                    |
|        | 03-05             |                    | 13.0                      |                                   |                         |      | 13.0                        | 42.4 | .6                      |                 |                        | 42.6                               | 540                    |
|        | 06-08             |                    | 7.9                       |                                   |                         |      | 7.9                         | 51.7 | 3.0                     |                 |                        | 53.6                               | 722                    |
|        | 09-11             |                    | 1.1                       |                                   |                         |      | 1.1                         | 23.6 | 2.3                     |                 |                        | 25.2                               | 110                    |
|        | 12-14             |                    | .2                        |                                   |                         |      | .2                          | 12.2 | 3.1                     |                 |                        | 14.7                               | 112                    |
|        | 15-17             | .6                 | 1.0                       |                                   |                         |      | 1.0                         | 16.2 | 3.0                     |                 |                        | 17.7                               | 722                    |
|        | 18-20             | .4                 | 1.5                       |                                   |                         |      | 1.5                         | 28.1 | 3.9                     |                 |                        | 31.1                               | 540                    |
|        | 21-23             |                    | 3.9                       |                                   |                         |      | 3.9                         | 32.1 | 3.5                     |                 |                        | 35.2                               | 511                    |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                        |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                        |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                        |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                        |
| TOTALS |                   | .1                 | 5.2                       |                                   |                         |      | 5.2                         | 30.7 | 2.5                     |                 |                        | 32.4                               | 5107                   |

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

7-70, 73-78

YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH  | HOURS<br>(L.S.T.) | THUNDER-<br>STORMS | RAIN<br>AND/OR<br>DRIZZLE | FREEZING<br>RAIN & /OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | HAIL | % OF<br>OBS WITH<br>PRECIP. | FOG  | SMOKE<br>AND/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>AND/OR<br>SAND | % OF OBS<br>WITH OBST<br>TO VISION | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| JUL    | 00-02             |                    | 8.4                       |                                   |                         |      | 8.4                         | 71.4 | 1.9                     |                 |                        | 72.3                               | 465                     |
|        | 03-05             |                    | 10.2                      |                                   |                         |      | 10.2                        | 66.1 | .9                      |                 |                        | 66.5                               | 558                     |
|        | 06-08             |                    | 7.2                       |                                   |                         |      | 7.2                         | 77.5 | 1.0                     |                 |                        | 77.8                               | 724                     |
|        | 09-11             |                    | 1.4                       |                                   |                         |      | 1.4                         | 38.4 | 5.3                     |                 |                        | 41.0                               | 307                     |
|        | 12-14             |                    |                           |                                   |                         |      |                             | 14.6 | 4.5                     |                 |                        | 17.2                               | 307                     |
|        | 15-17             |                    | .1                        |                                   |                         |      | .1                          | 22.1 | 5.2                     |                 |                        | 23.8                               | 124                     |
|        | 18-20             |                    | .4                        |                                   |                         |      | .4                          | 49.5 | 5.2                     |                 |                        | 51.1                               | 558                     |
|        | 21-23             |                    | 2.3                       |                                   |                         |      | 2.3                         | 57.9 | 1.5                     |                 |                        | 58.8                               | 527                     |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                         |
| TOTALS |                   |                    | 3.8                       |                                   |                         |      | 3.8                         | 49.7 | 3.2                     |                 |                        | 51.1                               | 5170                    |

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

67-70, 73-78  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH  | HOURS<br>(L.S.T.) | THUNDER-<br>STORMS | RAIN<br>AND/OR<br>DRIZZLE | FREEZING<br>RAIN & /OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | HAIL | % OF<br>OBS WITH<br>PRECIP. | FOG  | SMOKE<br>AND/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>AND/OR<br>SAND | % OF OBS<br>WITH OBST<br>TO VISION | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| AUG    | 00-02             |                    | 5.3                       |                                   |                         |      | 5.3                         | 76.5 | .4                      |                 |                        | 76.5                               | 406                     |
|        | 03-05             |                    | 8.2                       |                                   |                         |      | 8.2                         | 68.5 | .4                      |                 |                        | 68.5                               | 559                     |
|        | 06-08             |                    | 5.0                       |                                   |                         |      | 5.0                         | 80.1 | 1.9                     |                 |                        | 81.1                               | 739                     |
|        | 09-11             |                    | .7                        |                                   |                         |      | .7                          | 43.8 | 4.6                     |                 |                        | 45.7                               | 371                     |
|        | 12-14             |                    |                           |                                   |                         |      |                             | 15.4 | 5.0                     |                 |                        | 17.1                               | 325                     |
|        | 15-17             |                    | .1                        |                                   |                         |      | .1                          | 24.0 | 5.0                     |                 |                        | 24.8                               | 117                     |
|        | 18-20             |                    | .5                        |                                   |                         |      | .5                          | 53.2 | 2.7                     |                 |                        | 53.6                               | 558                     |
|        | 21-23             |                    | 2.1                       |                                   |                         |      | 2.1                         | 62.1 | .6                      |                 |                        | 62.3                               | 520                     |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                         |
| TOTALS |                   |                    | 2.7                       |                                   |                         |      | 2.7                         | 53.0 | 2.6                     |                 |                        | 53.7                               | 5245                    |



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

7-70, 73-78  
YEARS

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH  | HOURS<br>(L.S.T.) | THUNDER-<br>STORMS | RAIN<br>AND/OR<br>DRIZZLE | FREEZING<br>RAIN & /OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | HAIL | % OF<br>OBS WITH<br>PRECIP. | FOG  | SMOKE<br>AND/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>AND/OR<br>SAND | % OF OBS<br>WITH OBST<br>TO VISION | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| SEP    | 00-02             | .3                 | 5.8                       |                                   |                         |      | 5.8                         | 56.9 | .8                      |                 |                        | 57.5                               | 360                     |
|        | 03-05             | .8                 | 7.1                       |                                   |                         |      | 7.1                         | 46.9 | .6                      |                 |                        | 46.9                               | 480                     |
|        | 06-08             | .3                 | 9.1                       |                                   |                         |      | 9.1                         | 62.2 | 1.3                     |                 |                        | 63.1                               | 712                     |
|        | 09-11             | .3                 | 2.8                       |                                   |                         |      | 2.8                         | 36.4 | 4.7                     |                 |                        | 39.0                               | 194                     |
|        | 12-14             |                    | .5                        |                                   |                         |      | .5                          | 19.6 | 6.5                     |                 |                        | 23.5                               | 192                     |
|        | 15-17             | .3                 | 1.1                       |                                   |                         |      | 1.1                         | 24.8 | 5.4                     |                 |                        | 27.2                               | 107                     |
|        | 18-20             | .6                 | 3.7                       |                                   |                         |      | 3.7                         | 46.7 | 2.2                     |                 |                        | 47.2                               | 540                     |
|        | 21-23             | .8                 | 3.1                       |                                   |                         |      | 3.1                         | 50.3 | 1.2                     |                 |                        | 50.5                               | 421                     |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                         |
| TOTALS |                   | .4                 | 4.2                       |                                   |                         |      | 4.2                         | 43.0 | 2.8                     |                 |                        | 44.4                               | 4849                    |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

7-70, 73-78  
YEARS

JUL  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH  | HOURS<br>(L.S.T.) | THUNDER-<br>STORMS | RAIN<br>AND/OR<br>DRIZZLE | FREEZING<br>RAIN & /OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | HAIL | % OF<br>OBS WITH<br>PRECIP. | FOG  | SMOKE<br>AND/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>AND/OR<br>SAND | % OF OBS<br>WITH OBST<br>TO VISION | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| JUL    | 00-02             |                    | 5.2                       |                                   |                         |      | 5.2                         | 33.0 |                         |                 |                        | 33.2                               | 344                     |
|        | 03-05             |                    | 3.1                       |                                   |                         |      | 3.1                         | 29.8 | .2                      |                 |                        | 29.8                               | 314                     |
|        | 06-08             |                    | 3.6                       |                                   |                         |      | 3.6                         | 38.5 | 2.1                     |                 |                        | 39.7                               | 123                     |
|        | 09-11             |                    | 1.9                       |                                   |                         |      | 1.9                         | 24.3 | 4.0                     |                 |                        | 26.7                               | 604                     |
|        | 12-14             |                    | .7                        |                                   |                         |      | .7                          | 13.7 | 4.7                     |                 |                        | 15.9                               | 504                     |
|        | 15-17             |                    | 2.3                       |                                   |                         |      | 2.3                         | 19.4 | 4.6                     |                 |                        | 21.3                               | 137                     |
|        | 18-20             |                    | 3.1                       |                                   |                         |      | 3.1                         | 28.5 | 1.6                     |                 |                        | 29.4                               | 572                     |
|        | 21-23             |                    | 3.3                       |                                   |                         |      | 3.3                         | 29.2 | .2                      |                 |                        | 29.2                               | 518                     |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                         |
| TOTALS |                   |                    | 2.9                       |                                   |                         |      | 2.9                         | 27.2 | 2.2                     |                 |                        | 28.2                               | 5056                    |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

93214 STATION VANDENBERG AFB CA 7-70, 73-76 YEARS MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH  | HOURS<br>(L.S.T.) | THUNDER-<br>STORMS | RAIN<br>AND/OR<br>DRIZZLE | FREEZING<br>RAIN & /OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | HAIL | % OF<br>OBS WITH<br>PRECIP. | FOG  | SMOKE<br>AND/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>AND/OR<br>SAND | % OF OBS<br>WITH OBST<br>TO VISION | TOTAL<br>NO. OF<br>OBS |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| NOV    | 00-02             | .3                 | 6.1                       |                                   |                         |      | 6.1                         | 23.6 |                         |                 |                        | 23.6                               | 366                    |
|        | 03-05             |                    | 6.2                       |                                   |                         |      | 6.2                         | 17.9 |                         |                 |                        | 17.9                               | 480                    |
|        | 06-08             |                    | 4.3                       |                                   |                         |      | 4.3                         | 19.7 | 1.2                     |                 |                        | 20.4                               | 543                    |
|        | 09-11             |                    | 2.8                       |                                   |                         |      | 2.8                         | 10.1 | 2.7                     |                 |                        | 12.4                               | 785                    |
|        | 12-14             |                    | 1.9                       |                                   |                         |      | 1.9                         | 6.4  | 5.0                     |                 |                        | 10.1                               | 786                    |
|        | 15-17             |                    | 2.3                       |                                   |                         |      | 2.3                         | 13.3 | 3.7                     |                 |                        | 15.2                               | 781                    |
|        | 18-20             |                    | 5.0                       |                                   |                         |      | 5.0                         | 18.5 | 3.7                     |                 |                        | 19.6                               | 540                    |
|        | 21-23             |                    | 7.2                       |                                   |                         |      | 7.2                         | 20.6 | .4                      |                 |                        | 20.6                               | 538                    |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                        |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                        |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                        |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                        |
| TOTALS |                   | .0                 | 4.5                       |                                   |                         |      | 4.5                         | 16.3 | 2.1                     |                 |                        | 17.5                               | 4833                   |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

7-70, 73-76

YEARS

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH  | HOURS<br>(L.S.T.) | THUNDER-<br>STORMS | RAIN<br>AND/OR<br>DRIZZLE | FREEZING<br>RAIN & /OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | HAIL | % OF<br>OBS WITH<br>PRECIP. | FOG  | SMOKE<br>AND/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>AND/OR<br>SAND | % OF OBS<br>WITH OBST<br>TO VISION | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| DEC    | 00-02             |                    | 5.1                       |                                   |                         |      | 5.1                         | 11.7 |                         |                 |                        | 11.7                               | 370                     |
|        | 03-05             |                    | 7.2                       |                                   |                         |      | 7.2                         | 7.4  |                         |                 |                        | 7.4                                | 499                     |
|        | 06-08             |                    | 5.7                       |                                   |                         |      | 5.7                         | 11.8 | .7                      |                 |                        | 11.3                               | 584                     |
|        | 09-11             |                    | 4.6                       |                                   |                         |      | 4.6                         | 8.7  | 1.1                     |                 |                        | 8.9                                | 613                     |
|        | 12-14             |                    | 4.5                       |                                   |                         |      | 4.5                         | 5.9  | 1.4                     |                 |                        | 6.6                                | 614                     |
|        | 15-17             |                    | 3.6                       |                                   |                         |      | 3.6                         | 8.7  | 1.9                     |                 |                        | 9.8                                | 505                     |
|        | 18-20             |                    | 6.2                       |                                   |                         |      | 6.2                         | 8.7  | .9                      |                 |                        | 9.4                                | 564                     |
|        | 21-23             | .2                 | 6.3                       |                                   |                         |      | 6.3                         | 12.0 | .5                      |                 |                        | 12.3                               | 559                     |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                   |                         |      |                             |      |                         |                 |                        |                                    |                         |
| TOTALS |                   | .0                 | 5.4                       |                                   |                         |      | 5.4                         | 9.4  | .8                      |                 |                        | 9.7                                | 5013                    |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/TAC

## WEATHER CONDITIONS

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

7-70, 73-79  
YEARS

ALL  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH  | HOURS<br>(L.S.T.) | THUNDER-<br>STORMS | RAIN<br>AND/OR<br>DRIZZLE | FREEZING<br>RAIN & /OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | HAIL | % OF<br>OBS WITH<br>PRECIP. | FOG  | SMOKE<br>AND/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>AND/OR<br>SAND | % OF OBS<br>WITH OBST<br>TO VISION | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| JAN    | ALL               | .0                 | 8.8                       |                                   |                         | .0   | 8.8                         | 10.9 | .9                      |                 |                        | 11.5                               | 4919                    |
| FEB    |                   | .1                 | 8.8                       |                                   |                         |      | 8.8                         | 10.7 | 1.2                     |                 |                        | 11.4                               | 4320                    |
| MAR    |                   | .1                 | 5.4                       |                                   |                         |      | 5.4                         | 12.9 | 1.4                     |                 |                        | 13.3                               | 5452                    |
| APR    |                   | .0                 | 3.4                       |                                   | .0                      |      | 3.4                         | 11.2 | 1.6                     |                 |                        | 13.2                               | 5210                    |
| MAY    |                   |                    | 2.3                       |                                   |                         |      | 2.3                         | 26.7 | 3.2                     |                 |                        | 28.7                               | 5349                    |
| JUN    |                   | .1                 | 5.2                       |                                   |                         |      | 5.2                         | 30.7 | 2.5                     |                 |                        | 32.4                               | 5107                    |
| JUL    |                   |                    | 3.8                       |                                   |                         |      | 3.8                         | 49.7 | 3.2                     |                 |                        | 51.1                               | 5173                    |
| AUG    |                   |                    | 2.7                       |                                   |                         |      | 2.7                         | 53.0 | 2.6                     |                 |                        | 53.7                               | 5245                    |
| SEP    |                   | .4                 | 4.2                       |                                   |                         |      | 4.2                         | 43.0 | 2.8                     |                 |                        | 44.4                               | 4069                    |
| OCT    |                   |                    | 2.9                       |                                   |                         |      | 2.9                         | 27.2 | 2.2                     |                 |                        | 28.2                               | 5050                    |
| NOV    |                   | .0                 | 4.5                       |                                   |                         |      | 4.5                         | 16.3 | 2.1                     |                 |                        | 17.5                               | 4033                    |
| DEC    |                   | .0                 | 5.4                       |                                   |                         |      | 5.4                         | 9.4  | .8                      |                 |                        | 9.7                                | 5013                    |
| TOTALS |                   | .1                 | 4.8                       |                                   | .0                      | .0   | 4.8                         | 25.2 | 2.0                     |                 |                        | 26.3                               | 50057                   |

## PART A

## ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms 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 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 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 columns may not equal the total columns.

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

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than  $5/8$  mile.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

XX WEATHER CONDITIONS  
XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
ATMOSPHERIC OBSERVATIONS

93214  
STATION

WHEELER AFB CA  
STATION NAME

7-74

YEARS

JUL  
MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM DAILY OBSERVATIONS

| MONTH  | HOURS<br>(L.S.T.) | THUNDER-<br>STORMS | RAIN<br>AND/OR<br>DRIZZLE | FREEZING<br>RAIN & /OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | HAIL | % OF<br>OBS WITH<br>PRECIP. | FOG  | SMOKE<br>AND/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>AND/OR<br>SAND | % OF OBS<br>WITH OBST<br>TO VISION | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| JAN    | DAILY             | 1.3                | 27.3                      |                                   | .2                      | 1.3  | 27.3                        | 31.4 | 5.0                     |                 |                        | 33.0                               | 615                     |
| FEB    |                   | .7                 | 31.1                      |                                   |                         | .7   | 31.1                        | 39.6 | 10.5                    |                 |                        | 40.1                               | 563                     |
| MAR    |                   | .4                 | 30.2                      | .2                                | .2                      | .7   | 30.2                        | 40.2 | 9.6                     |                 |                        | 41.0                               | 602                     |
| APR    |                   | .3                 | 24.8                      |                                   | .2                      | .3   | 24.8                        | 46.4 | 12.3                    |                 |                        | 47.4                               | 575                     |
| MAY    |                   | .2                 | 23.7                      |                                   |                         |      | 23.7                        | 59.1 | 15.9                    |                 |                        | 61.1                               | 521                     |
| JUN    |                   | .8                 | 28.7                      |                                   |                         |      | 28.7                        | 73.3 | 16.7                    |                 | .3                     | 74.5                               | 599                     |
| JUL    |                   | .7                 | 29.7                      |                                   |                         |      | 29.7                        | 89.7 | 22.1                    |                 |                        | 90.5                               | 610                     |
| AUG    |                   | .5                 | 26.0                      |                                   |                         |      | 26.0                        | 88.0 | 17.7                    |                 |                        | 89.2                               | 620                     |
| SEP    |                   | 2.0                | 22.9                      |                                   |                         | .2   | 22.9                        | 72.7 | 15.6                    |                 |                        | 73.0                               | 597                     |
| OCT    |                   | .2                 | 19.1                      |                                   |                         |      | 19.1                        | 59.7 | 17.1                    |                 |                        | 60.5                               | 615                     |
| NOV    |                   | .4                 | 25.1                      |                                   |                         | .2   | 25.1                        | 44.0 | 13.2                    |                 | .2                     | 45.0                               | 593                     |
| DEC    |                   | .2                 | 24.1                      |                                   | .2                      | .5   | 24.1                        | 34.5 | 9.6                     |                 |                        | 35.3                               | 615                     |
| TOTALS |                   | .7                 | 26.1                      | .0                                | .1                      | .3   | 26.1                        | 56.6 | 14.1                    |                 | .0                     | 57.6                               | 7176                    |

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

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 0800LST |
| Jan 46-May 47       | at 1230GMT |
| Jun 57-present      | at 1200GMT |

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

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

2

GLOBAL CLIMATOLOGY BRANCH  
USAFITAC  
AIR WEATHER SERVICE/PAC

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
PRECIPITATION  
(FROM DAILY OBSERVATIONS)

93216 VANUPORE AFB CA

2-7

STATION

STATION NAME

YEARS

|                | AMOUNTS (INCHES) |       |         |         |         |         |         |          |           |           |            |             |            |      | PERCENT<br>OF DAYS<br>WITH<br>MEASUR-<br>ABLE<br>AMTS | TOTAL<br>NO.<br>OF<br>OBS. | MONTHLY AMOUNTS<br>(INCHES) |       |  |
|----------------|------------------|-------|---------|---------|---------|---------|---------|----------|-----------|-----------|------------|-------------|------------|------|-------------------------------------------------------|----------------------------|-----------------------------|-------|--|
| PRECIP         | NONE             | TRACE | .01     | .02-.05 | .06-.10 | .11-.25 | .26-.50 | .51-1.00 | 1.01-2.50 | 2.51-5.00 | 5.01-10.00 | 10.01-20.00 | OVER 20.00 | MEAN |                                                       |                            | GREATEST                    | LEAST |  |
| SNOWFALL       | NONE             | TRACE | 0.1-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-6.4  | 6.5-10.4  | 10.5-15.4 | 15.5-25.4  | 25.5-50.4   | OVER 50.4  |      |                                                       |                            |                             |       |  |
| SNOW-<br>DEPTH | NONE             | TRACE | 1       | 2       | 3       | 4-6     | 7-12    | 13-24    | 25-36     | 37-48     | 49-60      | 61-120      | OVER 120   |      |                                                       |                            |                             |       |  |
| JAN            | 71.0             | 6.0   | 1.0     | 4.6     | 5.3     | 4.1     | 2.1     | 2.3      | 2.1       |           |            |             |            | 24.0 | 613                                                   | 2.33                       | 1.00                        | 0.00  |  |
| FEB            | 60.2             | 6.2   | 1.1     | 3.7     | 4.0     | 6.4     | 4.0     | 3.7      | 2.0       |           |            |             |            | 27.3 | 501                                                   | 2.45                       | 1.1                         | 0.0   |  |
| MAR            | 60.0             | 9.3   | 2.1     | 5.5     | 2.2     | 5.3     | 2.0     | 3.5      | 1.0       |           |            |             |            | 24.1 | 602                                                   | 1.72                       | 1.00                        | 0.0   |  |
| APR            | 71.0             | 0.5   | 2.1     | 4.3     | 2.3     | 4.1     | 2.0     | 2.4      |           |           |            |             |            | 18.4 | 570                                                   | 1.20                       | 4.1                         | 0.01  |  |
| MAY            | 74.2             | 15.4  | 3.0     | 5.5     | 1.0     | .5      | .2      | .2       | .2        |           |            |             |            | 12.4 | 502                                                   | .10                        | 2.7                         | 0.0   |  |
| JUN            | 71.0             | 22.2  | 3.0     | 4.0     |         | .5      |         |          |           |           |            |             |            | 7.5  | 528                                                   | .00                        | 2.2                         | 0.0   |  |
| JUL            | 60.0             | 15.6  | 2.3     | 3.0     | .2      |         |         |          |           |           |            |             |            | 5.4  | 612                                                   | .02                        | 1.4                         | 0.0   |  |
| AUG            | 71.0             | 22.3  | 3.2     | 1.3     | .0      | .3      |         | .2       |           |           |            |             |            | 1.6  | 520                                                   | .00                        | 1.00                        | 0.00  |  |
| SEP            | 72.2             | 10.4  | 4.0     | 3.2     | 1.2     | .7      | 1.0     | .2       | .0        |           |            |             |            | 12.4 | 526                                                   | .10                        | 2.2                         | 0.0   |  |
| OCT            | 70.7             | 11.7  | 1.1     | 2.0     | 1.1     | 1.8     | 1.1     | .7       | .5        |           |            |             |            | 1.3  | 613                                                   | .00                        | 2.05                        | 0.00  |  |
| NOV            | 70.5             | 7.6   | 1.3     | 4.4     | 2.5     | 4.0     | 4.4     | 3.2      | 1.0       |           |            |             |            | 21.1 | 593                                                   | 2.01                       | 0.26                        | 0.00  |  |
| DEC            | 70.3             | 4.7   | 2.0     | 4.1     | 1.0     | 2.4     | 3.0     | 2.0      | 1.0       | .3        |            |             |            | 21.3 | 615                                                   | 1.93                       | 0.30                        | 0.10  |  |
| ANNUAL         | 71.0             | 13.1  | 2.0     | 3.7     | 1.0     | 2.6     | 2.2     | 1.7      | .0        | .0        |            |             |            | 15.3 | 7105                                                  | 13.05                      |                             |       |  |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# EXTREME VALUES PRECIPITATION

FROM DAILY OBSERVATIONS

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

58-79  
YEARS

## 24 HOUR AMOUNTS IN INCHES

| MONTH<br>YEAR | JAN     | FEB   | MAR   | APR  | MAY   | JUN    | JUL   | AUG   | SEP   | OCT   | NOV  | DEC  | ALL<br>MONTHS |
|---------------|---------|-------|-------|------|-------|--------|-------|-------|-------|-------|------|------|---------------|
| 58            |         |       |       |      |       | *TRACE | .02   | .01   | .37   | TRACE | .07  | .18  |               |
| 59            | 1.35*   | 1.18  | .01   | .18  | TRACE | TRACE  | TRACE | .01   | .31   | TRACE | .00  | .19  | 1.35          |
| 60            | .92     | 1.53  | .20   | 1.16 | .01   | .01    | TRACE | .02   | .00   | 1.49  | .92  | .73  | 1.53          |
| 61            | .61     | .08   | .35   | .09  | .06   | .04    | .01   | TRACE | .01   | TRACE | .68  | .82  | .82           |
| 62            | .89     | 1.75  | .96   | .01  | .14   | TRACE  | TRACE | TRACE | .27   | .01   | .50  | 1.75 | 1.75          |
| 63            | .47     | 2.05  | 1.31  | .71  | .31   | .02    | TRACE | .20   | .32   | .45   | .82  | .11  | 2.05          |
| 64            | 1.30    | .07   | .89   | .34  | .16   | .03    | .05   | .07   | TRACE | .96   | .64  | .51  | 1.30          |
| 65            | .43     | .37   | .60   | 1.32 | .01   | TRACE  | .03   | .01   | .05   | .03   | 1.35 | 1.26 | 1.35          |
| 66            | .98     | .31   | .30   | .03  | .02   | .02    | .01   | .01   | .09   | .01   | 1.10 | 3.04 | 3.04          |
| 67            | .79     | .21   | .70   | .77  | .28   | .13    | TRACE | .02   | .13   | TRACE | .71  | .63  | .79           |
| 68            | .43     | .74   | 1.59  | .65  | .13   | .01    | TRACE | .07   | TRACE | 1.29  | .41  | .52  | 1.59          |
| 69            | 1.60    | 1.66  | .16   | 1.07 | .05   | .05    | .02   | .01   | .10   | .35   | .81  | .24  | 1.66          |
| 70            | .52     | 1.45  | .68   | .05  | TRACE | .04    | .01   | TRACE | .02   | .18   | 1.45 | .78  | 1.45          |
| 71            | .45     | .15   | .54   | .90  | .70   | .01    | .09   | .10   | .10   | .06   | .50  | .57  | .90           |
| 72            | .11     | .14   | TRACE | .26  | .03   | .03    | .02   | TRACE | .02   | .93   | 1.34 | .63  | 1.34          |
| 73            | 2.26    | 1.42  | .87   | .04  | .07   | TRACE  | TRACE | TRACE | .06   | .34   | .73  | .87  | 2.26          |
| 74            | 1.46    | .11   | 1.84  | .76  | .07   | .03    | .03   | .02   | .03   | 1.12  | .12  | 2.75 | 2.75          |
| 75            | .16     | 1.04  | 1.36  | .46  | .10*  | TRACE* | .03*  | .01*  | .03*  | .24*  | .35* | .18  | 1.36          |
| 76            | * .00*  | .61*  | .73*  | .54* | .01*  | .18*   | .04*  | .87*  | .99*  | .13*  | .08* | .38  | * .99         |
| 77            | * 1.33* | .17*  | 1.04* | .02* | 2.15* | .04*   | .03*  | .03*  | .06*  | .06*  | .24* | 1.65 | * 2.15        |
| 78            | * 1.12* | 2.00* | 2.21* | .80* | .02*  | .03*   | .04*  | .00*  | 1.72* | .00*  | .60* | .53  | * 2.21        |
| 79            | * 1.75* | 1.03  |       |      |       |        |       |       |       |       |      |      |               |
| MEAN          | .866    | .818  | .727  | .518 | .126  | .026   | .017  | .032  | .095  | .440  | .686 | .843 | 1.639         |
| S D           | .573    | .719  | .550  | .435 | .174  | .032   | .022  | .052  | .121  | .511  | .465 | .826 | .657          |
| TOTAL OBS     | 613     | 561   | 602   | 576  | 589   | 593    | 610   | 620   | 596   | 613   | 593  | 615  | 7186          |

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXX  
EXTREME VALUES  
XXXXXXXXXXXXXXXXXXXX  
MONTHLY PRECIPITATION

FROM DAILY OBSERVATIONS

93214 STATION VANDENBERG AFB CA STATION NAME

58-79

YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

| MONTH<br>YEAR | JAN     | FEB   | MAR   | APR   | MAY   | JUN    | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ALL<br>MONTHS |
|---------------|---------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|---------------|
| 58            |         |       |       |       |       | *TRACE | .02   | .03   | .60   | TRACE | .11   | .18   |               |
| 59            | 1.63*   | 3.37  | .02   | .18   | TRACE | TRACE  | TRACE | .01   | .41   | TRACE | .00   | .25   | * 5.87        |
| 60            | 3.43    | 3.90  | .50   | 1.74  | .01   | .01    | TRACE | .04   | .00   | 1.66  | 3.36  | .84   | 15.49         |
| 61            | 1.08    | .16   | .70   | .10   | .08   | .04    | .01   | TRACE | .01   | TRACE | 1.39  | 1.15  | 4.72          |
| 62            | 2.10    | 9.21  | 2.05  | .01   | .17   | TRACE  | TRACE | TRACE | TRACE | .44   | .01   | .53   | 14.52         |
| 63            | .89     | 3.12  | 3.41  | 2.56  | .36   | .04    | TRACE | .27   | .53   | .83   | 2.58  | .16   | 14.75         |
| 64            | 1.89    | .08   | 2.66  | .46   | .28   | .07    | .05   | .07   | TRACE | 1.88  | 2.32  | 2.61  | 12.37         |
| 65            | 1.11    | .48   | 1.66  | 4.03  | .01   | TRACE  | .03   | .01   | .05   | .03   | 6.26  | 2.82  | 16.42         |
| 66            | 1.18    | 1.25  | .32   | .05   | .05   | .03    | .03   | .04   | .15   | .01   | 2.11  | 5.47  | 10.69         |
| 67            | 1.84    | .40   | 2.29  | 4.61  | .36   | .32    | TRACE | .02   | .39   | TRACE | 2.33  | 1.39  | 13.95         |
| 68            | 1.14    | 1.22  | 3.68  | 1.13  | .19   | .01    | TRACE | .07   | TRACE | 2.55  | .94   | 2.39  | 13.32         |
| 69            | 9.30    | 7.73  | .60   | 1.88  | .12   | .18    | .03   | .01   | .19   | .52   | 1.58  | .73   | 22.87         |
| 70            | 2.02    | 2.09  | 1.13  | .11   | TRACE | .09    | .01   | TRACE | .03   | .18   | 2.46  | 3.04  | 11.16         |
| 71            | 1.11    | .24   | .93   | 1.37  | .95   | .03    | .10   | .12   | .10   | .08   | .92   | 3.14  | 9.09          |
| 72            | .21     | .37   | TRACE | .31   | .05   | .04    | .02   | TRACE | .02   | 1.46  | 5.03  | 1.46  | 8.99          |
| 73            | 2.61    | 5.92  | 3.46  | .05   | .18   | TRACE  | TRACE | TRACE | .17   | .58   | 2.67  | 1.98  | 20.62         |
| 74            | 5.59    | .24   | 5.18  | 1.10  | .10   | .07    | .08   | .08   | .14   | 1.45  | .14   | 4.71  | 18.88         |
| 75            | .33     | 2.76  | 4.02  | .78   | .17*  | TRACE* | .06*  | .03*  | .04*  | .58*  | .35*  | .20   | * 9.32        |
| 76            | * .00*  | 2.61* | 1.69* | 1.49* | .01*  | .23*   | .14*  | 1.04* | 2.28* | .16*  | .18*  | .38   | *10.21        |
| 77            | * 2.27* | .22*  | 1.44* | .07*  | 2.67* | .06*   | .04*  | .05*  | .11*  | .13*  | .25*  | 5.50  | *12.81        |
| 78            | * 5.05* | 7.97* | 5.69* | 2.64* | .02*  | .06*   | .11*  | .00*  | 1.72* | .00*  | 1.31* | 1.11  | *25.72        |
| 79            | * 4.61* | 2.92  |       |       |       |        |       |       |       |       |       |       |               |
| MEAN          | 2.380   | 2.448 | 1.918 | 1.204 | .181  | .058   | .022  | .045  | .164  | .686  | 2.014 | 1.932 | 13.861        |
| S.D.          | 2.772   | 2.880 | 1.585 | 1.399 | .230  | .084   | .028  | .067  | .197  | .812  | 1.738 | 1.564 | 4.726         |
| TOTAL OBS.    | 613     | 561   | 602   | 576   | 589   | 598    | 610   | 620   | 596   | 613   | 593   | 615   | 7186          |

NOTE \* (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATELOGY BRANCH  
USAF/PA  
AIR WEATHER SERVICE/PA

## DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
(FROM DAILY OBSERVATIONS)

93214 VANDENBERG AFB CA

7-7

STATION

STATION NAME

YEARS

| PRECIP.        | AMOUNTS (INCHES) |       |         |         |         |         |         |          |           |           |            |             |            | PERCENT<br>OF DAYS<br>WITH<br>MEASUR-<br>ABLE<br>AMTS | TOTAL<br>NO.<br>OF<br>OBS. | MONTHLY AMOUNTS<br>(INCHES) |          |       |
|----------------|------------------|-------|---------|---------|---------|---------|---------|----------|-----------|-----------|------------|-------------|------------|-------------------------------------------------------|----------------------------|-----------------------------|----------|-------|
|                | NONE             | TRACE | .01     | .02-.05 | .06-.10 | .11-.25 | .26-.50 | .51-1.00 | 1.01-2.50 | 2.51-5.00 | 5.01-10.00 | 10.01-20.00 | OVER 20.00 |                                                       |                            | MEAN                        | GREATEST | LEAST |
| SNOWFALL       | NONE             | TRACE | 0.1-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-6.4  | 6.5-10.4  | 10.5-15.4 | 15.5-25.4  | 25.5-50.4   | OVER 50.4  |                                                       |                            |                             |          |       |
| SNOW-<br>DEPTH | NONE             | TRACE | 1       | 2       | 3       | 4-6     | 7-12    | 13-24    | 25-36     | 37-48     | 49-60      | 61-120      | OVER 120   |                                                       |                            |                             |          |       |
| JAN            | 99.9             | .5    |         | .3      |         |         |         |          |           |           |            |             |            | .7                                                    | 517                        | .1                          | 1.4      | .0    |
| FEB            | 100.0            |       |         |         |         |         |         |          |           |           |            |             |            |                                                       | 507                        | .0                          | .7       | .0    |
| MAR            | 100.0            |       |         |         |         |         |         |          |           |           |            |             |            |                                                       | 507                        | .0                          | .7       | .0    |
| APR            | 100.0            |       |         |         |         |         |         |          |           |           |            |             |            |                                                       | 577                        | .0                          | .7       | .0    |
| MAY            | 100.0            |       |         |         |         |         |         |          |           |           |            |             |            |                                                       | 507                        | .0                          | .7       | .0    |
| JUN            | 100.0            |       |         |         |         |         |         |          |           |           |            |             |            |                                                       | 507                        | .0                          | .7       | .0    |
| JUL            | 100.0            |       |         |         |         |         |         |          |           |           |            |             |            |                                                       | 517                        | .0                          | .7       | .0    |
| AUG            | 100.0            |       |         |         |         |         |         |          |           |           |            |             |            |                                                       | 527                        | .0                          | .7       | .0    |
| SEP            | 100.0            |       |         |         |         |         |         |          |           |           |            |             |            |                                                       | 595                        | .0                          | .7       | .0    |
| OCT            | 100.0            |       |         |         |         |         |         |          |           |           |            |             |            |                                                       | 617                        | .0                          | .7       | .0    |
| NOV            | 100.0            |       |         |         |         |         |         |          |           |           |            |             |            |                                                       | 597                        | .0                          | .7       | .0    |
| DEC            | 100.0            |       |         |         |         |         |         |          |           |           |            |             |            |                                                       | 615                        | .0                          | .7       | .0    |
| ANNUAL         | 99.9             | .0    |         | .0      |         |         |         |          |           |           |            |             |            | .7                                                    | 7186                       | .1                          |          |       |

2

SNOWFALL

FROM DAILY OBSERVATIONS

58-79

YEARS

[illegible]

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

XXXXXXXXXXXXXXXXXXXX  
 EXTREME VALUES  
 XXXXXXXXXXXXXXXXXXXX  
 MONTHLY SNOWFALL

FROM DAILY OBSERVATIONS

YEARS

[illegible]

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

GLOBAL CLIMATOLOGY STATION  
USAF/FAA  
AIR WEATHER SERVICE/FAA

## DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
(FROM DAILY OBSERVATIONS)

93214 VAN HORN, ARIZONA

1971

STATION

STATION NAME

YEARS

| PRECIP.        | AMOUNTS (INCHES) |       |         |         |         |         |         |         |          |           |           |           |           | PERCENT<br>OF DAYS<br>WITH<br>MEASUR-<br>ABLE<br>AMTS | TOTAL<br>NO.<br>OF<br>OBS. | MONTHLY AMOUNTS<br>(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 | 0.1-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-6.4 | 6.5-10.4 | 10.5-15.4 | 15.5-25.4 | 25.5-50.4 | OVER 50.4 |                                                       |                            |                             |          |       |
| SNOW-<br>DEPTH | NONE             | TRACE | 1       | 2       | 3       | 4-6     | 7-12    | 13-24   | 25-36    | 37-48     | 49-60     | 61-120    | OVER 120  |                                                       |                            |                             |          |       |
| JAN            | 99.0             | 0.0   |         |         |         |         |         |         |          |           |           |           |           |                                                       | 613                        |                             |          |       |
| FEB            | 100.0            |       |         |         |         |         |         |         |          |           |           |           |           |                                                       | 567                        |                             |          |       |
| MAR            | 100.0            |       |         |         |         |         |         |         |          |           |           |           |           |                                                       | 500                        |                             |          |       |
| APR            | 100.0            |       |         |         |         |         |         |         |          |           |           |           |           |                                                       | 576                        |                             |          |       |
| MAY            | 100.0            |       |         |         |         |         |         |         |          |           |           |           |           |                                                       | 580                        |                             |          |       |
| JUN            | 100.0            |       |         |         |         |         |         |         |          |           |           |           |           |                                                       | 600                        |                             |          |       |
| JUL            | 100.0            |       |         |         |         |         |         |         |          |           |           |           |           |                                                       | 610                        |                             |          |       |
| AUG            | 100.0            |       |         |         |         |         |         |         |          |           |           |           |           |                                                       | 620                        |                             |          |       |
| SEP            | 100.0            |       |         |         |         |         |         |         |          |           |           |           |           |                                                       | 596                        |                             |          |       |
| OCT            | 100.0            |       |         |         |         |         |         |         |          |           |           |           |           |                                                       | 613                        |                             |          |       |
| NOV            | 100.0            |       |         |         |         |         |         |         |          |           |           |           |           |                                                       | 597                        |                             |          |       |
| DEC            | 100.0            |       |         |         |         |         |         |         |          |           |           |           |           |                                                       | 615                        |                             |          |       |
| ANNUAL         | 100.0            | 0.0   |         |         |         |         |         |         |          |           |           |           |           |                                                       | 7188                       |                             |          |       |



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## EXTREME VALUES

SNOW DEPTH

FROM DAILY OBSERVATIONS

93214 VANDENBERG AFB CA

58-79

YEARS

### DAILY SNOW DEPTH IN INCHES

| MONTH<br>YEAR | JAN   | FEB  | MAR  | APR  | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  | NOV  | DEC  | ALL<br>MONTHS |
|---------------|-------|------|------|------|------|------|------|------|------|------|------|------|---------------|
| 58            |       |      |      |      |      | 0    | 0    | 0    | 0    | 0    | 0    | 0    |               |
| 59            | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |               |
| 60            | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |               |
| 61            | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |               |
| 62            | TRACE | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | TRACE         |
| 63            | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |               |
| 64            | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |               |
| 65            | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |               |
| 66            | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |               |
| 67            | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |               |
| 68            | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |               |
| 69            | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |               |
| 70            | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |               |
| 71            | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |               |
| 72            | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |               |
| 73            | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |               |
| 74            | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |               |
| 75            | 0     | 0    | 0    | 0    | 0*   | 0*   | 0*   | 0*   | 0*   | 0*   | 0*   | 0    | *             |
| 76            | *     | 0*   | 0*   | 0*   | 0*   | 0*   | 0*   | 0*   | 0*   | 0*   | 0*   | 0    | *             |
| 77            | *     | 0*   | 0*   | 0*   | 0*   | 0*   | 0*   | 0*   | 0*   | 0*   | 0*   | 0    | *             |
| 78            | *     | 0*   | 0*   | 0*   | 0*   | 0*   | 0*   | 0*   | 0*   | 0*   | 0*   | 0    | *             |
| 79            | *     | 0*   | 0    |      |      |      |      |      |      |      |      |      |               |
| MEAN          | TRACE | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | TRACE         |
| S.D.          | .000  | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000          |
| TOTAL OBS.    | 613   | 562  | 602  | 576  | 588  | 600  | 610  | 620  | 596  | 613  | 593  | 615  | 7188          |

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

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.

2

### SURFACE WINDS

93214 STATION VANDENBERG AFB CA STATION NAME

58-79

YEARS

## DAILY PEAK WINDS IN KNOTS

| MONTH     | JAN   | FEB   | MAR    | APR   | MAY   | JUN   | JUL   | AUG     | SEP   | OCT   | NOV   | DEC   | ALL MONTHS |
|-----------|-------|-------|--------|-------|-------|-------|-------|---------|-------|-------|-------|-------|------------|
| 58        |       |       |        |       |       |       |       |         |       |       |       |       |            |
| 59        |       |       |        |       |       |       |       |         |       |       |       |       |            |
| 60        |       |       |        |       |       |       |       |         |       |       |       |       |            |
| 61        |       |       |        |       |       |       |       |         |       |       |       |       |            |
| 62        |       |       |        |       |       |       |       |         |       |       |       |       |            |
| 63        |       |       |        |       |       |       |       |         |       |       |       |       |            |
| 64        | SSW   | 361W  | 27ESE  | 31NW  | 32NW  | 31NW  | 32NNW | 28NW    | 22NW  | 24ESE | 21SW  | 29ESE | 32 SSW 36  |
| 65        | NNW   | 32WNW | 32SE   | 40WNW | 34WNW | 35NNW | 29NW  | 25NW    | 23NW  | 25NNW | 30SE  | 35SW  | *31 SE 40  |
| 66        | SE    | 33NW  | 30NW   | 33WNW | 25NW  | 20NNW | 30WNW | 23NW    | 22NW  | 24NNW | 25ESE | 28SE  | *34 SE *34 |
| 67        | SSW   | 33NNE | 24NNW  | 28NW  | 29NNW | 27NW  | 23NW  | *16NNW* | 21NNW | 20NW  | 28SE  | 26S   | 28 SSW 33  |
| 68        | NW    | 22SE  | *22WNW | 26WNW | 36WNW | 28WNW | 2629/ | 2429/   | 2831/ | 3231/ | 2832/ | 3133/ | 33 WNW 36  |
| 69        | 33/   | 4119/ | 4132/  | 3633/ | 3532/ | 3332/ | 3132/ | 2531*   | 2434/ | 2633/ | 3215/ | 3333/ | 33 33/ 41  |
| 70        | 13/   | 3217/ | 3133/  | 2932/ | 3337/ | 3232/ | 3632/ | 2532/   | 2333/ | 2732/ | 2428/ | 3813/ | 32 28/ 38  |
| 71        | 33/   | 2933/ | 3533/  | 3330/ | 3234/ | 2632/ | 2033/ | 2832/   | 2931/ | 3033/ | 3233/ | 2513/ | 39 13/ 39  |
| 72        | 33/   | 2933/ | 2834/  | 3333/ | 3133/ | 2933/ | 3233/ | 2334/   | 3034/ | 2517/ | 3234/ | 3030/ | 32 34/ 33  |
| 73        | 13/   | 3616/ | 4033/  | 3733/ | 3735/ | 3035/ | 3234/ | 2633/   | 2533/ | 2733/ | 2716/ | 2931/ | 28 16/ 40  |
| 74        | 14/   | 3433/ | 3233/  | 2531/ | 3133/ | 2731/ | 2033/ | 2433/   | 2132/ | 1932/ | 36 1/ | 2613/ | 35 32/ 36  |
| 75        | 34/   | 2818/ | 3313/  | 4033/ | 3032/ | 3534* | 3033* | 2532*   | 2232* | 2033* | 2933* | 3033* | 26 13/ 40  |
| 76        | 33*   | 1933* | 2531*  | 3231* | 4032* | 2433* | 3232* | 2632*   | 2923* | 22 2* | 26 2* | 20 3* | 25 31* 40  |
| 77        | 33*   | 2033* | 2933*  | 3222* | 3232* | 3032* | 2433* | 2031*   | 2534* | 2833* | 24 1* | 3215* | 44 15* 44  |
| 78        | 26*   | 3831* | 3014*  | 3232* | 2433* | 3034* | 2832* | 2511*   | 3034* | 3133* | 1713* | 2431* | 32 26* 36  |
| 79        | 14*   | 4114* | 30     |       |       |       |       |         |       |       |       |       |            |
| MEAN      | 32.1  | 32.1  | 32.6   | 32.1  | 29.5  | 28.3  | 25.2  | 24.8    | 25.1  | 28.3  | 30.0  | 31.4  | 27.0       |
| S.D.      | 4.795 | 5.147 | 5.035  | 3.288 | 4.095 | 5.065 | 1.722 | 3.190   | 3.753 | 4.330 | 3.838 | 4.575 | 2.530      |
| TOTAL OBS | 455   | 418   | 439    | 419   | 453   | 444   | 448   | 455     | 440   | 450   | 436   | 444   | 530        |

| NOTES                |              | * (BASED ON LESS THAN FULL MONTHS)                |
|----------------------|--------------|---------------------------------------------------|
| USAF ETAC FORM 10-41 | 0-80.5 (OLA) | * (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS) |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/TAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

44214 STATION VANDENBERG AFB CA 50-70.73 YEARS JA MONTH  
CLASS ALL WEATHER 0000-0200 HOURS (L.S.T.)  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.1   | 2.4   | 1.3    | .1      |         |         |         |         |         |         |      | 5.9   | 5.1                   |
| NNE                     | .5    | 2.2   | 1.7    | 1.1     |         |         |         |         |         |         |      | 5.6   | 7.2                   |
| NE                      | 1.3   | 1.3   | .3     | .3      |         |         |         |         |         |         |      | 3.2   | 4.5                   |
| ENE                     | 1.7   | 1.3   | .3     |         |         |         |         |         |         |         |      | 3.5   | 3.1                   |
| E                       | 1.5   | 12.4  | 3.0    |         |         |         |         |         |         |         |      | 18.8  | 4.7                   |
| ESE                     | 4.0   | 15.9  | 4.0    | .1      |         |         |         |         |         |         |      | 25.5  | 7.3                   |
| SE                      | 1.5   | 4.0   | 3.2    | 1.3     | 2.7     | .1      |         |         |         |         |      | 15.3  | 8.8                   |
| SSE                     | .5    | .6    | .5     | .5      | .3      |         |         |         |         |         |      | 2.7   | 7.1                   |
| S                       |       | .3    | .3     | 1.1     | 1.0     |         |         |         |         |         |      | 3.2   | 14.1                  |
| SSW                     | .5    |       | .2     |         |         |         |         |         |         |         |      | .8    | 4.0                   |
| SW                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| WSW                     | .2    | .2    | .2     |         |         |         |         |         |         |         |      | 1.6   | 5.0                   |
| W                       | .2    | .3    |        | .2      |         |         |         |         |         |         |      | .8    | 7.0                   |
| WNW                     |       | .3    | .1     |         |         |         |         |         |         |         |      | .5    | 7.0                   |
| NW                      | .1    | .5    | 1.1    |         |         |         |         |         |         |         |      | 1.9   | 7.0                   |
| NNW                     | .1    | .3    | 1.7    | .2      | .3      |         |         |         |         |         |      | 3.0   | 11.6                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 7.5   |                       |
|                         | 14.0  | 42.5  | 14.4   | 3.0     | 4.0     | .1      |         |         |         |         |      | 100.0 | 5.9                   |

TOTAL NUMBER OF OBSERVATIONS 372

GLOBAL CLIMATELOGY BRANCH  
USAFETAC  
AIR LAUNCH SERVICE/AC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION VALLEJO AFB CA STATION NAME no-70,73,78 YEARS JA  
CLASS ALL WEATHER MONTH 0300-0500  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .4    | 2.9   | 1.0    | .3      |         |         |         |         |         |         |      | 5.6   | 6.1                   |
| NNE                     | 1.4   | 2.9   | .8     | .0      |         |         |         |         |         |         |      | 5.9   | 5.9                   |
| NE                      | 1.0   | 1.1   | .3     | .3      |         |         |         |         |         |         |      | 3.2   | 4.3                   |
| ENE                     | .4    | 2.4   |        |         |         |         |         |         |         |         |      | 3.2   | 4.0                   |
| E                       | 4.2   | 6.7   |        |         |         |         |         |         |         |         |      | 11.2  | 3.1                   |
| ESE                     | 3.1   | 17.6  | 6.7    |         |         |         |         |         |         |         |      | 29.4  | 5.2                   |
| SE                      | 3.2   | 8.3   | 3.2    | 1.0     | 2.9     |         |         |         |         |         |      | 19.5  | 7.7                   |
| SSE                     | .2    | .3    | 1.3    | .3      | .3      |         |         |         |         |         |      | 2.7   | 7.5                   |
| S                       | .3    | .3    | .0     | .3      | .3      | 1.3     |         |         |         |         |      | 3.5   | 15.5                  |
| SSW                     | .2    |       |        |         | .3      |         |         |         |         |         |      | .8    | 8.3                   |
| SW                      |       | .3    |        |         |         |         |         |         |         |         |      | .3    | 4.0                   |
| WSW                     |       | .3    |        |         |         |         |         |         |         |         |      | .3    | 4.0                   |
| W                       | .2    | .3    |        |         |         |         |         |         |         |         |      | .8    | 3.3                   |
| WNW                     | .3    | .5    | .3     |         |         |         |         |         |         |         |      | 1.3   | 6.2                   |
| NW                      | .2    |       |        |         |         |         |         |         |         |         |      | .5    | 2.0                   |
| NNW                     | .2    | 1.2   | .0     | .0      |         |         |         |         |         |         |      | 3.7   | 6.8                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 8.0   |                       |
|                         | 21.1  | 42.2  | 10.0   | 4.3     | 3.7     | 1.3     |         |         |         |         |      | 100.0 | 5.6                   |

TOTAL NUMBER OF OBSERVATIONS 374

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 93214 STATION NAME VANDENBERG AFB CA YEARS 66-70, 73-79 MONTH JAN  
CLASS ALL 0600-0000  
HOURS (LST) 0600-0000  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 2.1   | .8    | 2.5    | .0      |         |         |         |         |         |         |      | 6.2   | 4.4                   |
| NNE                     | 1.2   | 3.0   | 1.0    | .5      |         |         |         |         |         |         |      | 5.9   | 5.4                   |
| NE                      | 1.2   | 1.3   | .5     |         |         |         |         |         |         |         |      | 3.1   | 4.3                   |
| ENE                     | .2    | 1.5   |        |         |         |         |         |         |         |         |      | 2.0   | 4.2                   |
| E                       | 4.4   | 7.6   | 1.0    |         |         |         |         |         |         |         |      | 13.7  | 4.2                   |
| ESE                     | 0.1   | 17.6  | 8.6    | .2      |         |         |         |         |         |         |      | 32.1  | 5.3                   |
| SE                      | 3.1   | 4.9   | 4.1    | 2.5     | 1.5     | .2      |         |         |         |         |      | 16.6  | 2.0                   |
| SSE                     |       | .5    | .5     | .5      | .2      |         |         |         |         |         |      | 1.5   | 10.2                  |
| S                       | .2    | .5    | .2     |         | .2      |         |         |         |         |         |      | .8    | 4.8                   |
| SSW                     | .6    | .2    |        |         | .2      | .2      | .2      |         |         |         |      | 1.2   | 10.1                  |
| SW                      | .4    |       |        | .2      |         |         |         |         |         |         |      | .5    | 2.3                   |
| WSW                     |       |       | .2     |         |         |         |         |         |         |         |      | .2    | 3.0                   |
| W                       | .2    |       | .3     | .2      |         |         |         |         |         |         |      | .7    | 6.5                   |
| WNW                     | .2    | .2    |        |         | .2      |         |         |         |         |         |      | .8    | 5.6                   |
| NW                      | .2    | 1.0   | 1.2    | .2      | .2      |         |         |         |         |         |      | 2.6   | 7.6                   |
| NNW                     | 1.2   | 2.0   | 1.4    | .3      |         |         |         |         |         |         |      | 5.3   | 5.8                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 6.9   |                       |
|                         | 21.7  | 41.0  | 21.4   | 5.3     | 2.5     | .2      | .2      |         |         |         |      | 100.0 | 5.7                   |

TOTAL NUMBER OF OBSERVATIONS 608

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 93214 VANDENBERG AFB CA STATION NAME ALL AF THIR YEARS 66-70, 73-79 MONTH JA  
CLASS 0900-1100  
HOURS (LST.)  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 2.1   | 2.4   | 4.5    | 1.3     | .1      |         |         |         |         |         |      | 17.5  | 7.0                   |
| NNE                     | .7    | 2.1   | 2.2    | .7      |         |         |         |         |         |         |      | 5.7   | 6.9                   |
| NE                      | .7    | .7    | .2     |         |         |         |         |         |         |         |      | 1.7   | 4.2                   |
| ENE                     | 1.1   | .5    |        |         |         |         |         |         |         |         |      | 1.6   | 2.5                   |
| E                       | 3.1   | 2.6   | .2     |         |         |         |         |         |         |         |      | 5.9   | 3.6                   |
| ESE                     | 5.5   | 8.8   | 4.4    | .5      | .2      |         |         |         |         |         |      | 19.4  | 5.3                   |
| SE                      | 3.1   | 6.0   | 4.0    | 2.2     | 1.8     | .2      | .1      |         |         |         |      | 19.2  | 4.3                   |
| SSE                     | 1.3   | 1.0   | 1.5    | 1.0     | .5      |         |         |         |         |         |      | 6.6   | 7.9                   |
| S                       | 1.0   | .5    | .2     | .5      | .1      |         |         |         |         |         |      | 2.7   | 6.6                   |
| SSW                     | .7    | .6    | .2     | .2      |         |         |         |         |         |         |      | 1.8   | 5.4                   |
| SW                      | .4    | .2    |        | .2      |         |         |         |         |         |         |      | .9    | 5.7                   |
| WSW                     | .2    |       | .1     | .1      |         |         |         |         |         |         |      | .9    | 4.8                   |
| W                       | 1.0   | .9    | .2     | .1      |         |         |         |         |         |         |      | 2.2   | 4.7                   |
| WNW                     | 1.0   | .4    | .4     | .1      | .1      |         |         |         |         |         |      | 2.0   | 5.6                   |
| NW                      | .5    | 1.1   | 2.0    | .6      |         |         |         |         |         |         |      | 4.2   | 7.3                   |
| NNW                     | 1.2   | 2.3   | 2.4    | 1.0     |         |         |         |         |         |         |      | 7.5   | 6.8                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 8.3   |                       |
|                         | 24.4  | 30.1  | 23.0   | 10.3    | 2.9     | .2      | .1      |         |         |         |      | 100.0 | 5.9                   |

TOTAL NUMBER OF OBSERVATIONS 818

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBURG AFB CA STATION NAME 60-70, 73-79 YEARS JAN MONTH  
CLASS ALL WEATHER 1200-1400 HOURS (L.S.T.)  
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N                 | .2    | 1.3   | 1.6    | 2.3     | .4      |         |         |         |         |         |      | 5.9   | 9.6             |
| NNE               | .2    | .5    | .5     | .4      | .1      |         |         |         |         |         |      | 1.7   | 8.6             |
| NE                | .2    | .1    |        |         |         |         |         |         |         |         |      | .4    | 3.7             |
| ENE               | .2    | .2    | .2     |         |         |         |         |         |         |         |      | .7    | 4.5             |
| E                 | .2    |       |        | .1      |         |         |         |         |         |         |      | .4    | 7.0             |
| ESE               | .0    | 1.0   | .2     | .9      | .5      |         |         |         |         |         |      | 3.4   | 9.4             |
| SE                | .4    | .7    | 1.1    | 2.6     | .9      | .2      | .1      |         |         |         |      | 6.2   | 12.6            |
| SSE               | .4    | .7    | 1.8    | 1.7     | .9      |         |         |         |         |         |      | 5.5   | 10.6            |
| S                 | .7    | .6    | 1.3    | 1.2     | .5      |         |         |         |         |         |      | 4.4   | 9.5             |
| SSW               | .2    | .9    | 1.0    | .4      | .1      |         |         |         |         |         |      | 2.6   | 7.6             |
| SW                | 1.0   | .9    | 1.0    | .2      |         |         |         |         |         |         |      | 3.1   | 5.6             |
| WSW               | .7    | 3.5   | 1.5    | .4      |         |         |         |         |         |         |      | 6.1   | 5.8             |
| W                 | 3.4   | 4.8   | 1.1    | .0      |         |         |         |         |         |         |      | 9.9   | 5.0             |
| WNW               | 2.0   | 5.5   | 1.6    | 1.0     |         |         |         |         |         |         |      | 10.9  | 5.5             |
| NW                | 1.8   | 8.4   | 8.8    | 4.4     | .5      |         |         |         |         |         |      | 19.9  | 8.0             |
| NNW               | 1.3   | 2.1   | 5.5    | 5.7     | .2      | .2      |         |         |         |         |      | 15.2  | 9.7             |
| VARBL             |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| CALM              |       |       |        |         |         |         |         |         |         |         |      | 3.8   |                 |
|                   | 14.7  | 29.2  | 25.6   | 22.1    | 4.0     | .5      | .1      |         |         |         |      | 100.0 | 7.8             |

TOTAL NUMBER OF OBSERVATIONS 818



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

54-70, 73-79  
YEARS

JA 13  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.6   | 1.1   | 1.1    | 1.7     | .1      | .1      |         |         |         |         |      | 5.8   | 7.9                   |
| NNE                     | .7    | .9    | .4     | .4      |         |         |         |         |         |         |      | 2.3   | 6.3                   |
| NNE                     | .1    | .2    |        |         |         |         |         |         |         |         |      | .4    | 4.7                   |
| ENE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| E                       | .1    | .1    |        |         |         |         |         |         |         |         |      | .2    | 3.0                   |
| ESE                     | .2    | .1    | .2     | .2      | .4      | .1      |         |         |         |         |      | 1.4   | 11.9                  |
| SE                      | .1    | .5    | 2.6    | 2.4     | .4      | .2      |         |         |         |         |      | 6.8   | 11.6                  |
| SSE                     | .1    | .7    | 2.2    | 1.0     | .1      |         |         |         |         |         |      | 4.8   | 9.9                   |
| S                       | .4    | .9    | 1.7    | .9      | .5      |         |         |         |         |         |      | 4.3   | 9.6                   |
| SSW                     | .1    | .5    | .7     | .4      |         |         |         |         |         |         |      | 1.7   | 7.9                   |
| SW                      | .4    | .7    | .7     | .4      |         |         |         |         |         |         |      | 2.2   | 6.8                   |
| WSW                     | .0    | 1.5   | .9     |         |         |         |         |         |         |         |      | 2.9   | 5.2                   |
| W                       | 1.7   | 4.9   | 1.0    |         |         |         |         |         |         |         |      | 7.6   | 4.9                   |
| WNW                     | 2.7   | 3.1   | 2.0    | .7      |         |         |         |         |         |         |      | 8.5   | 5.4                   |
| NW                      | 2.7   | 7.7   | 6.6    | 3.3     | 1.1     |         |         |         |         |         |      | 21.5  | 7.6                   |
| NNW                     | 2.3   | 6.3   | 7.4    | 7.7     | .9      | .1      |         |         |         |         |      | 24.7  | 9.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 4.9   |                       |
|                         | 16.0  | 29.2  | 27.5   | 20.3    | 3.4     | .6      |         |         |         |         |      | 100.0 | 7.6                   |

TOTAL NUMBER OF OBSERVATIONS 814

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

93214 STATION VANDENBERG AFB CA 68-70, 73-75, 79 YEARS JA MONTH  
1800-2000 HOURS (LST)

ALL WEATHER  
CLASS

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 4.5   | 4.5   | 3.2    | 1.0     |         |         |         |         |         |         |      | 13.7  | 5.9                   |
| NNE                     | 1.6   | 1.6   | 1.2    | .2      |         |         |         |         |         |         |      | 4.8   | 5.0                   |
| NE                      | 1.6   | .7    | .4     |         |         |         |         |         |         |         |      | 2.7   | 3.8                   |
| ENE                     | 1.8   | .7    | .5     |         |         |         |         |         |         |         |      | 3.0   | 3.6                   |
| E                       | 2.9   | 2.1   | .9     |         |         |         |         |         |         |         |      | 5.9   | 3.7                   |
| ESE                     | 2.9   | .9    | .9     | .4      | .2      |         |         |         |         |         |      | 7.1   | 4.8                   |
| SE                      | 1.4   | 2.3   | 2.5    | 2.3     | .7      | .7      |         |         |         |         |      | 10.0  | 9.7                   |
| SSE                     | .7    | .4    | .7     | 1.1     | .4      |         |         |         |         |         |      | 3.2   | 9.7                   |
| S                       | .7    |       | .9     | .4      |         |         |         |         |         |         |      | 2.0   | 7.0                   |
| SSW                     | .2    |       | .4     | .4      | .2      |         |         |         |         |         |      | 1.1   | 10.8                  |
| SW                      | .7    | .4    | .5     |         |         |         |         |         |         |         |      | 1.6   | 4.7                   |
| WSW                     | .2    | .5    | .2     |         |         |         |         |         |         |         |      | .9    | 5.0                   |
| W                       | .7    | .5    | .2     |         |         |         |         |         |         |         |      | 1.4   | 4.0                   |
| WNW                     | .9    | .5    | .2     |         |         |         |         |         |         |         |      | 1.6   | 3.6                   |
| NW                      | 3.0   | 2.3   | 1.0    | 1.2     |         |         |         |         |         |         |      | 8.2   | 5.9                   |
| NNW                     | 1.6   | 5.7   | 5.5    | 3.0     | .4      |         |         |         |         |         |      | 16.2  | 7.7                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 16.4  |                       |
|                         | 25.5  | 25.2  | 19.8   | 10.5    | 1.8     | .7      |         |         |         |         |      | 100.0 | 5.3                   |

TOTAL NUMBER OF OBSERVATIONS 560

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA 68-70, 73-75 YEARS JAN MONTH  
CLASS ALL WEATHER  
CONDITION  
2100-2300 HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 2.6   | 3.2   | 2.6    | 1.3     | .2      |         |         |         |         |         |      | 10.0  | 6.2                   |
| NNE                     | 2.3   | 3.6   | 1.1    |         |         |         |         |         |         |         |      | 7.0   | 4.6                   |
| NE                      | 1.3   | 1.1   | .8     | .2      |         |         |         |         |         |         |      | 3.4   | 4.6                   |
| ENE                     | 1.7   | .4    | .2     |         |         |         |         |         |         |         |      | 2.3   | 3.2                   |
| E                       | 4.5   | 6.0   | 1.1    |         |         |         |         |         |         |         |      | 11.7  | 4.1                   |
| ESE                     | 5.5   | 10.5  | 3.2    | .8      | .2      |         |         |         |         |         |      | 20.1  | 5.2                   |
| SE                      | 2.3   | 5.6   | .9     | 2.6     | 1.3     | .6      |         |         |         |         |      | 13.3  | 8.5                   |
| SSE                     | .9    | .6    | .9     | 1.1     | .2      |         |         |         |         |         |      | 3.8   | 8.6                   |
| S                       | .4    | .6    | .6     | 1.1     |         | .6      |         |         |         |         |      | 3.2   | 11.5                  |
| SSW                     |       |       | .2     | .4      |         |         |         |         |         |         |      | .9    | 11.2                  |
| SW                      | .6    | .6    |        |         |         |         |         |         |         |         |      | 1.1   | 4.0                   |
| WSW                     | .2    | .4    |        |         |         |         |         |         |         |         |      | .6    | 4.3                   |
| W                       | .2    |       |        |         |         |         |         |         |         |         |      | .2    | 2.0                   |
| WNW                     | .4    | .2    |        |         |         |         |         |         |         |         |      | .6    | 2.7                   |
| NW                      | .6    | 1.7   | 1.1    |         |         |         |         |         |         |         |      | 3.4   | 5.5                   |
| NNW                     | 1.1   | 1.1   | 3.6    | 1.7     | .2      |         |         |         |         |         |      | 7.7   | 7.8                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 10.9  |                       |
|                         | 24.4  | 35.5  | 16.4   | 9.6     | 2.1     | 1.1     |         |         |         |         |      | 100.0 | 5.5                   |

TOTAL NUMBER OF OBSERVATIONS 532

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA STATION NAME 68-70, 73-79 YEARS  
ALL WEATHER CLASS  
CONDITION  
JAN MONTH  
ALL HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.9   | 2.2   | 2.4    | 1.4     | .1      | .0      |         |         |         |         |      | 8.0   | 6.9                   |
| NNE                     | 1.1   | 1.9   | 1.1    | .5      | .0      |         |         |         |         |         |      | 4.6   | 6.0                   |
| NE                      | .9    | .7    | .3     | .1      |         |         |         |         |         |         |      | 2.0   | 4.3                   |
| ENE                     | .9    | .7    | .1     |         |         |         |         |         |         |         |      | 1.7   | 3.6                   |
| E                       | 2.6   | 3.7   | .7     | .0      |         |         |         |         |         |         |      | 7.0   | 4.1                   |
| ESE                     | 3.5   | 7.9   | 3.2    | .4      | .2      | .0      |         |         |         |         |      | 15.2  | 5.2                   |
| SE                      | 1.9   | 3.6   | 2.7    | 2.5     | 1.3     | .4      | .0      |         |         |         |      | 12.5  | 7.1                   |
| SSE                     | .7    | .7    | 1.3    | 1.2     | .4      |         |         |         |         |         |      | 4.2   | 9.2                   |
| S                       | .5    | .5    | .9     | .7      | .3      | .2      |         |         |         |         |      | 3.1   | 9.9                   |
| SSW                     | .3    | .3    | .4     | .3      | .1      | .6      | .0      |         |         |         |      | 1.5   | 3.4                   |
| SW                      | .5    | .4    | .3     | .2      |         |         |         |         |         |         |      | 1.4   | 5.6                   |
| WSW                     | .4    | 1.0   | .5     | .1      |         |         |         |         |         |         |      | 2.0   | 5.4                   |
| W                       | 1.2   | 1.9   | .4     | .2      |         |         |         |         |         |         |      | 3.7   | 5.0                   |
| WNW                     | 1.3   | 1.7   | .7     | .3      | .0      |         |         |         |         |         |      | 4.0   | 5.4                   |
| NW                      | 1.3   | 3.1   | 3.1    | 1.6     | .3      |         |         |         |         |         |      | 9.4   | 7.4                   |
| NNW                     | 1.3   | 2.9   | 4.1    | 3.1     | .3      | .1      |         |         |         |         |      | 11.7  | 8.4                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 7.9   |                       |
|                         | 20.2  | 33.3  | 22.2   | 12.5    | 3.1     | .1      | .1      |         |         |         |      | 100.0 | 6.3                   |

TOTAL NUMBER OF OBSERVATIONS 4896

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 93214 STATION NAME VANDENBERG AFB CA YEARS 66-70.73 MONTH FEB  
CLASS ALL WFTHEP 0000-0200 HOURS (L.S.T.)  
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N                 | .6    | 2.9   | 2.9    |         |         |         |         |         |         |         |      | 6.5   | 6.0             |
| NNE               | .9    | 1.8   | 2.1    |         |         |         |         |         |         |         |      | 4.7   | 5.5             |
| NE                | .6    | 2.1   | .3     |         |         |         |         |         |         |         |      | 2.9   | 4.7             |
| ENE               | 2.4   | 2.7   | .3     |         |         |         |         |         |         |         |      | 5.3   | 3.8             |
| E                 | 3.2   | 7.4   | .9     |         |         |         |         |         |         |         |      | 11.5  | 4.2             |
| ESE               | 3.2   | 13.3  | 6.5    | .6      | .3      |         |         |         |         |         |      | 23.9  | 5.6             |
| SE                | 2.9   | 5.0   | 4.4    | 3.8     | 1.2     |         |         |         |         |         |      | 17.4  | 7.9             |
| SSE               | .6    | .9    | .9     | 1.2     | .3      | .6      |         |         |         |         |      | 4.4   | 10.5            |
| S                 | 1.5   | 1.2   | .6     | .3      | .6      |         |         |         |         |         |      | 4.1   | 7.1             |
| SSW               | .6    |       | 1.2    | .3      |         |         |         |         |         |         |      | 2.1   | 7.1             |
| SW                |       | .3    |        | .3      |         |         |         |         |         |         |      | .6    | 8.0             |
| WSW               |       | .6    |        |         |         |         |         |         |         |         |      | .6    | 5.0             |
| W                 |       | .9    |        | .3      |         |         |         |         |         |         |      | 1.2   | 5.8             |
| WNW               |       |       | 1.2    | .6      |         |         |         |         |         |         |      | 1.8   | 10.3            |
| NW                | .6    | .3    | .6     | .6      |         |         |         |         |         |         |      | 2.1   | 7.1             |
| NNW               | .9    | 2.1   | 2.1    |         |         |         |         |         |         |         |      | 5.0   | 6.2             |
| VARBL             |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| CALM              |       |       |        |         |         |         |         |         |         |         |      | 5.9   |                 |
|                   | 18.0  | 41.3  | 23.9   | 8.0     | 2.4     | .6      |         |         |         |         |      | 100.0 | 5.9             |

TOTAL NUMBER OF OBSERVATIONS 339

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93214 STATION VANDENBERG AFB CA STATION NAME 00-70.73 YEARS FEB MONTH  
CLASS ALL WEATHER HOURS (L.S.T.) 0300-0500  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .3    | 3.5   | 2.9    | .3      |         |         |         |         |         |         |      | 7.1   | 6.6                   |
| NNE                     | .3    | 3.2   |        |         |         |         |         |         |         |         |      | 3.5   | 4.3                   |
| NE                      | 1.2   | 2.1   |        |         |         |         |         |         |         |         |      | 3.5   | 3.6                   |
| ENE                     | .3    | 2.1   |        |         |         |         |         |         |         |         |      | 2.4   | 4.1                   |
| E                       | 2.9   | 10.0  | .9     |         |         |         |         |         |         |         |      | 13.9  | 4.5                   |
| ESE                     | 3.5   | 12.4  | 7.1    | .6      |         |         |         |         |         |         |      | 23.6  | 5.6                   |
| SE                      | 1.2   | 5.3   | 3.2    | 4.7     | 1.2     | .3      |         |         |         |         |      | 16.2  | 9.1                   |
| SSE                     | .0    | 1.2   | 1.8    | 1.8     | .6      |         |         |         |         |         |      | 5.9   | 9.8                   |
| S                       | .3    | .9    | .3     | .3      |         |         |         |         |         |         |      | 1.8   | 0.2                   |
| SSW                     | .3    | .3    | .3     | .6      |         |         |         |         |         |         |      | 1.5   | 7.8                   |
| SW                      |       |       |        | .0      |         |         |         |         |         |         |      | .6    | 12.0                  |
| WSW                     | .3    | .6    | .6     | .3      |         |         |         |         |         |         |      | 1.8   | 7.5                   |
| W                       | .6    | 1.5   | .3     |         |         |         |         |         |         |         |      | 2.4   | 4.8                   |
| WNW                     | .6    | 2.1   | .3     |         |         |         |         |         |         |         |      | 2.9   | 4.7                   |
| NW                      | .0    | 2.4   |        | .3      |         |         |         |         |         |         |      | 3.2   | 4.9                   |
| NNW                     | .0    | 1.2   | 1.8    | .3      |         |         |         |         |         |         |      | 3.8   | 7.1                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 5.9   |                       |
|                         | 14.2  | 44.7  | 19.5   | 9.7     | 1.8     | .3      |         |         |         |         |      | 100.0 | 5.9                   |

TOTAL NUMBER OF OBSERVATIONS 339

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANUENBERG AFB CA STATION NAME 68-70, 73-79 YEARS FEB MONTH 0600-0800 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N                 | 1.4   | 2.8   | 2.9    | .2      |         |         |         |         |         |         |      | 8.6   | 6.1             |
| NNE               | 1.1   | 2.3   | 1.8    | 1.0     |         |         |         |         |         |         |      | 6.8   | 7.6             |
| NE                | 2.2   | 1.6   | .2     |         |         |         |         |         |         |         |      | 4.3   | 3.1             |
| ENE               | 1.4   | 1.4   |        |         |         |         |         |         |         |         |      | 2.9   | 3.5             |
| E                 | 3.0   | 10.6  | 1.3    |         |         |         |         |         |         |         |      | 14.9  | 4.8             |
| ESE               | 5.4   | 11.5  | 6.3    | .2      | .5      |         |         |         |         |         |      | 23.8  | 5.5             |
| SE                | 3.8   | 6.3   | 2.7    | 3.0     |         |         |         |         |         |         |      | 15.8  | 6.5             |
| SSE               | .2    | 1.3   | .5     | .2      | .4      |         |         |         |         |         |      | 2.9   | 7.4             |
| S                 | .4    | .4    | .5     | .5      | .5      |         |         |         |         |         |      | 2.3   | 10.6            |
| SSW               | .4    |       |        |         |         |         |         |         |         |         |      | .4    | 2.5             |
| SW                | .2    | .4    | .4     | .2      |         |         |         |         |         |         |      | 1.1   | 6.7             |
| WSW               | .2    |       | .2     | .4      |         |         |         |         |         |         |      | .7    | 9.5             |
| W                 | .2    | .4    | .4     |         |         |         |         |         |         |         |      | .9    | 5.6             |
| WNW               | .2    | .5    |        |         |         |         |         |         |         |         |      | .7    | 4.0             |
| NW                | .2    | 1.1   | .5     | .4      |         |         |         |         |         |         |      | 2.2   | 6.7             |
| NNW               |       | .9    | 2.2    | .4      |         |         |         |         |         |         |      | 3.4   | 7.5             |
| VARBL             |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| CALM              |       |       |        |         |         |         |         |         |         |         |      | 8.4   |                 |
|                   | 20.8  | 42.3  | 19.7   | 7.1     | 1.4     |         |         |         |         |         |      | 100.0 | 5.4             |

TOTAL NUMBER OF OBSERVATIONS 558

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 93214 STATION NAME VANDENBERG AFB CA YEARS 56-70, 73-79 MONTH NOV  
ALL WEATHER CLASS 0900-1100  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.4   | 3.6   | 4.0    | 3.5     |         |         |         |         |         |         |      | 17.5  | 7.9                   |
| NNE                     | 1.0   | 1.2   | 1.9    | 1.2     | .3      |         |         |         |         |         |      | 6.4   | 4.6                   |
| NE                      | .0    | .7    | .3     | .1      | .1      |         |         |         |         |         |      | 1.8   | 5.2                   |
| ENE                     | .8    | .6    |        |         |         |         |         |         |         |         |      | 1.4   | 3.2                   |
| E                       | 1.4   | 1.7   | .3     |         |         |         |         |         |         |         |      | 3.9   | 3.6                   |
| ESE                     | 2.9   | 5.8   | 1.8    | .0      |         |         |         |         |         |         |      | 11.1  | 5.0                   |
| SE                      | 1.4   | 4.6   | 3.9    | 3.6     | .4      | .1      |         |         |         |         |      | 14.0  | 6.5                   |
| SSE                     | 1.0   | 1.1   | 1.4    | 1.4     | .6      |         |         |         |         |         |      | 5.4   | 8.7                   |
| S                       | 1.2   | 1.1   | 1.8    | .6      | .1      | .3      |         |         |         |         |      | 5.4   | 7.7                   |
| SSW                     | .7    | .7    |        |         |         |         |         |         |         |         |      | 1.4   | 3.0                   |
| SW                      | .3    | 1.1   | .6     |         |         |         |         |         |         |         |      | 1.9   | 5.4                   |
| WSW                     | .0    | 1.4   | 1.0    | .1      |         |         |         |         |         |         |      | 3.1   | 6.0                   |
| W                       | 1.1   | 1.8   | 1.0    | .3      |         |         |         |         |         |         |      | 4.2   | 5.3                   |
| WNW                     | 1.4   | 1.4   | .7     | .3      | .1      |         |         |         |         |         |      | 3.9   | 5.4                   |
| NW                      | .7    | 1.9   | 2.5    | 1.0     | .1      |         |         |         |         |         |      | 6.2   | 7.5                   |
| NNW                     | .0    | 1.8   | 2.4    | 3.9     |         | .3      |         |         |         |         |      | 9.4   | 9.8                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 8.0   |                       |
|                         | 17.5  | 30.5  | 24.0   | 17.5    | 1.8     | .7      |         |         |         |         |      | 100.0 | 6.6                   |

TOTAL NUMBER OF OBSERVATIONS 721



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

43214 STATION 43214 VANDENBERG AFB CA 66-70, 73-79 YEARS FEB MONTH  
ALL WEATHER CLASS 1200-1400 HOURS (L.S.T.)  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .1    | .4    | 2.5    | 1.4     | .6      |         |         |         |         |         |      | 5.1   | 10.6                  |
| NNE                     | .1    |       | .1     | .7      | .1      |         |         |         |         |         |      | 1.1   | 12.4                  |
| NE                      |       | .1    | .1     | .1      |         |         |         |         |         |         |      | .6    | 11.0                  |
| ENE                     |       | .3    |        | .1      |         |         |         |         |         |         |      | .4    | 8.0                   |
| E                       | .1    | .1    |        | .1      |         |         |         |         |         |         |      | .4    | 6.7                   |
| ESE                     | .1    | .4    | .7     | .3      |         |         |         |         |         |         |      | 1.5   | 8.5                   |
| SE                      |       | .4    | 1.0    | 3.0     | .7      | .1      |         |         |         |         |      | 5.8   | 13.0                  |
| SSE                     | .3    | .1    | .8     | 2.2     | .6      | .1      |         |         |         |         |      | 4.1   | 12.6                  |
| S                       |       | .7    | 1.1    | 2.1     | .3      | .3      |         |         |         |         |      | 4.4   | 12.1                  |
| SSW                     | .1    | 1.0   | .6     | .1      |         |         |         |         |         |         |      | 1.8   | 6.5                   |
| SW                      |       | 1.7   | 2.2    | 1.1     |         |         |         |         |         |         |      | 4.8   | 8.4                   |
| WSW                     | .4    | 2.3   | 2.5    | .1      |         |         |         |         |         |         |      | 6.1   | 7.4                   |
| W                       | 1.2   | 7.2   | 5.0    | .7      |         |         |         |         |         |         |      | 14.4  | 6.1                   |
| WNW                     | .1    | 5.9   | 3.7    | 1.4     | .1      |         |         |         |         |         |      | 11.7  | 7.5                   |
| NW                      | .8    | 3.7   | 4.0    | 6.6     | 1.4     |         |         |         |         |         |      | 21.5  | 9.8                   |
| NNW                     | .4    | 1.8   | 3.5    | 6.2     | 1.5     | .4      |         |         |         |         |      | 13.8  | 11.5                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 2.3   |                       |
|                         | 4.4   | 26.2  | 32.7   | 28.6    | 5.2     | 1.1     |         |         |         |         |      | 100.0 | 9.2                   |

TOTAL NUMBER OF OBSERVATIONS 724

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93214 STATION VANDENBERG AFB CA 60-70, 73-79 YEARS FE MONTH 1500-1700  
CLASS ALL WEATHER  
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N                 |       | .7    | .8     | 1.7     |         |         |         |         |         |         |      | 3.2   | 10.4            |
| NNE               | .0    | .1    | .4     | .6      |         |         |         |         |         |         |      | 1.7   | 8.7             |
| NE                | .3    |       |        |         |         |         |         |         |         |         |      | .3    | 2.0             |
| ENE               | .3    |       |        |         |         |         |         |         |         |         |      | .3    | 2.5             |
| E                 |       | .3    | .1     | .4      |         |         |         |         |         |         |      | .8    | 9.3             |
| ESE               | .3    | .6    | .6     | .4      |         |         |         |         |         |         |      | 1.8   | 7.5             |
| SE                |       | .3    | 1.2    | 2.6     | .8      | .1      |         |         |         |         |      | 5.3   | 13.5            |
| SSE               | .1    | .3    | 1.1    | 2.4     |         |         |         |         |         |         |      | 4.4   | 11.2            |
| S                 | .3    | 1.0   | 1.1    | 1.1     |         |         |         |         |         |         |      | 3.5   | 9.0             |
| SSW               |       | .4    | 1.2    | .0      | .1      |         |         |         |         |         |      | 2.4   | 9.0             |
| SW                | .1    | .8    | 1.5    | .1      |         |         |         |         |         |         |      | 2.6   | 7.2             |
| WSW               | .7    | .7    | 1.0    | .1      |         |         |         |         |         |         |      | 2.5   | 6.2             |
| W                 | 1.8   | 4.7   | 2.4    | .3      |         |         |         |         |         |         |      | 9.2   | 5.6             |
| WNW               | 1.2   | 4.2   | 4.4    | 1.5     | .1      |         |         |         |         |         |      | 11.5  | 7.1             |
| NW                | 1.0   | 6.5   | 7.8    | 6.7     | 1.7     |         |         |         |         |         |      | 23.6  | 9.4             |
| NNW               | 1.5   | 4.4   | 6.5    | 11.7    | 2.2     | .1      |         |         |         |         |      | 26.5  | 10.8            |
| VARBL             |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| CALM              |       |       |        |         |         |         |         |         |         |         |      | .4    |                 |
|                   | 8.2   | 25.0  | 30.3   | 30.7    | 5.0     | .4      |         |         |         |         |      | 100.0 | 9.2             |

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA STATION NAME 68-70, 73-75 YEARS FEB MONTH 1800-2000 HOURS (LST)  
ALL WEATHER CLASS  
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N                 | 1.5   | 4.9   | 1.3    | .7      |         |         |         |         |         |         |      | 8.8   | 5.5             |
| NNE               | 1.3   | 1.1   | .9     | .9      | .2      |         |         |         |         |         |      | 4.5   | 7.3             |
| NE                | .7    | .7    | .4     |         |         |         |         |         |         |         |      | 1.8   | 4.5             |
| ENE               | .7    | .2    |        |         |         |         |         |         |         |         |      | .9    | 2.3             |
| E                 | 1.6   | 1.8   |        |         |         |         |         |         |         |         |      | 3.4   | 3.4             |
| ESE               | .7    | 1.3   | .2     | .2      |         |         |         |         |         |         |      | 2.5   | 5.1             |
| SE                | .7    | 3.4   | 3.4    | 3.4     | .4      |         |         |         |         |         |      | 11.7  | 9.1             |
| SSE               | .4    | 2.5   | 1.3    | 1.6     | .2      |         |         |         |         |         |      | 6.3   | 8.6             |
| S                 | 1.1   | 1.3   | .7     |         | .4      |         |         |         |         |         |      | 3.6   | 6.7             |
| SSW               | .2    | .7    |        |         |         |         |         |         |         |         |      | .9    | 4.5             |
| SW                | .4    | .7    | .2     | .2      |         |         |         |         |         |         |      | 1.6   | 5.3             |
| WSW               | .4    | .2    |        |         |         |         |         |         |         |         |      | .7    | 3.1             |
| W                 | 1.3   | 1.8   | .2     | .2      |         |         |         |         |         |         |      | 3.6   | 4.5             |
| WNW               | 1.6   | 1.8   | .2     |         |         |         |         |         |         |         |      | 3.6   | 3.7             |
| NW                | 2.5   | 3.1   | 3.4    | 2.1     |         |         |         |         |         |         |      | 11.0  | 6.6             |
| NNW               | 2.0   | 2.2   | 4.7    | 4.5     | .7      | .2      |         |         |         |         |      | 17.3  | 8.5             |
| VARBL             |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| CALM              |       |       |        |         |         |         |         |         |         |         |      | 18.0  |                 |
|                   | 17.5  | 30.8  | 17.1   | 14.4    | 2.0     | .2      |         |         |         |         |      | 100.0 | 5.7             |

TOTAL NUMBER OF OBSERVATIONS 445

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAF

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 42214 STATION NAME VANDENBERG AFB CA YEARS 66-70, 72-74 MONTHS NORTH 2100-2300 HOURS (LST)  
CLASS ALL of This  
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N                 | 1.0   | 4.1   | 2.5    | .0      |         |         |         |         |         |         |      | 9.1   | 5.0             |
| NNE               | .5    | 2.0   | .5     | 1.0     |         |         |         |         |         |         |      | 4.8   | 7.5             |
| NE                | 1.5   | 1.3   |        |         |         |         |         |         |         |         |      | 2.8   | 3.4             |
| ENE               | 1.5   | 1.0   |        |         |         |         |         |         |         |         |      | 2.5   | 3.0             |
| E                 | 4.1   | 8.1   | 1.0    |         |         |         |         |         |         |         |      | 13.2  | 4.0             |
| ESE               | 4.0   | 7.8   | 2.0    | .5      |         |         |         |         |         |         |      | 15.7  | 4.0             |
| SE                | 1.5   | 2.3   | 4.0    | 3.0     | .5      |         |         |         |         |         |      | 15.9  | 2.3             |
| SSE               | .5    | .8    | 1.3    | .5      | .5      |         |         |         |         |         |      | 3.0   | 7.9             |
| S                 | .5    | 1.3   | 2.3    | 1.0     |         | .5      |         |         |         |         |      | 5.3   | 2.2             |
| SSW               |       | .5    |        |         | .5      |         |         |         |         |         |      | .5    | 13.0            |
| SW                |       |       | .5     |         |         |         |         |         |         |         |      | .5    | 7.0             |
| WSW               |       |       | .5     |         |         |         |         |         |         |         |      | .5    | 7.0             |
| W                 | .5    | 1.0   | .8     |         |         |         |         |         |         |         |      | 2.0   | 6.1             |
| WNW               | .5    | .3    | .5     | .5      |         |         |         |         |         |         |      | 1.3   | 7.6             |
| NW                | .5    | 1.3   | .5     | .0      |         |         |         |         |         |         |      | 2.8   | 7.6             |
| NNW               | .5    | 4.1   | 3.5    | .0      |         |         |         |         |         |         |      | 8.9   | 7.2             |
| VARBL             |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| CALM              |       |       |        |         |         |         |         |         |         |         |      | 11.6  |                 |
|                   | 17.7  | 34.5  | 20.8   | 9.0     | 1.3     | .5      |         |         |         |         |      | 100.0 | 5.5             |

TOTAL NUMBER OF OBSERVATIONS 495

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

55-70, 73-79  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .4    | 2.7   | 2.5    | 1.3     | .1      |         |         |         |         |         |      | 7.5   | 7.4                   |
| NNE                     | .7    | 1.2   | 1.0    | 1.0     | .1      |         |         |         |         |         |      | 4.0   | 7.7                   |
| NE                      | .8    | .9    | .2     | .1      | .0      |         |         |         |         |         |      | 2.0   | 4.3                   |
| ENE                     | .6    | .8    | .0     | .0      |         |         |         |         |         |         |      | 1.7   | 3.6                   |
| E                       | 1.8   | 4.1   | .5     | .1      |         |         |         |         |         |         |      | 6.4   | 4.4                   |
| ESE                     | 2.3   | 5.6   | 2.7    | .4      | .1      |         |         |         |         |         |      | 11.1  | 5.5                   |
| SE                      | 1.3   | 3.4   | 2.8    | 3.5     | .6      | .1      |         |         |         |         |      | 11.7  | 8.9                   |
| SSE                     | .5    | .9    | 1.1    | 1.6     | .4      | .1      |         |         |         |         |      | 4.5   | 9.9                   |
| S                       | .5    | .9    | 1.1    | .2      | .2      | .1      |         |         |         |         |      | 3.9   | 9.0                   |
| SSW                     | .3    | .5    | .4     | .2      | .0      |         |         |         |         |         |      | 1.4   | 7.1                   |
| SW                      | .1    | .8    | .8     | .3      |         |         |         |         |         |         |      | 2.0   | 7.4                   |
| WSW                     | .4    | .9    | .8     | .3      |         |         |         |         |         |         |      | 2.4   | 6.8                   |
| W                       | 1.6   | 2.9   | 1.6    | .3      |         |         |         |         |         |         |      | 5.7   | 5.7                   |
| WNW                     | .7    | 2.4   | 1.7    | .7      | .1      |         |         |         |         |         |      | 5.6   | 6.8                   |
| NW                      | .6    | 2.9   | 3.8    | 2.6     | .5      |         |         |         |         |         |      | 10.9  | 8.8                   |
| NNW                     | .6    | 2.7   | 3.6    | 4.3     | .7      | .2      |         |         |         |         |      | 12.3  | 9.9                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 6.9   |                       |
|                         | 13.3  | 33.5  | 24.6   | 17.0    | 2.9     | .5      |         |         |         |         |      | 100.0 | 7.0                   |

TOTAL NUMBER OF OBSERVATIONS 4241

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

67-70, 73-74, 78  
YEARS

11A2  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 3.0   | 4.0   | 4.0    | 1.5     |         |         |         |         |         |         |      | 12.5  | 6.2                   |
| NNE                     | 3.0   | 3.2   | 1.1    |         |         |         |         |         |         |         |      | 7.2   | 4.3                   |
| NE                      | 3.4   | 1.9   |        |         |         |         |         |         |         |         |      | 5.3   | 3.0                   |
| ENE                     | 2.0   | 1.9   | .2     |         |         |         |         |         |         |         |      | 4.9   | 3.5                   |
| E                       | 5.1   | 4.5   | .2     |         |         |         |         |         |         |         |      | 9.8   | 3.4                   |
| ESE                     | 3.8   | 6.6   | 1.1    |         |         |         |         |         |         |         |      | 11.5  | 4.3                   |
| SE                      | 1.7   | 3.4   | .2     | .6      |         |         |         |         |         |         |      | 6.2   | 5.0                   |
| SSE                     | 1.5   | .8    |        | .2      |         |         |         |         |         |         |      | 2.5   | 4.2                   |
| S                       | .6    | .8    | .8     | .6      | .4      |         |         |         |         |         |      | 3.4   | 8.4                   |
| SSW                     | .4    | .2    | .6     | .4      |         |         |         |         |         |         |      | 1.7   | 7.4                   |
| SW                      | .4    |       | .2     | .2      |         |         |         |         |         |         |      | .8    | 5.8                   |
| WSW                     | .2    | .6    |        |         |         |         |         |         |         |         |      | .8    | 4.3                   |
| W                       | 1.1   | 1.3   | .2     |         |         |         |         |         |         |         |      | 2.5   | 3.9                   |
| WNW                     | .8    |       | .4     |         |         |         |         |         |         |         |      | 1.3   | 3.5                   |
| NW                      | .8    | 1.1   | 2.1    | .4      | .4      |         |         |         |         |         |      | 4.9   | 7.7                   |
| NNW                     | .6    | 1.5   | 4.7    | 3.0     | .6      |         |         |         |         |         |      | 10.4  | 9.4                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 14.2  |                       |
|                         | 29.5  | 31.8  | 15.9   | 7.0     | 1.5     |         |         |         |         |         |      | 100.0 | 4.6                   |

TOTAL NUMBER OF OBSERVATIONS 471

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA 51-70.73, 78 YEARS  
STATION NAME CLARE MONTH 0300-0500  
ALL WEATHER  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 2.1   | 3.6   | 5.7    |         |         |         |         |         |         |         |      | 11.4  | 5.0                   |
| NNE                     | 3.0   | 4.2   | .8     | .2      |         |         |         |         |         |         |      | 8.3   | 4.4                   |
| NE                      | 3.2   | 2.5   | .2     | .2      |         |         |         |         |         |         |      | 6.1   | 3.7                   |
| ENE                     | 1.5   | .6    |        |         |         |         |         |         |         |         |      | 2.1   | 2.7                   |
| E                       | 5.3   | 5.1   | .4     |         |         |         |         |         |         |         |      | 10.8  | 3.7                   |
| ESE                     | 3.2   | 11.9  | 1.9    |         |         |         |         |         |         |         |      | 16.9  | 4.8                   |
| SE                      | 2.3   | 3.4   | .2     | .2      |         |         |         |         |         |         |      | 6.1   | 4.0                   |
| SSE                     | .8    | 1.1   | .8     | .6      | .2      |         |         |         |         |         |      | 3.4   | 7.5                   |
| S                       | 1.5   | .4    | 1.1    |         |         |         |         |         |         |         |      | 3.0   | 4.6                   |
| SSW                     | .2    |       | .6     | .4      |         |         |         |         |         |         |      | 1.3   | 7.8                   |
| SW                      | .4    | .6    |        |         |         |         |         |         |         |         |      | 1.1   | 4.2                   |
| WSW                     |       | .4    |        |         |         |         |         |         |         |         |      | .4    | 4.5                   |
| W                       | .8    | .2    |        |         |         |         |         |         |         |         |      | 1.1   | 2.6                   |
| WNW                     | 1.1   | .6    | .2     | .4      |         |         |         |         |         |         |      | 2.3   | 5.5                   |
| NW                      | 1.1   | .8    | 2.1    | 1.1     | .2      |         |         |         |         |         |      | 5.3   | 7.7                   |
| NNW                     | .8    | 1.1   | 3.8    | 1.7     | .6      |         |         |         |         |         |      | 8.1   | 9.2                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 12.3  |                       |
|                         | 27.3  | 36.7  | 17.8   | 4.4     | 1.1     |         |         |         |         |         |      | 100.0 | 4.6                   |

TOTAL NUMBER OF OBSERVATIONS 472

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

57-70, 73-78  
YEARS

1.4h  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 2.7   | 4.8   | 3.1    | 1.8     |         |         |         |         |         |         |      | 12.4  | 6.5                   |
| NNE                     | 2.6   | 3.4   | 2.2    | .3      | .1      |         |         |         |         |         |      | 8.6   | 5.3                   |
| NE                      | 1.9   | 1.5   | .4     |         |         |         |         |         |         |         |      | 3.8   | 3.9                   |
| ENE                     | 1.2   | .7    |        |         |         |         |         |         |         |         |      | 1.9   | 3.1                   |
| E                       | 3.1   | 4.1   | .7     |         |         |         |         |         |         |         |      | 7.9   | 4.0                   |
| ESE                     | 4.6   | 8.4   | 3.7    |         |         |         |         |         |         |         |      | 16.8  | 4.9                   |
| SE                      | 3.8   | 5.3   | 2.2    | .5      |         | .1      |         |         |         |         |      | 12.0  | 5.2                   |
| SSE                     | .5    | 1.4   | .5     | .5      | .5      | .1      |         |         |         |         |      | 3.7   | 8.4                   |
| S                       | 1.1   | .4    | .5     | .4      |         |         |         |         |         |         |      | 2.5   | 6.3                   |
| SSW                     | .1    | .5    | .1     |         |         |         |         |         |         |         |      | .8    | 4.3                   |
| SW                      | .5    | .3    |        |         |         |         |         |         |         |         |      | .8    | 3.2                   |
| WSW                     | .1    |       |        |         |         |         |         |         |         |         |      | .1    | 2.0                   |
| W                       | .7    | .1    | .3     | .1      |         |         |         |         |         |         |      | 1.2   | 5.0                   |
| WNW                     | .1    | .7    | .5     | .1      |         |         |         |         |         |         |      | 1.5   | 6.7                   |
| NW                      | .1    | 1.2   | 1.8    | .7      |         | .1      |         |         |         |         |      | 4.0   | 8.7                   |
| NNW                     | .7    | 2.9   | 3.8    | 1.4     | .1      | .1      |         |         |         |         |      | 9.0   | 8.2                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 13.1  |                       |
|                         | 24.1  | 35.7  | 19.9   | 5.9     | .8      | .5      |         |         |         |         |      | 100.0 | 5.0                   |

TOTAL NUMBER OF OBSERVATIONS

734



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA 67-70, 73-78 YEARS MAC NORTH  
CLASS ALL WEATHER HOURS (L.S.T.) 0900-1100  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.3   | 2.8   | 4.3    | 2.4     | .5      | .1      |         |         |         |         |      | 11.8  | 4.5                   |
| NNE                     | .5    | 1.4   | 2.5    | .0      |         |         |         |         |         |         |      | 5.0   | 7.6                   |
| NE                      | .5    | .9    | .3     |         |         |         |         |         |         |         |      | 1.7   | 4.5                   |
| ENE                     | .2    | .2    | .3     |         |         |         |         |         |         |         |      | .8    | 5.9                   |
| E                       | 1.2   | 1.2   | .1     |         |         |         |         |         |         |         |      | 2.4   | 3.8                   |
| ESE                     | 1.4   | 2.0   | .8     | .2      |         |         |         |         |         |         |      | 4.4   | 5.2                   |
| SE                      | 1.6   | 2.5   | 2.1    | 1.6     | .5      |         |         |         |         |         |      | 8.5   | 8.0                   |
| SSE                     | .5    | .3    | .8     | 1.0     | .2      |         |         |         |         |         |      | 2.9   | 9.5                   |
| S                       | .8    | .7    | .3     | 1.3     | .1      |         |         |         |         |         |      | 3.2   | 9.3                   |
| SSW                     | 1.0   | .2    | .7     | .2      |         |         |         |         |         |         |      | 2.2   | 5.0                   |
| SW                      | 1.0   | 1.4   |        | .2      |         |         |         |         |         |         |      | 2.7   | 4.3                   |
| WSW                     | .9    | 2.0   | .7     |         |         |         |         |         |         |         |      | 3.6   | 4.8                   |
| W                       | 1.4   | 2.4   | 1.2    | .1      |         |         |         |         |         |         |      | 5.1   | 5.1                   |
| WNW                     | .7    | 3.2   | 2.7    | .2      |         |         |         |         |         |         |      | 6.8   | 6.3                   |
| NW                      | .8    | 4.2   | 5.1    | 4.7     | .3      |         |         |         |         |         |      | 15.1  | 8.8                   |
| NNW                     | 1.5   | 2.3   | 5.3    | 7.2     | .9      | .1      | .1      |         |         |         |      | 17.7  | 10.5                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 6.1   |                       |
|                         | 15.2  | 27.7  | 27.3   | 20.0    | 2.1     | .2      | .1      |         |         |         |      | 100.0 | 7.3                   |

TOTAL NUMBER OF OBSERVATIONS 866

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

67-70, 73-78  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .1    | .3    | .2     | .6      | .5      |         |         |         |         |         |      | 2.0   | 11.6                  |
| NNE                     |       | .2    |        | .1      |         |         |         |         |         |         |      | .3    | 6.7                   |
| NE                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| ENE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| E                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| ESE                     |       |       | .1     | .1      |         |         |         |         |         |         |      | .2    | 10.0                  |
| SE                      |       | .1    | 1.4    | 1.0     | .0      | .2      |         |         |         |         |      | 3.9   | 12.7                  |
| SSE                     |       | .1    | .3     | 2.2     | .5      |         |         |         |         |         |      | 3.1   | 13.7                  |
| S                       |       | .1    | .0     | .0      | .1      |         |         |         |         |         |      | 1.6   | 11.1                  |
| SSW                     | .1    | .1    | .3     | .7      | .2      |         |         |         |         |         |      | 1.5   | 11.7                  |
| SW                      | .2    | .6    | .9     | 1.2     | .2      |         |         |         |         |         |      | 3.1   | 10.0                  |
| WSW                     | .2    | 1.4   | 2.6    | .6      |         |         |         |         |         |         |      | 4.8   | 8.0                   |
| W                       | 1.0   | 5.5   | 5.6    | .7      |         |         |         |         |         |         |      | 12.9  | 6.6                   |
| WNW                     | .8    | 4.0   | 7.6    | 2.2     |         |         |         |         |         |         |      | 14.6  | 7.9                   |
| NW                      | .5    | 2.2   | 13.0   | 13.0    | 2.4     | .5      |         |         |         |         |      | 32.3  | 11.3                  |
| NNW                     | .2    | 1.0   | 4.0    | 8.7     | 3.5     | 1.2     | .1      |         |         |         |      | 18.8  | 13.7                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | .8    |                       |
|                         | 3.2   | 15.8  | 37.1   | 33.3    | 7.9     | 1.0     | .1      |         |         |         |      | 100.0 | 10.5                  |

TOTAL NUMBER OF OBSERVATIONS 869

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

STATION 93214 STATION NAME VANDENBERG AFB CA YEARS 57-70, 73-78 MONTH MAR  
CLASS ALL WEATHER HOURS (L.S.T.) 1500-1700  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .1    | .3    | .1     | .3      | .5      |         |         |         |         |         |      | 1.9   | 10.3                  |
| NNE                     | .3    | .1    |        |         | .1      |         |         |         |         |         |      | .6    | 6.0                   |
| NE                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| ENE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| E                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| ESE                     |       | .1    |        |         |         |         |         |         |         |         |      | .1    | 4.0                   |
| SE                      |       | .1    | 1.2    | 1.4     | .3      | .1      |         |         |         |         |      | 3.6   | 13.0                  |
| SSE                     | .2    |       | .7     | 1.7     | .3      |         |         |         |         |         |      | 2.4   | 11.7                  |
| S                       |       | .2    | .2     | 1.6     | .1      |         |         |         |         |         |      | 2.2   | 12.2                  |
| SSW                     |       | .2    | .1     | .0      |         |         |         |         |         |         |      | .9    | 10.1                  |
| SW                      | .2    | .5    | .8     | .2      |         |         |         |         |         |         |      | 1.7   | 7.1                   |
| WSW                     | .1    | 1.7   | 1.4    | .1      |         |         |         |         |         |         |      | 3.4   | 6.9                   |
| W                       | .0    | 3.9   | 3.0    | .5      |         |         |         |         |         |         |      | 8.2   | 6.5                   |
| WNW                     | 1.4   | 4.3   | 6.5    | 2.1     |         |         |         |         |         |         |      | 14.1  | 7.6                   |
| NW                      | .9    | 4.3   | 11.0   | 12.7    | 2.9     | .2      |         |         |         |         |      | 32.3  | 11.1                  |
| NNW                     | .8    | 1.9   | 4.7    | 13.1    | 6.1     | 1.5     |         |         |         |         |      | 28.1  | 13.7                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | .5    |                       |
|                         | 5.1   | 17.7  | 30.0   | 34.3    | 10.4    | 2.1     |         |         |         |         |      | 100.0 | 10.7                  |

TOTAL NUMBER OF OBSERVATIONS 604

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

57-70, 73-76, 78  
YEARS

YEAR  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 2.6   | 2.6   | 3.1    | 1.9     |         |         |         |         |         |         |      | 10.2  | 6.7                   |
| NNE                     | 1.6   | 1.0   | .3     |         |         |         |         |         |         |         |      | 2.9   | 3.7                   |
| NE                      | .7    |       |        |         |         |         |         |         |         |         |      | .7    | 2.3                   |
| ENE                     | .3    |       |        |         |         |         |         |         |         |         |      | .3    | 2.0                   |
| E                       | 1.0   |       |        |         |         |         |         |         |         |         |      | 1.0   | 2.7                   |
| ESE                     | .7    | 1.0   | .2     | .2      |         |         |         |         |         |         |      | 2.1   | 4.3                   |
| SE                      |       | .5    | .5     | .2      |         |         |         |         |         |         |      | 1.2   | 7.6                   |
| SSE                     |       | .3    | 1.4    | 1.4     |         |         |         |         |         |         |      | 3.1   | 10.5                  |
| S                       | .2    | .2    | .9     | .2      |         |         |         |         |         |         |      | 1.4   | 8.4                   |
| SSW                     | .2    | 1.6   | 1.0    | 1.2     |         |         |         |         |         |         |      | 4.0   | 9.1                   |
| SW                      | .2    | .3    | 1.0    |         |         |         |         |         |         |         |      | 1.6   | 6.8                   |
| WSW                     |       | .9    | .2     |         |         |         |         |         |         |         |      | 1.0   | 4.8                   |
| W                       | 2.1   | 1.2   | .3     |         |         |         |         |         |         |         |      | 3.6   | 3.7                   |
| WNW                     | .3    | 2.4   | 1.6    | .2      |         |         |         |         |         |         |      | 4.5   | 6.2                   |
| NW                      | 3.6   | 6.9   | 7.3    | 4.0     | 1.2     |         |         |         |         |         |      | 23.0  | 7.7                   |
| NNW                     | 1.2   | 6.7   | 10.7   | 8.8     | 1.6     | .7      |         |         |         |         |      | 29.8  | 9.7                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 9.5   |                       |
|                         | 14.7  | 25.8  | 28.5   | 18.2    | 2.8     | .7      |         |         |         |         |      | 100.0 | 7.0                   |

TOTAL NUMBER OF OBSERVATIONS

578

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA 67-70, 73-74, 78 YEARS 11A  
NORTH  
CLASS ALL WEATHER  
HOURS (L.S.T.) 2100-2300  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 2.0   | 2.0   | 5.0    | 1.7     | .4      |         |         |         |         |         |      | 14.8  | 6.6                   |
| NNE                     | 2.4   | 1.7   | .9     |         |         |         |         |         |         |         |      | 5.0   | 4.1                   |
| NE                      | 2.2   | .2    |        |         |         |         |         |         |         |         |      | 2.4   | 2.7                   |
| ENE                     | 1.4   | .4    |        |         |         |         |         |         |         |         |      | 2.2   | 2.3                   |
| E                       | 4.4   | 3.2   | .2     |         |         |         |         |         |         |         |      | 8.2   | 3.3                   |
| ESE                     | 1.0   | 6.2   |        |         |         |         |         |         |         |         |      | 9.2   | 4.0                   |
| SE                      | 1.1   | 1.2   | .4     |         |         |         |         |         |         |         |      | 4.1   | 3.8                   |
| SSE                     | .7    | .6    |        | .4      |         |         |         |         |         |         |      | 2.2   | 7.8                   |
| S                       | .2    | .9    | 1.3    | .0      |         |         |         |         |         |         |      | 3.0   | 7.8                   |
| SSW                     | .2    | .6    | .4     | .7      |         |         |         |         |         |         |      | 1.9   | 8.5                   |
| SW                      | .2    | .9    |        |         |         |         |         |         |         |         |      | 1.1   | 4.7                   |
| WSW                     | .2    | .4    |        |         |         |         |         |         |         |         |      | .6    | 3.3                   |
| W                       | .0    | .6    | .2     |         |         |         |         |         |         |         |      | 1.3   | 4.3                   |
| WNW                     | .1    | .7    | .4     |         |         |         |         |         |         |         |      | 1.9   | 4.2                   |
| NW                      | 1.7   | 3.2   | 4.7    | 1.5     | .7      |         |         |         |         |         |      | 11.8  | 7.9                   |
| NNW                     | 1.2   | 3.2   | 6.2    | 2.8     | .9      | .2      |         |         |         |         |      | 15.1  | 8.7                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 15.1  |                       |
|                         | 24.4  | 29.5  | 20.0   | 8.2     | 2.1     | .2      |         |         |         |         |      | 100.0 | 5.1                   |

TOTAL NUMBER OF OBSERVATIONS 535

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/44C

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93214 STATION VANDENBERG AFB CA STATION NAME 67-70, 73-78 YEARS  
ALL WEATHER CLASS ALL HOURS (L.S.T.)  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.0   | 2.7   | 2.9    | 1.4     | .3      | .0      |         |         |         |         |      | 3.9   | 7.2                   |
| NNE                     | 1.4   | 1.7   | 1.0    | .2      | .0      |         |         |         |         |         |      | 4.3   | 5.2                   |
| NE                      | 1.2   | .8    | .1     | .0      |         |         |         |         |         |         |      | 2.1   | 3.5                   |
| ENE                     | .8    | .4    | .1     |         |         |         |         |         |         |         |      | 1.3   | 3.3                   |
| E                       | 2.1   | 1.9   | .2     |         |         |         |         |         |         |         |      | 4.2   | 3.6                   |
| ESE                     | 1.8   | 3.8   | .9     | .1      |         |         |         |         |         |         |      | 6.7   | 4.7                   |
| SE                      | 1.3   | 2.0   | 1.2    | 1.0     | .1      | .1      |         |         |         |         |      | 5.8   | 7.3                   |
| SSE                     | .5    | .5    | .0     | 1.1     | .3      | .0      |         |         |         |         |      | 2.2   | 2.1                   |
| S                       | .5    | .4    | .6     | .0      | .1      |         |         |         |         |         |      | 2.5   | 2.4                   |
| SSW                     | .3    | .4    | .5     | .5      | .0      |         |         |         |         |         |      | 1.7   | 2.0                   |
| SW                      | .4    | .6    | .4     | .3      | .0      |         |         |         |         |         |      | 1.8   | 6.6                   |
| WSW                     | .3    | 1.0   | .8     | .1      |         |         |         |         |         |         |      | 2.2   | 6.3                   |
| W                       | 1.1   | 2.2   | 1.7    | .2      |         |         |         |         |         |         |      | 5.2   | 5.8                   |
| WNW                     | .7    | 2.3   | 3.0    | .3      |         |         |         |         |         |         |      | 6.9   | 7.2                   |
| NW                      | 1.1   | 3.1   | 6.5    | 5.6     | 1.2     | .2      |         |         |         |         |      | 17.9  | 9.9                   |
| NNW                     | .4    | 2.5   | 5.3    | 6.5     | 2.1     | .6      | .0      |         |         |         |      | 17.9  | 11.3                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 7.8   |                       |
|                         | 16.1  | 26.4  | 25.9   | 18.7    | 4.1     | .9      | .0      |         |         |         |      | 100.0 | 7.3                   |

TOTAL NUMBER OF OBSERVATIONS 5389

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93214 STATION VANDENBERG AFB CA 07-70,73 YEARS  
APX NORTH  
0000-0200 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.2   | 4.2   | 4.0    | 1.1     |         |         |         |         |         |         |      | 12.9  | 6.0                   |
| NNE                     | 2.0   | .9    | .7     |         |         |         |         |         |         |         |      | 3.6   | 3.6                   |
| NE                      | 1.0   | .9    |        |         |         |         |         |         |         |         |      | 2.7   | 2.9                   |
| ENE                     | .7    | .2    | .7     |         |         |         |         |         |         |         |      | 1.6   | 5.0                   |
| E                       | 3.0   | 1.8   | .2     |         |         |         |         |         |         |         |      | 5.8   | 3.3                   |
| ESE                     | 4.4   | 4.9   | .9     | .2      |         |         |         |         |         |         |      | 10.4  | 4.1                   |
| SE                      | 1.6   | 2.0   | .7     |         |         |         |         |         |         |         |      | 4.2   | 4.4                   |
| SSE                     | 1.1   | .4    |        |         |         |         |         |         |         |         |      | 1.6   | 2.9                   |
| S                       |       | .7    |        |         |         |         |         |         |         |         |      | .7    | 5.3                   |
| SSW                     | .4    | .7    |        |         |         |         |         |         |         |         |      | 1.1   | 4.6                   |
| SW                      |       | .2    |        |         |         |         |         |         |         |         |      | .2    | 6.0                   |
| WSW                     | .7    | .4    | .2     |         |         |         |         |         |         |         |      | 1.3   | 3.7                   |
| W                       | .9    | .7    |        |         |         |         |         |         |         |         |      | 1.6   | 3.4                   |
| WNW                     | 1.1   | .2    | .2     |         |         |         |         |         |         |         |      | 1.8   | 3.0                   |
| NW                      | 1.3   | 2.0   | 2.9    | 2.1     |         |         |         |         |         |         |      | 8.9   | 7.9                   |
| NNW                     | 4.4   | 4.9   | 9.1    | 4.2     | .2      |         |         |         |         |         |      | 22.9  | 7.5                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 18.9  |                       |
|                         | 27.8  | 25.1  | 19.6   | 8.4     | .2      |         |         |         |         |         |      | 100.0 | 4.6                   |

TOTAL NUMBER OF OBSERVATIONS 450

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA 67-70,73 YEARS APR NORTH  
0300-0500 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N                 | 3.0   | 4.9   | 4.9    | 1.0     | .2      |         |         |         |         |         |      | 15.3  | 6.4             |
| NNE               | 1.0   | 3.8   | .2     |         |         |         |         |         |         |         |      | 5.8   | 3.9             |
| NE                | 1.0   | .7    |        |         |         |         |         |         |         |         |      | 2.2   | 3.0             |
| ENE               | .4    | .7    |        |         |         |         |         |         |         |         |      | 1.1   | 3.2             |
| E                 | 2.9   | 4.0   |        |         |         |         |         |         |         |         |      | 6.9   | 3.5             |
| ESE               | 4.9   | 6.7   | 1.0    | .2      |         |         |         |         |         |         |      | 13.3  | 4.4             |
| SE                | 2.4   | 3.6   | .9     | .2      |         |         |         |         |         |         |      | 7.1   | 4.5             |
| SSE               | 1.3   | .4    | .2     |         |         |         |         |         |         |         |      | 2.0   | 3.4             |
| S                 | 1.5   | .2    |        |         |         |         |         |         |         |         |      | 1.8   | 2.8             |
| SSW               |       |       | .2     |         |         |         |         |         |         |         |      | .2    | 7.0             |
| SW                | .2    | .2    |        |         |         |         |         |         |         |         |      | .4    | 4.5             |
| WSW               |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| W                 | .2    |       |        |         |         |         |         |         |         |         |      | .2    | 1.0             |
| WNW               | 1.1   | .9    | .4     |         |         |         |         |         |         |         |      | 2.4   | 4.0             |
| NW                | 2.4   | 3.6   | 1.8    | .9      |         |         |         |         |         |         |      | 8.7   | 5.6             |
| NNW               | 3.0   | 4.0   | 4.4    | 3.3     | .2      |         |         |         |         |         |      | 15.8  | 7.2             |
| VARBL             |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| CALM              |       |       |        |         |         |         |         |         |         |         |      | 16.7  |                 |
|                   | 28.2  | 33.6  | 14.7   | 6.4     | .4      |         |         |         |         |         |      | 100.0 | 4.3             |

TOTAL NUMBER OF OBSERVATIONS 450



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

57-70, 73-78  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 3.0   | 0.1   | 4.0    | 2.1     | .3      |         |         |         |         |         |      | 15.4  | 6.6                   |
| NNE                     | 2.1   | 2.1   | .0     | .3      |         |         |         |         |         |         |      | 5.1   | 4.5                   |
| NE                      | 1.0   | 1.0   | .3     |         |         |         |         |         |         |         |      | 2.8   | 3.6                   |
| ENE                     | 1.0   | .7    |        |         |         |         |         |         |         |         |      | 2.3   | 2.9                   |
| E                       | 2.3   | 2.7   | .3     |         |         |         |         |         |         |         |      | 5.2   | 3.0                   |
| ESE                     | 2.7   | 4.4   | 2.0    |         |         |         |         |         |         |         |      | 9.1   | 4.9                   |
| SE                      | 3.0   | 3.4   | 2.0    | .4      | .1      |         |         |         |         |         |      | 8.9   | 5.3                   |
| SSE                     | 1.0   | .4    | .3     | .3      |         |         |         |         |         |         |      | 2.5   | 4.4                   |
| S                       | .8    | .6    | .4     |         |         |         |         |         |         |         |      | 1.8   | 4.1                   |
| SSW                     | .6    | .1    |        |         |         |         |         |         |         |         |      | .7    | 3.0                   |
| SW                      | .3    | .3    |        |         |         |         |         |         |         |         |      | .6    | 3.3                   |
| WSW                     | .4    | .3    |        |         |         |         |         |         |         |         |      | .7    | 3.0                   |
| W                       | 1.0   | .1    |        |         |         |         |         |         |         |         |      | 1.1   | 2.8                   |
| WNW                     | .7    | .8    | .3     | .1      |         |         |         |         |         |         |      | 2.0   | 4.9                   |
| NW                      | 2.3   | 2.4   | 2.1    | .6      |         |         |         |         |         |         |      | 7.6   | 6.0                   |
| NNW                     | 2.0   | 3.1   | 7.8    | 3.8     | .3      |         |         |         |         |         |      | 17.0  | 8.2                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 17.0  |                       |
|                         | 25.8  | 28.6  | 20.0   | 7.9     | .7      |         |         |         |         |         |      | 100.0 | 6.8                   |

TOTAL NUMBER OF OBSERVATIONS

706

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

57-70, 73-78  
YEARS

4P15  
MONTH

ALL WFTHE  
CLASS

0900-1100  
HOURS (LST)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.0   | .8    | 1.7    | 1.5     | .2      |         |         |         |         |         |      | 5.2   | 8.9                   |
| NNE                     | .6    | .8    | .0     | .4      |         |         |         |         |         |         |      | 2.4   | 5.8                   |
| NE                      | .2    | .1    | .1     |         |         |         |         |         |         |         |      | .5    | 4.5                   |
| ENE                     | .1    | .4    |        |         |         |         |         |         |         |         |      | .5    | 3.8                   |
| E                       | .2    | .4    | .1     |         |         |         |         |         |         |         |      | .7    | 4.0                   |
| ESE                     |       | .6    | .6     |         |         |         |         |         |         |         |      | 1.2   | 6.9                   |
| SE                      | .7    | 1.6   | .6     | .7      |         | .1      |         |         |         |         |      | 4.0   | 7.5                   |
| SSE                     | .1    | .6    | .2     |         |         |         |         |         |         |         |      | 1.2   | 6.1                   |
| S                       | .6    | .5    | .2     | .2      |         |         |         |         |         |         |      | 1.6   | 5.4                   |
| SSW                     | .2    | .5    | .2     |         |         |         |         |         |         |         |      | 1.0   | 4.8                   |
| SW                      | .7    | 1.3   | 1.2    | .2      |         |         |         |         |         |         |      | 3.5   | 5.9                   |
| WSW                     | 1.0   | 2.4   | 1.1    | .1      |         |         |         |         |         |         |      | 4.6   | 5.5                   |
| W                       | 1.6   | 5.0   | 2.9    |         |         |         |         |         |         |         |      | 9.5   | 5.5                   |
| WNW                     | 1.3   | 4.8   | 3.3    | .7      |         |         |         |         |         |         |      | 10.2  | 6.2                   |
| NW                      | 1.6   | 4.2   | 11.8   | 8.4     | 1.5     |         |         |         |         |         |      | 27.4  | 9.6                   |
| NNW                     | .6    | 2.3   | 8.2    | 7.4     | 1.8     | .1      |         |         |         |         |      | 20.5  | 10.7                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 6.1   |                       |
|                         | 10.7  | 26.4  | 33.5   | 19.6    | 3.5     | .2      |         |         |         |         |      | 100.0 | 7.7                   |

TOTAL NUMBER OF OBSERVATIONS

825

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 94214 STATION NAME VANDERBILT AFB GA YEARS 67-70, 73-78 MONTH APR  
CLASS ALL WEATHER HOURS (LST) 1200-1400  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .2    | .1     | .7      | .1      |         |         |         |         |         |      | 1.2   | 11.4                  |
| NNE                     | .1    |       |        |         |         |         |         |         |         |         |      | .1    | 3.0                   |
| NE                      |       | .1    |        |         |         |         |         |         |         |         |      | .1    | 5.0                   |
| ENE                     |       | .1    |        |         |         |         |         |         |         |         |      | .1    | 4.0                   |
| E                       | .2    |       |        |         |         |         |         |         |         |         |      | .2    | 2.5                   |
| ESE                     | .1    |       | .1     | .1      |         |         |         |         |         |         |      | .4    | 7.7                   |
| SE                      | .1    | .2    | .2     | .1      | .1      |         |         |         |         |         |      | .4    | 8.9                   |
| SSE                     |       |       | .4     | .1      |         |         |         |         |         |         |      | .5    | 3.3                   |
| S                       | .1    | .1    | .4     | .1      | .1      |         |         |         |         |         |      | .8    | 9.1                   |
| SSW                     | .1    |       | .4     | .1      |         |         |         |         |         |         |      | .6    | 8.0                   |
| SW                      | .1    | .1    | .0     | .7      |         |         |         |         |         |         |      | 1.8   | 9.4                   |
| WSW                     | .1    | .7    | 4.4    | .0      |         |         |         |         |         |         |      | 5.8   | 8.0                   |
| W                       | .5    | 4.2   | 7.0    | .0      |         |         |         |         |         |         |      | 12.4  | 7.3                   |
| WNW                     | .5    | 5.0   | 9.2    | 3.6     | .4      |         |         |         |         |         |      | 19.3  | 8.4                   |
| NW                      | .5    | 5.1   | 13.2   | 15.5    | 2.3     | 1.1     |         |         |         |         |      | 37.7  | 11.1                  |
| NNW                     |       | .6    | 3.8    | 7.5     | 3.6     | 1.7     |         |         |         |         |      | 17.2  | 14.5                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | .8    |                       |
|                         | 2.5   | 17.2  | 40.0   | 29.9    | 6.7     | 2.4     |         |         |         |         |      | 100.0 | 10.3                  |

TOTAL NUMBER OF OBSERVATIONS 825

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

17-70, 73-78  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .6    | .4     | 1.1     | .2      |         |         |         |         |         |      | 2.3   | 10.8                  |
| NNE                     | .1    |       |        |         |         | .1      |         |         |         |         |      | .2    | 11.5                  |
| NE                      | .1    |       |        |         |         |         |         |         |         |         |      | .1    | 3.0                   |
| ENE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| E                       | .1    |       |        |         |         |         |         |         |         |         |      | .1    | 2.0                   |
| ESE                     | .1    |       |        |         |         |         |         |         |         |         |      | .1    | 2.0                   |
| SE                      |       | .2    | .5     |         |         |         |         |         |         |         |      | .7    | 6.8                   |
| SSE                     |       |       | .4     |         |         |         |         |         |         |         |      | .4    | 10.0                  |
| S                       |       | .1    | .2     | .1      |         |         |         |         |         |         |      | .5    | 8.5                   |
| SSW                     |       |       | 1.1    | .4      |         |         |         |         |         |         |      | 1.5   | 7.3                   |
| SW                      |       | .2    | 1.8    | .6      |         |         |         |         |         |         |      | 2.7   | 9.1                   |
| WSW                     | .1    | 1.4   | 1.4    | .2      | .1      |         |         |         |         |         |      | 3.2   | 7.5                   |
| W                       | .5    | 3.9   | 3.1    | .5      |         |         |         |         |         |         |      | 8.0   | 6.4                   |
| WNW                     | .5    | 4.6   | 6.5    | 2.5     | .1      |         |         |         |         |         |      | 14.1  | 7.9                   |
| NW                      | .7    | 5.2   | 14.4   | 14.0    | 2.6     | 1.6     | .4      |         |         |         |      | 38.4  | 11.1                  |
| NNW                     | .6    | 1.8   | 6.2    | 11.1    | 5.5     | 1.5     | .1      |         |         |         |      | 26.8  | 13.5                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | .7    |                       |
|                         | 3.1   | 18.1  | 35.4   | 30.5    | 8.0     | 2.6     | .5      |         |         |         |      | 100.0 | 10.5                  |

TOTAL NUMBER OF OBSERVATIONS 813

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA 67-70, 73-75, 78 YEARS AP NORTH  
CLASS ALL WEATHER  
CONDITION  
1800-2000 HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N                 | 1.0   | 2.4   | 2.7    | 2.4     |         |         |         |         |         |         |      | 9.3   | 7.5             |
| NNE               | .7    | .4    |        |         |         |         |         |         |         |         |      | 1.1   | 2.7             |
| NE                | .2    |       |        |         |         |         |         |         |         |         |      | .2    | 2.0             |
| ENE               |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| E                 | .4    | .4    |        |         |         |         |         |         |         |         |      | .7    | 3.3             |
| ESE               | .4    | .2    |        |         |         |         |         |         |         |         |      | .5    | 2.7             |
| SE                | .2    | .7    |        |         |         |         |         |         |         |         |      | .9    | 4.6             |
| SSE               | .4    | .2    | .2     | .2      |         |         |         |         |         |         |      | .9    | 6.2             |
| S                 |       | .4    | .5     | .2      |         |         |         |         |         |         |      | 1.1   | 8.3             |
| SSW               |       | .5    | .5     | .5      |         |         |         |         |         |         |      | 1.6   | 8.8             |
| SW                |       | .7    | .4     |         |         |         |         |         |         |         |      | 1.1   | 6.2             |
| WSW               | .5    | .2    | .4     |         |         |         |         |         |         |         |      | 1.1   | 5.2             |
| W                 | 1.3   | .9    | 1.3    | .2      |         |         |         |         |         |         |      | 3.7   | 5.1             |
| WNW               | 2.0   | 2.2   | 1.6    | .5      |         |         |         |         |         |         |      | 6.4   | 5.5             |
| NW                | 3.3   | 5.3   | 10.6   | 5.5     | .4      |         |         |         |         |         |      | 25.1  | 5.1             |
| NNW               | 3.5   | 7.3   | 10.4   | 13.2    | 2.6     | .7      |         |         |         |         |      | 37.7  | 10.0            |
| VARBL             |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| CALM              |       |       |        |         |         |         |         |         |         |         |      | 8.4   |                 |
|                   | 14.7  | 21.8  | 28.8   | 22.7    | 2.9     | .7      |         |         |         |         |      | 100.0 | 7.6             |

TOTAL NUMBER OF OBSERVATIONS 546

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

67-70, 73-74, 78  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.9   | 1.9   | 3.9    | 1.0     | .2      |         |         |         |         |         |      | 9.7   | 7.5                   |
| NNE                     | 2.5   | 1.0   | 1.0    |         |         |         |         |         |         |         |      | 4.5   | 3.8                   |
| NE                      | 1.2   | .2    | .2     |         |         |         |         |         |         |         |      | 1.6   | 3.1                   |
| ENE                     | 1.0   | .4    |        |         |         |         |         |         |         |         |      | 1.9   | 2.4                   |
| E                       | 2.7   | 1.8   |        |         |         |         |         |         |         |         |      | 4.5   | 3.1                   |
| ESE                     | .8    | 2.5   | .4     | .2      |         |         |         |         |         |         |      | 3.9   | 4.7                   |
| SE                      | .4    | 1.6   |        | .2      |         |         |         |         |         |         |      | 2.1   | 4.7                   |
| SSE                     | 1.0   | .4    | .2     |         |         |         |         |         |         |         |      | 1.6   | 4.0                   |
| S                       | .4    | .6    | .4     |         |         |         |         |         |         |         |      | 1.4   | 5.0                   |
| SSW                     | .8    | .2    | .2     |         |         |         |         |         |         |         |      | 1.2   | 3.7                   |
| SW                      | .6    | .2    |        |         |         |         |         |         |         |         |      | .8    | 3.5                   |
| WSW                     | .2    |       | .2     |         |         |         |         |         |         |         |      | .4    | 5.0                   |
| W                       | .4    | .2    | .2     | .2      |         |         |         |         |         |         |      | 1.0   | 5.8                   |
| WNW                     | 1.0   | .8    | 1.2    | .2      |         |         |         |         |         |         |      | 3.9   | 5.4                   |
| NW                      | 3.5   | 3.3   | 4.7    | 1.2     |         |         |         |         |         |         |      | 12.7  | 6.4                   |
| NNW                     | 3.1   | 7.8   | 13.1   | 4.7     | .8      | .4      |         |         |         |         |      | 29.8  | 8.2                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 19.1  |                       |
|                         | 22.8  | 22.8  | 25.5   | 8.4     | 1.0     | .4      |         |         |         |         |      | 100.0 | 5.2                   |

TOTAL NUMBER OF OBSERVATIONS 514

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 93214 STATION NAME VANDENBERG AFB CA YEARS 57-70, 73-78 MONTH APR  
CLASS ALL WEATHER  
CONDITION \_\_\_\_\_  
HOURS (L.S.T.) ALL

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N                 | 1.6   | 2.4   | 2.4    | 1.5     | .2      |         |         |         |         |         |      | 8.0   | 7.3             |
| NNE               | 1.1   | 1.0   | .4     | .1      |         | .0      |         |         |         |         |      | 2.5   | 4.5             |
| NE                | .7    | .3    | .1     |         |         |         |         |         |         |         |      | 1.1   | 3.4             |
| ENE               | .5    | .3    | .1     |         |         |         |         |         |         |         |      | .8    | 3.3             |
| E                 | 1.3   | 1.2   | .1     |         |         |         |         |         |         |         |      | 2.5   | 3.5             |
| ESE               | 1.3   | 2.0   | .6     | .1      |         |         |         |         |         |         |      | 4.1   | 4.6             |
| SE                | 1.0   | 1.5   | .7     | .2      | .0      | .0      |         |         |         |         |      | 3.4   | 5.6             |
| SSE               | .6    | .3    | .3     | .1      |         |         |         |         |         |         |      | 1.2   | 5.0             |
| S                 | .4    | .4    | .3     | .1      | .0      |         |         |         |         |         |      | 1.2   | 5.5             |
| SSW               | .3    | .2    | .4     | .1      |         |         |         |         |         |         |      | 1.0   | 6.6             |
| SW                | .3    | .4    | .7     | .3      |         |         |         |         |         |         |      | 1.6   | 7.1             |
| WSW               | .4    | .8    | 1.2    | .2      | .0      |         |         |         |         |         |      | 2.6   | 6.6             |
| W                 | .8    | 2.3   | 2.2    | .2      |         |         |         |         |         |         |      | 5.6   | 6.2             |
| WNW               | 1.1   | 2.9   | 3.4    | 1.2     | .1      |         |         |         |         |         |      | 8.7   | 7.2             |
| NW                | 1.8   | 4.0   | 8.6    | 7.2     | 1.1     | .3      | .1      |         |         |         |      | 23.1  | 9.7             |
| NNW               | 1.9   | 3.5   | 7.6    | 7.2     | 2.2     | .6      | .0      |         |         |         |      | 23.0  | 10.5            |
| VARBL             |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| CALM              |       |       |        |         |         |         |         |         |         |         |      | 9.5   |                 |
|                   | 14.9  | 23.6  | 28.9   | 18.5    | 3.6     | 1.0     | .1      |         |         |         |      | 100.0 | 7.3             |

TOTAL NUMBER OF OBSERVATIONS 3128

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

03214  
STATION

VANDENBERG AFB CA  
STATION NAME

67-70, 73-74  
YEARS

DAY  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 3.9   | 5.4   | 2.1    | 1.5     |         |         |         |         |         |         |      | 12.9  | 5.6                   |
| NNE                     | 1.9   | .4    | .6     |         |         |         |         |         |         |         |      | 3.0   | 3.6                   |
| NE                      | 1.3   | 1.1   |        |         |         |         |         |         |         |         |      | 2.4   | 3.0                   |
| ENE                     | 1.7   | .2    |        |         |         |         |         |         |         |         |      | 1.9   | 2.4                   |
| E                       | 3.4   | 1.3   |        |         |         |         |         |         |         |         |      | 4.7   | 2.8                   |
| ESE                     | 2.1   | 2.1   | .6     |         |         |         |         |         |         |         |      | 4.9   | 4.0                   |
| SE                      | .6    | .6    |        |         |         |         |         |         |         |         |      | 1.3   | 3.8                   |
| SSE                     | 1.1   | .2    |        |         |         |         |         |         |         |         |      | 1.3   | 2.8                   |
| S                       | .9    | .6    |        |         |         |         |         |         |         |         |      | 1.5   | 3.3                   |
| SSW                     | .2    |       |        |         |         |         |         |         |         |         |      | .2    | 3.0                   |
| SW                      | .6    | .2    |        |         |         |         |         |         |         |         |      | .9    | 2.8                   |
| WSW                     | 1.1   | .2    |        |         |         |         |         |         |         |         |      | 1.3   | 3.0                   |
| W                       | 1.1   | .4    |        |         |         |         |         |         |         |         |      | 1.5   | 2.9                   |
| WNW                     | 1.5   | 2.4   | .9     | .2      |         |         |         |         |         |         |      | 4.9   | 5.1                   |
| NW                      | 1.9   | 6.2   | 4.3    | 1.5     |         |         |         |         |         |         |      | 13.9  | 6.4                   |
| NNW                     | 3.4   | 6.9   | 12.7   | 1.9     |         |         |         |         |         |         |      | 25.3  | 6.8                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 18.0  |                       |
|                         | 27.3  | 28.3  | 21.2   | 5.2     |         |         |         |         |         |         |      | 100.0 | 4.4                   |

TOTAL NUMBER OF OBSERVATIONS

466



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 93214 VANDENBERG AFB CA STATION NAME 67-70, 72-74 YEARS MAY  
NORTH  
CLASS ALL WEATHER  
HOURS (L.S.T.) 0300-0500

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 4.5   | 6.2   | 4.3    | .9      |         |         |         |         |         |         |      | 15.9  | 5.7                   |
| NNE                     | 2.1   | 1.1   | .2     |         |         |         |         |         |         |         |      | 3.4   | 3.3                   |
| NE                      | .4    | 1.3   | .4     |         |         |         |         |         |         |         |      | 2.6   | 4.1                   |
| ENE                     | .4    | .2    |        |         |         |         |         |         |         |         |      | .6    | 3.0                   |
| E                       | 3.9   | 3.0   |        |         |         |         |         |         |         |         |      | 6.9   | 3.2                   |
| ESE                     | 3.2   | 1.5   | .4     |         |         |         |         |         |         |         |      | 5.2   | 3.5                   |
| SE                      | 3.4   | 1.3   |        |         |         |         |         |         |         |         |      | 4.7   | 3.0                   |
| SSE                     | .4    | .6    |        |         |         |         |         |         |         |         |      | 1.1   | 4.0                   |
| S                       | .6    | .2    |        |         |         |         |         |         |         |         |      | .9    | 3.0                   |
| SSW                     | .6    |       |        |         |         |         |         |         |         |         |      | .6    | 2.3                   |
| SW                      | .6    | .2    |        |         |         |         |         |         |         |         |      | .9    | 2.8                   |
| WSW                     | .9    | 1.1   |        |         |         |         |         |         |         |         |      | 1.9   | 3.3                   |
| W                       | 1.5   | 1.1   |        |         |         |         |         |         |         |         |      | 2.6   | 3.0                   |
| WNW                     | 1.3   | 1.3   | 1.3    |         |         |         |         |         |         |         |      | 3.9   | 4.9                   |
| NW                      | 1.5   | 3.9   | 3.9    | 1.5     |         |         |         |         |         |         |      | 10.7  | 6.5                   |
| NNW                     | 3.0   | 5.4   | 8.8    | 1.5     |         |         |         |         |         |         |      | 18.7  | 6.8                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 19.5  |                       |
|                         | 29.0  | 28.3  | 19.3   | 3.4     |         |         |         |         |         |         |      | 100.0 | 4.1                   |

TOTAL NUMBER OF OBSERVATIONS 466

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENREPG AFB CA 67-70, 73-78 YEARS MAY MONTH  
CLASS ALL WEATHER 0600-0800 HOURS (L.S.T.)  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 4.4   | 3.1   | 2.6    | .6      |         |         |         |         |         |         |      | 10.8  | 5.2                   |
| NNE                     | 1.9   | .6    | .1     | .1      |         |         |         |         |         |         |      | 2.8   | 3.5                   |
| NE                      | 1.0   | .8    | .4     |         |         |         |         |         |         |         |      | 2.2   | 4.5                   |
| ENE                     | .5    | .1    |        |         |         |         |         |         |         |         |      | .6    | 2.4                   |
| E                       | 1.7   | .9    | .1     |         |         |         |         |         |         |         |      | 2.7   | 3.4                   |
| ESE                     | 2.4   | 1.7   | .3     |         |         |         |         |         |         |         |      | 4.4   | 3.5                   |
| SE                      | 2.3   | .8    |        |         |         |         |         |         |         |         |      | 3.1   | 2.8                   |
| SSE                     | .9    | .5    |        |         |         |         |         |         |         |         |      | 1.4   | 3.2                   |
| S                       | 1.8   | .3    |        |         |         |         |         |         |         |         |      | 2.1   | 2.2                   |
| SSW                     | 1.3   | .1    |        |         |         |         |         |         |         |         |      | 1.4   | 1.9                   |
| SW                      | 1.2   | .5    |        |         |         |         |         |         |         |         |      | 1.7   | 3.2                   |
| WSW                     | .9    | .6    |        |         |         |         |         |         |         |         |      | 1.5   | 3.2                   |
| W                       | 2.2   | .9    |        |         |         |         |         |         |         |         |      | 3.1   | 2.9                   |
| WNW                     | 1.5   | 1.4   | .9     |         |         |         |         |         |         |         |      | 3.9   | 4.2                   |
| NW                      | 4.1   | 5.1   | 4.2    | 1.3     |         |         |         |         |         |         |      | 14.8  | 5.8                   |
| NNW                     | 2.7   | 5.0   | 10.8   | 5.1     | .1      |         |         |         |         |         |      | 23.8  | 8.1                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 19.8  |                       |
|                         | 30.8  | 22.5  | 19.4   | 7.3     | .1      |         |         |         |         |         |      | 100.0 | 4.4                   |

TOTAL NUMBER OF OBSERVATIONS 778

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

93214 VANDENBERG AFB CA

67-70, 73-78

MAY  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.0   | .5    | .8     | .6      | .1      |         |         |         |         |         |      | 3.0   | 7.2                   |
| NNE                     | .2    | .4    | .1     |         |         |         |         |         |         |         |      | .7    | 4.2                   |
| NE                      | .1    |       | .2     | .1      |         |         |         |         |         |         |      | .5    | 7.3                   |
| ENE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| E                       | .1    |       |        |         |         |         |         |         |         |         |      | .1    | 2.0                   |
| ESE                     | .2    |       |        |         |         |         |         |         |         |         |      | .2    | 2.5                   |
| SE                      | .1    | .1    |        |         |         |         |         |         |         |         |      | .2    | 3.5                   |
| SSE                     | .2    |       |        |         |         |         |         |         |         |         |      | .2    | 1.5                   |
| S                       | .4    | .2    |        |         |         |         |         |         |         |         |      | .6    | 3.0                   |
| SSW                     | .2    | .1    |        |         |         |         |         |         |         |         |      | .4    | 3.3                   |
| SW                      | .4    | .8    | .1     | .1      |         |         |         |         |         |         |      | 1.4   | 4.9                   |
| WSW                     | .8    | 1.1   | 1.4    |         |         |         |         |         |         |         |      | 3.3   | 5.9                   |
| W                       | 3.9   | 7.5   | 2.6    | .1      |         |         |         |         |         |         |      | 14.2  | 5.0                   |
| WNW                     | 3.0   | 8.2   | 6.2    | 1.2     |         |         |         |         |         |         |      | 18.6  | 6.1                   |
| NW                      | 2.6   | 8.2   | 11.7   | 7.5     | 1.3     | .2      |         |         |         |         |      | 31.5  | 8.7                   |
| NNW                     | 1.2   | 2.9   | 6.8    | 9.0     | 1.2     | .1      |         |         |         |         |      | 21.2  | 10.4                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 3.8   |                       |
|                         | 14.5  | 30.0  | 30.0   | 18.7    | 2.6     | .4      |         |         |         |         |      | 100.0 | 7.4                   |

TOTAL NUMBER OF OBSERVATIONS

840

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 93214 VANDENBERG AFB CA 67-70, 72-78 YEARS DAY  
STATION NAME MONTH  
ALL WEATHER CLASS 1200-1400  
CONDITION HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .4    | .7     | .4      | .1      |         |         |         |         |         |      | 1.5   | 10.0                  |
| NNE                     |       | .1    |        |         |         |         |         |         |         |         |      | .1    | 5.0                   |
| NE                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| ENE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| E                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| ESE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SE                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SSE                     |       |       |        | .1      | .1      |         |         |         |         |         |      | .2    | 16.5                  |
| S                       |       |       | .1     |         |         |         |         |         |         |         |      | .1    | 9.0                   |
| SSW                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SW                      | .1    | .2    | .5     | .1      |         |         |         |         |         |         |      | 1.0   | 7.6                   |
| WSW                     |       | 1.2   | .7     | .2      |         |         |         |         |         |         |      | 2.1   | 6.9                   |
| W                       | .5    | 6.5   | 8.6    | .4      |         |         |         |         |         |         |      | 16.0  | 6.9                   |
| WNW                     | 1.0   | 6.2   | 12.4   | 5.0     | .2      |         |         |         |         |         |      | 24.8  | 8.3                   |
| NW                      | .8    | 5.2   | 12.1   | 17.1    | 2.3     | .1      |         |         |         |         |      | 37.7  | 10.8                  |
| NNW                     | .1    | .7    | 3.5    | 7.7     | 4.0     |         |         |         |         |         |      | 16.1  | 13.3                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | .4    |                       |
|                         | 2.5   | 20.6  | 38.6   | 31.1    | 6.8     | .1      |         |         |         |         |      | 100.0 | 9.8                   |

TOTAL NUMBER OF OBSERVATIONS 840

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

67-70, 73-78  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .4    | .5    | .0     | .5      | .4      |         |         |         |         |         |      | 2.4   | 9.5                   |
| NNE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| NE                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| ENE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| E                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| ESE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SE                      |       |       |        | .1      |         |         |         |         |         |         |      | .1    | 13.0                  |
| SSE                     |       |       |        | .1      |         |         |         |         |         |         |      | .1    | 13.0                  |
| S                       |       |       | .1     | .1      |         |         |         |         |         |         |      | .3    | 10.0                  |
| SSW                     |       |       | .1     |         |         |         |         |         |         |         |      | .1    | 9.0                   |
| SW                      |       |       | .1     | .1      |         |         |         |         |         |         |      | .3    | 9.5                   |
| WSW                     |       |       | .6     |         |         |         |         |         |         |         |      | .6    | 7.8                   |
| W                       | .4    | 4.5   | 2.7    |         |         |         |         |         |         |         |      | 9.1   | 5.6                   |
| WNW                     | 1.5   | 6.5   | 9.6    | 4.4     | .1      |         |         |         |         |         |      | 22.2  | 7.9                   |
| NW                      | .0    | 6.2   | 16.0   | 14.4    | 1.9     | .1      |         |         |         |         |      | 39.7  | 10.2                  |
| NNW                     | .0    | 2.4   | 5.9    | 12.7    | 4.0     | .3      |         |         |         |         |      | 25.9  | 12.3                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | .1    |                       |
|                         | 4.1   | 20.2  | 35.4   | 32.4    | 6.4     | .4      |         |         |         |         |      | 100.0 | 9.8                   |

TOTAL NUMBER OF OBSERVATIONS 779

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 93214 STATION NAME VANDENBERG AFB CA YEARS 67-70, 73-75, 78 DAY 1800-2000  
NORTH  
CLASS ALL WEATHER  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.0   | 3.2   | 2.0    | 1.0     | .5      |         |         |         |         |         |      | 9.3   | 7.5                   |
| NNE                     | 1.1   | .2    |        |         |         |         |         |         |         |         |      | 1.2   | 2.6                   |
| NE                      | .4    |       |        |         |         |         |         |         |         |         |      | .4    | 2.0                   |
| ENE                     | .2    |       |        |         |         |         |         |         |         |         |      | .2    | 2.0                   |
| E                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| ESE                     | .2    | .4    |        |         |         |         |         |         |         |         |      | .5    | 3.3                   |
| SE                      |       |       | .6     |         |         |         |         |         |         |         |      | .2    | 10.0                  |
| SSE                     |       | .4    | .2     |         |         |         |         |         |         |         |      | .5    | 10.0                  |
| S                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SSW                     |       | .2    | .6     |         |         |         |         |         |         |         |      | .4    | 6.5                   |
| SW                      |       | .4    |        |         |         |         |         |         |         |         |      | .4    | 6.0                   |
| WSW                     | .4    | .2    |        |         |         |         |         |         |         |         |      | .5    | 3.7                   |
| W                       | 1.4   | 1.8   | .2     |         |         |         |         |         |         |         |      | 3.4   | 4.2                   |
| WNW                     | 2.1   | 3.7   | 4.8    | .5      |         |         |         |         |         |         |      | 11.2  | 6.3                   |
| NW                      | 2.5   | 9.3   | 13.0   | 4.5     | .2      |         |         |         |         |         |      | 30.0  | 7.6                   |
| NNW                     | 2.9   | 10.5  | 15.5   | 7.5     | .9      |         |         |         |         |         |      | 37.3  | 8.2                   |
| VARS                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 4.5   |                       |
|                         | 12.4  | 30.2  | 36.6   | 14.4    | 1.6     |         |         |         |         |         |      | 100.0 | 7.1                   |

TOTAL NUMBER OF OBSERVATIONS 560

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/NAF

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93214 STATION VANDENBERG AFB CA STATION NAME 67-70, 73-74 YEARS MAY MONTH  
ALL WFTHE CLASS 2100-2300 HOURS (L.S.T.)  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 4.4   | 3.2   | 2.5    | .2      |         |         |         |         |         |         |      | 11.6  | 5.1                   |
| NNE                     | 1.9   | .4    |        |         |         |         |         |         |         |         |      | 2.3   | 2.4                   |
| NE                      | .9    | .6    |        |         |         |         |         |         |         |         |      | 1.5   | 2.5                   |
| ENE                     | .8    |       |        |         |         |         |         |         |         |         |      | .8    | 1.5                   |
| E                       | .6    | 1.1   |        |         |         |         |         |         |         |         |      | 1.7   | 3.3                   |
| ESE                     | .9    | .9    |        |         |         |         |         |         |         |         |      | 1.9   | 3.4                   |
| SE                      | 1.5   | .8    |        |         |         |         |         |         |         |         |      | 2.3   | 2.7                   |
| SSE                     | .2    |       |        |         |         |         |         |         |         |         |      | .2    | 2.0                   |
| S                       | .9    |       |        |         |         |         |         |         |         |         |      | .9    | 1.6                   |
| SSW                     | .8    |       |        |         |         |         |         |         |         |         |      | .8    | 1.5                   |
| SW                      | .2    |       |        |         |         |         |         |         |         |         |      | .2    | 2.2                   |
| WSW                     | .6    | .2    |        |         |         |         |         |         |         |         |      | .8    | 2.8                   |
| W                       | 1.5   | 1.1   |        |         |         |         |         |         |         |         |      | 2.7   | 3.2                   |
| WNW                     | 1.5   | 2.1   | 1.9    |         |         |         |         |         |         |         |      | 5.5   | 5.5                   |
| NW                      | 3.0   | 7.2   | 7.0    | 1.7     | .2      |         |         |         |         |         |      | 19.9  | 6.4                   |
| NNW                     | 3.0   | 9.9   | 13.3   | 3.0     | .2      |         |         |         |         |         |      | 30.9  | 7.2                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 16.1  |                       |
|                         | 24.9  | 27.5  | 24.7   | 6.5     | .4      |         |         |         |         |         |      | 140.0 | 4.8                   |

TOTAL NUMBER OF OBSERVATIONS 527

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/NAF

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 93214 VANDENBERG AFB CA YEARS 71-72, 73-78 MONTH ALL  
CLASS ALL WINDS  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 2.2   | 2.4   | 1.0    | .0      | .2      |         |         |         |         |         |      | 7.4   | 0.1                   |
| NNE                     | 1.0   | .4    | .1     | .0      |         |         |         |         |         |         |      | 1.5   | 3.3                   |
| NE                      | .2    | .4    | .1     | .0      |         |         |         |         |         |         |      | 1.0   | 3.9                   |
| ENE                     | .4    | .1    |        |         |         |         |         |         |         |         |      | .4    | 2.3                   |
| E                       | 1.0   | .6    |        |         |         |         |         |         |         |         |      | 1.6   | 3.2                   |
| ESE                     | 1.0   | .7    | .1     |         |         |         |         |         |         |         |      | 1.8   | 3.6                   |
| SE                      | .4    | .4    | .0     | .0      |         |         |         |         |         |         |      | 1.3   | 3.2                   |
| SSE                     | .2    | .2    | .0     | .0      | .0      |         |         |         |         |         |      | .6    | 4.5                   |
| S                       | .0    | .2    | .0     | .0      |         |         |         |         |         |         |      | .8    | 3.1                   |
| SSW                     | .4    | .1    | .0     |         |         |         |         |         |         |         |      | .5    | 2.8                   |
| SW                      | .4    | .3    | .1     | .1      |         |         |         |         |         |         |      | .9    | 4.7                   |
| WSW                     | .2    | .6    | .4     | .0      |         |         |         |         |         |         |      | 1.6   | 5.1                   |
| W                       | 1.7   | 3.5   | 2.2    | .1      |         |         |         |         |         |         |      | 7.5   | 5.4                   |
| WNW                     | 1.7   | 4.4   | 5.4    | 1.7     | .1      |         |         |         |         |         |      | 13.3  | 7.0                   |
| NW                      | 2.2   | 6.4   | 9.7    | 7.2     | .9      | .1      |         |         |         |         |      | 26.5  | 8.8                   |
| NNW                     | 2.0   | 4.9   | 9.0    | 6.0     | 1.6     | .1      |         |         |         |         |      | 24.3  | 9.3                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 0.0   |                       |
|                         | 16.7  | 25.4  | 29.1   | 16.4    | 2.7     | .1      |         |         |         |         |      | 100.0 | 6.8                   |

TOTAL NUMBER OF OBSERVATIONS 5256



GLOBAL CLIMATE DATA BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 93214 STATION NAME VANDENBERG AFB CA YEARS 57-70, 73 MONTHS JUL  
CLASS ALL W.F. TYPE MONTHS NOV-DEC  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 4.2   | 5.1   | 2.0    | 1.1     |         |         |         |         |         |         |      | 12.4  | 5.3                   |
| NNE                     | 1.1   | 1.3   | .2     |         |         |         |         |         |         |         |      | 2.7   | 2.2                   |
| NE                      | 1.0   |       |        |         |         |         |         |         |         |         |      | 1.6   | 2.1                   |
| ENE                     | 1.0   |       |        |         |         |         |         |         |         |         |      | 1.6   | 2.1                   |
| E                       | 3.1   | .7    |        |         |         |         |         |         |         |         |      | 3.8   | 2.2                   |
| ESE                     | 2.7   | 1.0   |        |         |         |         |         |         |         |         |      | 4.2   | 2.9                   |
| SE                      | 1.0   | .9    |        |         |         |         |         |         |         |         |      | 2.4   | 2.7                   |
| SSE                     | .2    |       |        |         |         |         |         |         |         |         |      | .2    | 3.1                   |
| S                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SSW                     | .4    | .2    |        |         |         |         |         |         |         |         |      | .7    | 2.7                   |
| SW                      | 1.1   |       |        |         |         |         |         |         |         |         |      | 1.1   | 1.6                   |
| WSW                     | .2    |       |        |         |         |         |         |         |         |         |      | .2    | 3.0                   |
| W                       | 2.0   |       |        | .2      |         |         |         |         |         |         |      | 2.2   | 2.9                   |
| WNW                     | 1.1   | 1.0   | .4     | .2      |         |         |         |         |         |         |      | 3.3   | 5.1                   |
| NW                      | 3.1   | 7.8   | 5.0    | .7      |         |         |         |         |         |         |      | 17.1  | 5.7                   |
| NNW                     | 4.9   | 11.0  | 9.1    | 3.0     |         |         |         |         |         |         |      | 29.1  | 6.6                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 17.3  |                       |
|                         | 24.4  | 30.7  | 17.3   | 5.4     |         |         |         |         |         |         |      | 100.0 | 4.3                   |

TOTAL NUMBER OF OBSERVATIONS 451

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 93214 VANDENBERG AFB CA YEARS 67-70, 73 MONTHS 0300-2500  
STATION NAME ALL WEATHER CLASS CLAS  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 4.0   | 6.2   | 1.0    | .4      |         |         |         |         |         |         |      | 12.4  | 4.7                   |
| NNE                     | 3.1   | 1.1   | .2     |         |         |         |         |         |         |         |      | 4.4   | 2.5                   |
| NE                      | .7    | .4    |        |         |         |         |         |         |         |         |      | 1.3   | 2.2                   |
| ENE                     | .3    |       |        |         |         |         |         |         |         |         |      | .9    | 2.0                   |
| E                       | 1.3   | 2.0   |        |         |         |         |         |         |         |         |      | 3.3   | 2.7                   |
| ESE                     | 2.2   | 4.0   |        |         |         |         |         |         |         |         |      | 6.2   | 3.6                   |
| SE                      | 1.3   | .9    |        |         |         |         |         |         |         |         |      | 2.7   | 2.8                   |
| SSE                     | 2.0   | .4    |        |         |         |         |         |         |         |         |      | 2.4   | 2.5                   |
| S                       | .4    |       |        |         |         |         |         |         |         |         |      | .4    | 2.2                   |
| SSW                     | 1.3   |       |        |         |         |         |         |         |         |         |      | 1.3   | 2.2                   |
| SW                      | .4    |       |        |         |         |         |         |         |         |         |      | .9    | 1.5                   |
| WSW                     | .7    | .4    |        |         |         |         |         |         |         |         |      | 1.1   | 3.2                   |
| W                       | .7    | .7    | .2     |         |         |         |         |         |         |         |      | 1.6   | 3.7                   |
| WNW                     | .7    | 1.1   | .9     | .2      |         |         |         |         |         |         |      | 2.9   | 5.9                   |
| NW                      | 1.1   | 7.1   | 3.8    |         |         |         |         |         |         |         |      | 12.0  | 5.5                   |
| NNW                     | 4.2   | 8.0   | 9.3    | 4.0     |         |         |         |         |         |         |      | 25.6  | 6.9                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 20.4  |                       |
|                         | 26.2  | 32.4  | 16.2   | 4.7     |         |         |         |         |         |         |      | 100.0 | 4.0                   |

TOTAL NUMBER OF OBSERVATIONS 450

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 94214 STATION NAME VANDENBERG AFB CA YEARS 67-70, 73-78 MONTH JUL  
CLASS ALL WEATHER HOURS (LST) 0600-0800  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 5.4   | 3.5   | 1.9    | 1.0     |         |         |         |         |         |         |      | 11.8  | 4.7                   |
| NNE                     | 2.5   | 1.2   |        |         |         |         |         |         |         |         |      | 3.7   | 2.9                   |
| NE                      | .3    | .1    |        |         |         |         |         |         |         |         |      | .4    | 2.3                   |
| ENE                     | .3    |       |        |         |         |         |         |         |         |         |      | .3    | 1.5                   |
| E                       | 1.4   | .4    | .1     |         |         |         |         |         |         |         |      | 1.9   | 3.0                   |
| ESE                     | .8    | 1.5   | .1     |         |         |         |         |         |         |         |      | 2.5   | 3.9                   |
| SE                      | 1.8   | 1.0   | .3     |         |         |         |         |         |         |         |      | 3.0   | 3.4                   |
| SSE                     | .9    |       | .1     |         |         |         |         |         |         |         |      | 1.0   | 2.9                   |
| S                       | 1.7   | .4    |        |         |         |         |         |         |         |         |      | 2.1   | 2.7                   |
| SSW                     | 1.1   | .6    |        |         |         |         |         |         |         |         |      | 1.7   | 2.6                   |
| SW                      | 1.1   | .3    |        |         |         |         |         |         |         |         |      | 1.4   | 2.2                   |
| WSW                     | 1.0   | .7    |        |         |         |         |         |         |         |         |      | 1.7   | 3.3                   |
| W                       | 2.5   | 2.2   | .1     |         |         |         |         |         |         |         |      | 4.8   | 3.5                   |
| WNW                     | 1.7   | 2.9   | .4     | .1      |         |         |         |         |         |         |      | 5.1   | 4.4                   |
| NW                      | 3.6   | 5.0   | 3.2    | 1.4     |         |         |         |         |         |         |      | 13.2  | 6.6                   |
| NNW                     | 6.0   | 7.1   | 6.2    | 3.2     | .3      |         |         |         |         |         |      | 22.7  | 6.4                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 22.7  |                       |
|                         | 31.9  | 26.9  | 12.6   | 5.7     | .3      |         |         |         |         |         |      | 100.0 | 3.8                   |

TOTAL NUMBER OF OBSERVATIONS 722

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA 57-70, 73-78 YEARS NORTH  
ALL WEATHER CLASS 0900-1100 HOURS (L.S.T.)  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.0   | 1.2   | .0     | .2      | .1      |         |         |         |         |         |      | 3.2   | 5.7                   |
| NNE                     |       | .2    |        |         |         |         |         |         |         |         |      | .2    | 4.5                   |
| NE                      | .1    |       | .1     |         |         |         |         |         |         |         |      | .2    | 4.5                   |
| ENE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| E                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| ESE                     | .1    |       |        |         |         |         |         |         |         |         |      | .1    | 3.0                   |
| SE                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SSE                     |       | .1    |        |         |         |         |         |         |         |         |      | .1    | 6.0                   |
| S                       | .1    | .2    | .4     | .1      |         |         |         |         |         |         |      | .9    | 7.4                   |
| SSW                     | .2    | .1    | .5     |         |         |         |         |         |         |         |      | .9    | 5.1                   |
| SW                      | .1    | .5    | .1     |         |         |         |         |         |         |         |      | .7    | 5.3                   |
| WSW                     | 1.0   | 1.7   | 1.1    |         |         |         |         |         |         |         |      | 3.8   | 5.0                   |
| W                       | 2.6   | 6.7   | 4.7    | .5      |         |         |         |         |         |         |      | 14.4  | 5.8                   |
| WNW                     | 3.6   | 8.5   | 5.1    | 1.6     |         |         |         |         |         |         |      | 18.8  | 6.2                   |
| NW                      | 3.8   | 7.4   | 11.7   | 6.5     | .6      |         |         |         |         |         |      | 30.1  | 8.1                   |
| NNW                     | 1.6   | 5.4   | 7.9    | 4.1     | 1.1     |         |         |         |         |         |      | 20.1  | 8.5                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 6.3   |                       |
|                         | 14.3  | 32.2  | 32.2   | 13.1    | 1.9     |         |         |         |         |         |      | 100.0 | 6.7                   |

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA 67-70, 73-78 YEARS MONTH JUL

ALL WEATHER  
CLASS

1200-1400  
MOVES (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .1    | .4    | .2     | .1      |         |         |         |         |         |         |      | .9    | 7.0                   |
| NNE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| NE                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| ENE                     | .1    |       |        |         |         |         |         |         |         |         |      | .1    | 2.0                   |
| E                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| ESE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SE                      |       |       |        | .1      |         |         |         |         |         |         |      | .1    | 11.0                  |
| SSE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| S                       |       |       | .5     |         |         |         |         |         |         |         |      | .5    | 10.0                  |
| SSW                     |       |       |        | .1      |         |         |         |         |         |         |      | .1    | 14.0                  |
| SW                      | .1    |       | .2     | .2      |         |         |         |         |         |         |      | .9    | 10.3                  |
| WSW                     | .1    | .5    | 1.5    | .4      |         |         |         |         |         |         |      | 3.0   | 9.4                   |
| W                       | .6    | 6.2   | 10.1   | 1.1     |         |         |         |         |         |         |      | 18.0  | 7.3                   |
| WNW                     | .9    | 5.0   | 15.1   | 3.8     | .2      |         |         |         |         |         |      | 25.1  | 8.5                   |
| NW                      | .4    | 6.7   | 15.4   | 12.2    | 3.4     | .2      |         |         |         |         |      | 38.3  | 10.4                  |
| NNW                     | .4    | 1.2   | 5.0    | 3.8     | 2.1     | .4      |         |         |         |         |      | 12.9  | 11.4                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | .1    |                       |
|                         | 2.7   | 20.0  | 48.2   | 22.7    | 5.8     | .6      |         |         |         |         |      | 100.0 | 9.4                   |

TOTAL NUMBER OF OBSERVATIONS 612

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

67-70, 73-78  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .1    | .2     | .0      |         | .1      |         |         |         |         |      | 1.1   | 12.9                  |
| NNE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| NE                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| ENE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| E                       |       | .1    |        |         |         |         |         |         |         |         |      | .1    | 4.0                   |
| ESE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SE                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SSE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| S                       |       |       | .1     | .1      |         |         |         |         |         |         |      | .3    | 11.0                  |
| SSW                     |       | .1    | .2     |         |         |         |         |         |         |         |      | .4    | 7.7                   |
| SW                      |       |       |        | .3      |         |         |         |         |         |         |      | .3    | 11.5                  |
| WSW                     | .1    | .4    | 1.2    | .3      |         |         |         |         |         |         |      | 2.1   | 7.5                   |
| W                       | .1    | 4.8   | 4.8    | .7      |         |         |         |         |         |         |      | 10.5  | 7.1                   |
| WNW                     | .6    | 5.1   | 10.8   | 4.0     | .4      |         |         |         |         |         |      | 20.9  | 8.2                   |
| NW                      | .7    | 6.8   | 19.1   | 14.4    | 1.8     | .1      |         |         |         |         |      | 42.9  | 9.9                   |
| NNW                     | .3    | 3.5   | 8.2    | 6.8     | 2.5     | .1      |         |         |         |         |      | 21.3  | 11.0                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 1.8   | 21.1  | 44.9   | 27.1    | 4.7     | .4      |         |         |         |         |      | 100.0 | 9.5                   |

TOTAL NUMBER OF OBSERVATIONS 722

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93214 STATION VANDENBERG AFB CA STATION NAME 67-70, 73-74 YEARS JUL 4 MONTH 1800-2000 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.7   | 2.4   | .7     | .2      | .4      |         |         |         |         |         |      | 5.4   | 5.7                   |
| NNE                     | .7    | .7    |        |         |         |         |         |         |         |         |      | 1.5   | 3.1                   |
| NE                      | .2    | .4    |        |         |         |         |         |         |         |         |      | .6    | 3.3                   |
| ENE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| E                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| ESE                     | .2    |       |        |         |         |         |         |         |         |         |      | .2    | 2.0                   |
| SE                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SSE                     |       |       | .2     |         |         |         |         |         |         |         |      | .2    | 7.0                   |
| S                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SSW                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SW                      | .2    | .2    |        |         |         |         |         |         |         |         |      | .4    | 4.5                   |
| WSW                     | 1.3   | 1.5   | .2     |         |         |         |         |         |         |         |      | 3.0   | 3.9                   |
| W                       | .2    | 2.0   | .2     |         |         |         |         |         |         |         |      | 2.4   | 4.8                   |
| WNW                     | 1.3   | 3.1   | 4.6    | 1.5     | .2      |         |         |         |         |         |      | 10.7  | 7.3                   |
| NW                      | 3.1   | 8.0   | 13.0   | 7.2     |         |         |         |         |         |         |      | 31.3  | 7.9                   |
| NNW                     | 3.9   | 12.8  | 17.0   | 6.9     | .9      | .2      |         |         |         |         |      | 41.7  | 7.9                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 2.8   |                       |
|                         | 12.8  | 31.1  | 35.9   | 15.7    | 1.5     | .2      |         |         |         |         |      | 100.0 | 7.2                   |

TOTAL NUMBER OF OBSERVATIONS 540

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

94214 STATION VANDENBERG AFB CA 57-70, 73-74, 78 YEARS JUL MONTH 2100-2300 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N                 | 4.5   | 7.8   | 2.3    | 1.0     |         |         |         |         |         |         |      | 15.7  | 5.2             |
| NNE               | 2.2   | .8    |        |         |         |         |         |         |         |         |      | 2.9   | 2.3             |
| NE                | 1.4   | .2    |        |         |         |         |         |         |         |         |      | 1.6   | 2.1             |
| ENE               | .8    | .2    |        |         |         |         |         |         |         |         |      | 1.0   | 2.4             |
| E                 | 1.2   | .2    | .2     |         |         |         |         |         |         |         |      | 1.6   | 3.1             |
| ESE               | .6    | .2    |        |         |         |         |         |         |         |         |      | .8    | 3.0             |
| SE                | .2    | .8    |        |         |         |         |         |         |         |         |      | 1.0   | 3.8             |
| SSE               | .2    | .2    |        |         |         |         |         |         |         |         |      | .4    | 3.5             |
| S                 | .2    |       |        |         |         |         |         |         |         |         |      | .2    | 1.0             |
| SSW               | .2    | .2    |        |         |         |         |         |         |         |         |      | .4    | 2.5             |
| SW                | .4    |       |        |         |         |         |         |         |         |         |      | .4    | 1.2             |
| WSW               | 1.0   | .2    |        |         |         |         |         |         |         |         |      | 1.2   | 2.8             |
| W                 | 2.3   | .4    |        |         |         |         |         |         |         |         |      | 2.7   | 2.5             |
| WNW               | 1.4   | 1.2   | 1.4    | .6      |         |         |         |         |         |         |      | 4.9   | 5.6             |
| NW                | 2.3   | 7.8   | 5.9    | .4      | .2      |         |         |         |         |         |      | 16.6  | 6.0             |
| NNW               | 1.5   | 14.7  | 11.2   | 4.3     | .6      |         |         |         |         |         |      | 34.2  | 7.0             |
| VARBL             |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| CALM              |       |       |        |         |         |         |         |         |         |         |      | 14.5  |                 |
|                   | 22.7  | 34.8  | 20.9   | 6.1     | .8      |         |         |         |         |         |      | 100.0 | 4.8             |

TOTAL NUMBER OF OBSERVATIONS 511



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA 57-70, 73-78 YEARS  
ALL WEATHER CLASS  
ALL MONTHS (LST) CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 2.3   | 2.9   | 1.1    | .5      | .1      | .0      |         |         |         |         |      | 6.9   | 5.3                   |
| NNE                     | 1.6   | .6    | .0     |         |         |         |         |         |         |         |      | 1.7   | 2.9                   |
| NE                      | .4    | .1    | .0     |         |         |         |         |         |         |         |      | .6    | 2.7                   |
| ENE                     | .4    | .0    |        |         |         |         |         |         |         |         |      | .4    | 2.1                   |
| E                       | .7    | .3    | .0     |         |         |         |         |         |         |         |      | 1.1   | 3.1                   |
| ESE                     | .7    | .7    | .0     |         |         |         |         |         |         |         |      | 1.4   | 3.4                   |
| SE                      | .0    | .4    | .0     | .0      |         |         |         |         |         |         |      | 1.0   | 3.3                   |
| SSE                     | .3    | .1    | .0     |         |         |         |         |         |         |         |      | .5    | 3.0                   |
| S                       | .3    | .1    | .2     | .0      |         |         |         |         |         |         |      | .6    | 5.2                   |
| SSW                     | .4    | .2    | .1     | .0      |         |         |         |         |         |         |      | .7    | 3.8                   |
| SW                      | .4    | .1    | .1     | .1      |         |         |         |         |         |         |      | .8    | 4.6                   |
| WSW                     | .7    | .7    | .6     | .2      |         |         |         |         |         |         |      | 2.2   | 5.7                   |
| W                       | 1.4   | 3.4   | 3.1    | .4      |         |         |         |         |         |         |      | 9.3   | 6.1                   |
| WNW                     | 1.5   | 4.0   | 5.6    | 1.7     | .1      |         |         |         |         |         |      | 13.1  | 7.4                   |
| NW                      | 2.3   | 7.0   | 10.4   | 6.2     | .9      | .1      |         |         |         |         |      | 26.8  | 8.5                   |
| NNW                     | 2.4   | 7.2   | 8.8    | 4.6     | 1.1     | .1      |         |         |         |         |      | 24.6  | 8.1                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 9.5   |                       |
|                         | 16.2  | 27.9  | 30.3   | 13.1    | 2.2     | .2      |         |         |         |         |      | 100.0 | 6.5                   |

TOTAL NUMBER OF OBSERVATIONS 5017

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA 57-70.73 YEARS 4 JL  
STATION NAME BOOTH  
ALL WEATHER CLASS 0000-0200  
HOURS (LST)  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 4.9   | 2.8   | 1.1    |         |         |         |         |         |         |         |      | 11.8  | 3.0                   |
| NNE                     | 3.9   | 1.1   |        |         |         |         |         |         |         |         |      | 4.9   | 2.6                   |
| NE                      | 2.4   | .2    |        |         |         |         |         |         |         |         |      | 2.6   | 2.1                   |
| ENE                     | .9    |       |        |         |         |         |         |         |         |         |      | .9    | 2.3                   |
| E                       | 1.9   | .2    |        |         |         |         |         |         |         |         |      | 2.2   | 2.6                   |
| ESE                     | 1.1   | .6    |        |         |         |         |         |         |         |         |      | 1.7   | 3.1                   |
| SE                      | .4    | .4    |        |         |         |         |         |         |         |         |      | .9    | 3.3                   |
| SSE                     | .6    | .2    |        |         |         |         |         |         |         |         |      | .9    | 2.0                   |
| S                       | .9    |       |        |         |         |         |         |         |         |         |      | .6    | 2.0                   |
| SSW                     | 1.1   |       |        |         |         |         |         |         |         |         |      | 1.1   | 2.2                   |
| SW                      |       | .2    |        |         |         |         |         |         |         |         |      | .2    | 4.0                   |
| WSW                     | .9    |       |        |         |         |         |         |         |         |         |      | .9    | 1.5                   |
| W                       | 1.5   | 1.1   |        |         |         |         |         |         |         |         |      | 2.6   | 2.5                   |
| WNW                     | 1.9   | 3.4   |        |         |         |         |         |         |         |         |      | 5.4   | 3.7                   |
| NW                      | 4.5   | 7.7   | 2.4    | 1.1     |         |         |         |         |         |         |      | 15.7  | 5.2                   |
| NNW                     | 3.7   | 10.5  | 4.1    | .4      |         |         |         |         |         |         |      | 18.7  | 5.2                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 29.0  |                       |
|                         | 30.4  | 31.6  | 7.5    | 1.5     |         |         |         |         |         |         |      | 100.0 | 2.9                   |

TOTAL NUMBER OF OBSERVATIONS 465

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/TAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93214 STATION 93214 VANDEMBERG AFB CA 67-70.73 YEARS 1967-1970  
STATION NAME CLASS MONTH NORTH  
ALL WEATHER 0300-0500  
HOURS LST

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 0.2   | 4.3   | 1.7    |         |         |         |         |         |         |         |      | 12.5  | 4.1                   |
| NNE                     | 3.7   | .2    |        |         |         |         |         |         |         |         |      | 3.9   | 2.2                   |
| NE                      | 2.4   | .4    |        |         |         |         |         |         |         |         |      | 2.8   | 2.5                   |
| ENE                     | .5    |       |        |         |         |         |         |         |         |         |      | .6    | 2.3                   |
| E                       | 2.2   |       |        |         |         |         |         |         |         |         |      | 2.2   | 2.0                   |
| ESE                     | 1.1   | .9    |        |         |         |         |         |         |         |         |      | 1.9   | 3.2                   |
| SE                      | 3.6   | 1.1   |        |         |         |         |         |         |         |         |      | 4.1   | 2.7                   |
| SSE                     | .2    | .9    |        |         |         |         |         |         |         |         |      | 1.1   | 4.2                   |
| S                       | 1.3   | .4    |        |         |         |         |         |         |         |         |      | 1.7   | 2.5                   |
| SSW                     | .4    | .4    |        |         |         |         |         |         |         |         |      | .9    | 3.3                   |
| SW                      | 1.3   |       |        |         |         |         |         |         |         |         |      | 1.3   | 2.2                   |
| WSW                     | .3    | .6    |        |         |         |         |         |         |         |         |      | 1.5   | 2.9                   |
| W                       | .2    | .2    | .2     |         |         |         |         |         |         |         |      | 1.3   | 3.3                   |
| WNW                     | 2.4   | 2.4   | .2     |         |         |         |         |         |         |         |      | 4.9   | 3.6                   |
| NW                      | 4.7   | 4.5   | .6     |         |         |         |         |         |         |         |      | 9.9   | 3.8                   |
| NNW                     | 4.2   | 7.5   | 4.3    | .2      |         |         |         |         |         |         |      | 16.6  | 5.2                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 37.9  |                       |
|                         | 35.7  | 23.9  | 7.3    | .2      |         |         |         |         |         |         |      | 100.0 | 2.5                   |

TOTAL NUMBER OF OBSERVATIONS 405

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 93214 VANDENBERG AFB CA STATION NAME 57-70, 72-78 YEARS 9-1  
CLASS ALL WEATHER MONTH 0000-1400  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 2.8   | 3.0   | 1.9    | .2      |         |         |         |         |         |         |      | 3.0   | 3.9                   |
| NNE                     | 1.4   | .8    |        |         |         |         |         |         |         |         |      | 2.2   | 2.8                   |
| NE                      | 1.0   | .4    |        |         |         |         |         |         |         |         |      | 1.4   | 2.7                   |
| ENE                     | .7    |       |        |         |         |         |         |         |         |         |      | .7    | 2.2                   |
| E                       | 2.1   | .1    |        |         |         |         |         |         |         |         |      | 2.2   | 2.3                   |
| ESE                     | 1.6   | .4    |        |         |         |         |         |         |         |         |      | 2.2   | 2.3                   |
| SE                      | 1.4   | .7    |        |         |         |         |         |         |         |         |      | 2.1   | 2.2                   |
| SSE                     | .5    | .3    |        |         |         |         |         |         |         |         |      | 1.1   | 2.5                   |
| S                       | .7    | .4    |        |         |         |         |         |         |         |         |      | 1.1   | 2.6                   |
| SSW                     | 1.4   | .4    |        |         |         |         |         |         |         |         |      | 1.8   | 2.3                   |
| SW                      | 1.7   | .4    |        |         |         |         |         |         |         |         |      | 2.1   | 2.7                   |
| WSW                     | 1.5   | .7    |        |         |         |         |         |         |         |         |      | 2.2   | 2.6                   |
| W                       | 3.2   | 1.1   |        |         |         |         |         |         |         |         |      | 4.6   | 2.7                   |
| WNW                     | 3.5   | 2.8   | .1     |         |         |         |         |         |         |         |      | 5.8   | 3.3                   |
| NW                      | 3.7   | 4.8   | 2.8    | .4      |         |         |         |         |         |         |      | 11.7  | 5.1                   |
| NNW                     | 3.7   | 4.8   | 3.3    | .2      |         |         |         |         |         |         |      | 12.2  | 5.2                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 37.7  |                       |
|                         | 31.4  | 21.3  | 8.1    | 1.0     |         |         |         |         |         |         |      | 100.0 | 2.5                   |

TOTAL NUMBER OF OBSERVATIONS 724

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA 67-70, 73-78 YEARS JUL MONTH  
CLASS ALL AT THE  
CONDITION

0900-1100  
HOURS (L & T)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .0    | .9    | .4     | .2      |         |         |         |         |         |         |      | 2.1   | 5.4                   |
| NNE                     | .1    | .2    |        |         |         |         |         |         |         |         |      | .4    | 4.0                   |
| NE                      | .1    |       |        |         |         |         |         |         |         |         |      | .1    | 3.0                   |
| ENE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| E                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| ESE                     | .1    |       |        |         |         |         |         |         |         |         |      | .1    | 2.1                   |
| SE                      | .1    |       |        |         |         |         |         |         |         |         |      | .1    | 2.3                   |
| SSE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| S                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SSW                     | .2    | .1    |        |         |         |         |         |         |         |         |      | .4    | 3.3                   |
| SW                      | .7    | .2    | .1     |         |         |         |         |         |         |         |      | 1.2   | 3.1                   |
| WSW                     | 1.7   | 2.2   | 1.5    |         |         |         |         |         |         |         |      | 5.5   | 4.8                   |
| W                       | 5.6   | 11.2  | 4.6    | .1      |         |         |         |         |         |         |      | 21.7  | 5.0                   |
| WNW                     | 4.3   | 11.3  | 6.4    | .4      | .1      |         |         |         |         |         |      | 22.6  | 5.5                   |
| NW                      | 4.0   | 8.8   | 7.1    | 3.5     |         |         |         |         |         |         |      | 23.3  | 6.7                   |
| NNW                     | 2.4   | 5.5   | 5.7    | 2.4     | .1      |         |         |         |         |         |      | 16.5  | 7.1                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 6.1   |                       |
|                         | 20.2  | 40.4  | 20.0   | 7.1     | .2      |         |         |         |         |         |      | 100.0 | 5.5                   |

TOTAL NUMBER OF OBSERVATIONS 667

AD-A082 417

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC P/S 4/9  
VANDENBERG AFB, LONGOFC, CALIFORNIA. REVISED UNIFORM SUMMARY OF --ETC(U)  
AUG 79

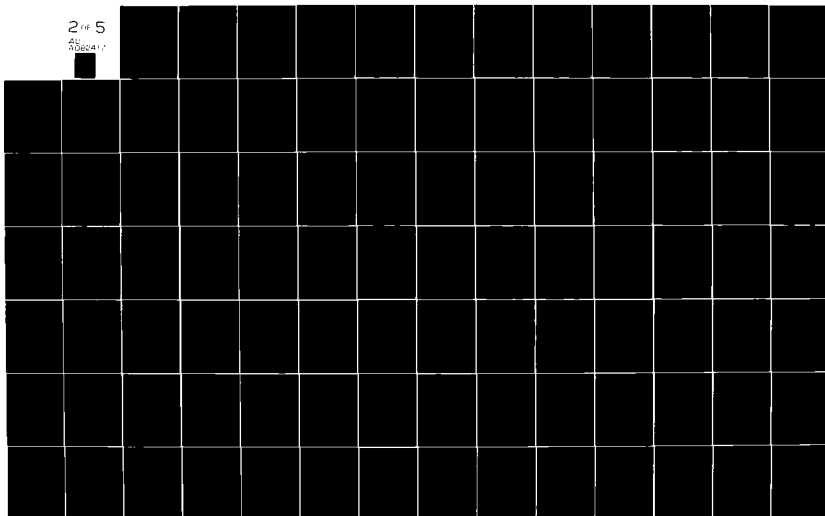
UNCLASSIFIED

USAFETAC/DS-88/825

ML

2 of 5

AD-A082 417



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA 67-70, 73-78 YEARS JUL NORTH  
ALL WEATHER CLASS 1200-1400 HOURS (L.S.T.)  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       |       | .9     |         |         |         |         |         |         |         |      | .9    | 8.1                   |
| NNE                     |       |       | .1     |         |         |         |         |         |         |         |      | .1    | 10.0                  |
| NE                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| ENE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| E                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| ESE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SE                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SSE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| S                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SSW                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SW                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| WSW                     | .2    | .5    | 2.1    |         |         |         |         |         |         |         |      | 2.9   | 7.0                   |
| W                       | 1.4   | 6.8   | 12.5   | .1      |         |         |         |         |         |         |      | 21.3  | 6.6                   |
| WNW                     | 2.1   | 6.8   | 19.0   | 2.1     | .2      |         |         |         |         |         |      | 30.2  | 7.6                   |
| NW                      | 1.1   | 2.2   | 19.3   | 6.0     | .7      |         |         |         |         |         |      | 33.2  | 8.9                   |
| NNW                     | .2    | 1.0   | 1.0    | 4.3     | .6      |         |         |         |         |         |      | 11.4  | 10.5                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 5.4   | 20.3  | 58.9   | 13.4    | 1.0     |         |         |         |         |         |      | 100.0 | 8.2                   |

TOTAL NUMBER OF OBSERVATIONS 807

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAF

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 VANDENBERG AFB CA 57-70, 73-78 JUL  
STATION STATION NAME YEARS MONTH  
ALL WEATHER CLASS 1500-1700  
HOURS (L.S.T.)  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       |       | .3     | .3      | .1      |         |         |         |         |         |      | .7    | 11.8                  |
| NNE                     |       |       | .1     |         |         |         |         |         |         |         |      | .1    | 8.0                   |
| NE                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| ENE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| E                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| ESE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SE                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SSE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| S                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SSW                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SW                      |       | .1    |        |         |         |         |         |         |         |         |      | .1    | 4.1                   |
| WSW                     |       | .3    | .3     |         |         |         |         |         |         |         |      | .6    | 6.8                   |
| W                       | 1.7   | 4.4   | 6.4    |         |         |         |         |         |         |         |      | 12.4  | 6.2                   |
| WNW                     | 1.8   | 8.1   | 11.3   | 1.4     |         |         |         |         |         |         |      | 23.2  | 7.1                   |
| NW                      | 2.9   | 8.3   | 26.0   | 8.4     | .8      |         |         |         |         |         |      | 46.3  | 8.4                   |
| NNW                     | .4    | 1.2   | 8.4    | 5.2     | .7      |         |         |         |         |         |      | 16.4  | 9.9                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | .1    |                       |
|                         | 7.2   | 22.5  | 52.8   | 15.7    | 1.7     |         |         |         |         |         |      | 100.0 | 8.1                   |

TOTAL NUMBER OF OBSERVATIONS 724



2  
1

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA 67-70, 73-74 YEARS JUL NORTH  
CLASS ALL WEATHER  
CONDITION

1800-2000 HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 53 | ≥ 56 | %     | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N                 | 1.0   | 4.5   | 1.1    | .2      |         |         |         |         |         |         |      | 7.3   | 5.0             |
| NNE               | .5    | .4    |        |         |         |         |         |         |         |         |      | .9    | 3.4             |
| NE                | .2    | .2    |        |         |         |         |         |         |         |         |      | .4    | 3.0             |
| ENE               |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| E                 |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| ESE               |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| SE                |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| SSE               |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| S                 |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| SSW               |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| SW                |       | .2    |        |         |         |         |         |         |         |         |      | .2    | 4.0             |
| WSW               |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| W                 | .7    | 1.3   | .5     |         |         |         |         |         |         |         |      | 2.7   | 4.8             |
| WNW               | 2.7   | 4.7   | 3.0    | .7      |         |         |         |         |         |         |      | 11.6  | 5.7             |
| NW                | 6.1   | 17.2  | 13.0   | 2.1     |         |         |         |         |         |         |      | 38.9  | 6.1             |
| NNW               | 5.2   | 12.9  | 14.0   | 2.3     |         |         |         |         |         |         |      | 34.4  | 6.3             |
| VARBL             |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| CALM              |       |       |        |         |         |         |         |         |         |         |      | 3.6   |                 |
|                   | 17.2  | 41.2  | 32.8   | 5.2     |         |         |         |         |         |         |      | 100.0 | 5.8             |

TOTAL NUMBER OF OBSERVATIONS 55H

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/440

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

67-70, 73-74  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 6.5   | 5.9   | .9     |         |         |         |         |         |         |         |      | 13.3  | 3.7                   |
| NNE                     | 3.6   | 1.3   |        |         |         |         |         |         |         |         |      | 4.9   | 2.7                   |
| NE                      | .9    | .6    |        |         |         |         |         |         |         |         |      | 1.5   | 2.6                   |
| ENE                     | .2    |       |        |         |         |         |         |         |         |         |      | .2    | 2.0                   |
| E                       | .4    |       |        |         |         |         |         |         |         |         |      | .4    | 2.0                   |
| ESE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SE                      | .2    | .2    |        |         |         |         |         |         |         |         |      | .4    | 3.0                   |
| SSE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| S                       | .2    |       |        |         |         |         |         |         |         |         |      | .2    | 2.0                   |
| SSW                     | .2    |       |        |         |         |         |         |         |         |         |      | .2    | 1.0                   |
| SW                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| WSW                     | .4    |       |        |         |         |         |         |         |         |         |      | .4    | 2.0                   |
| W                       | .6    |       |        |         |         |         |         |         |         |         |      | .6    | 2.3                   |
| WNW                     | .4    | .8    | .9     |         |         |         |         |         |         |         |      | 2.1   | 5.2                   |
| NW                      | 7.0   | 9.3   | 4.7    | .6      |         |         |         |         |         |         |      | 21.6  | 4.9                   |
| NNW                     | 7.4   | 15.7  | 8.3    | .4      |         |         |         |         |         |         |      | 31.9  | 5.1                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 22.4  |                       |
|                         | 27.4  | 33.8  | 15.0   | .9      |         |         |         |         |         |         |      | 100.0 | 3.5                   |

TOTAL NUMBER OF OBSERVATIONS 527

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA STATION NAME 67-70, 73-78 YEARS JUL MONTH  
ALL WEATHER CLASS ALL HOURS (L.S.T.)  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 2.4   | 2.6   | 1.0    | .1      | .0      |         |         |         |         |         |      | 6.1   | 4.5                   |
| NNE                     | 1.3   | .5    | .0     |         |         |         |         |         |         |         |      | 1.8   | 2.8                   |
| NE                      | .7    | .2    |        |         |         |         |         |         |         |         |      | .9    | 2.5                   |
| ENE                     | .3    |       |        |         |         |         |         |         |         |         |      | .3    | 2.2                   |
| E                       | .7    | .0    |        |         |         |         |         |         |         |         |      | .7    | 2.3                   |
| ESE                     | .5    | .2    |        |         |         |         |         |         |         |         |      | .7    | 2.7                   |
| SE                      | .6    | .3    |        |         |         |         |         |         |         |         |      | .8    | 2.8                   |
| SSE                     | .2    | .1    |        |         |         |         |         |         |         |         |      | .3    | 3.1                   |
| S                       | .3    | .1    |        |         |         |         |         |         |         |         |      | .4    | 2.5                   |
| SSW                     | .4    | .1    |        |         |         |         |         |         |         |         |      | .5    | 2.5                   |
| SW                      | .5    | .2    | .0     |         |         |         |         |         |         |         |      | .7    | 2.9                   |
| WSW                     | .7    | .6    | .6     |         |         |         |         |         |         |         |      | 2.0   | 4.7                   |
| W                       | 2.3   | 3.9   | 3.7    | .0      |         |         |         |         |         |         |      | 10.0  | 5.5                   |
| WNW                     | 2.6   | 5.6   | 6.2    | .7      | .1      |         |         |         |         |         |      | 15.1  | 6.3                   |
| NW                      | 4.0   | 8.1   | 10.6   | 3.2     | .2      |         |         |         |         |         |      | 26.1  | 7.0                   |
| NNW                     | 3.2   | 6.6   | 6.5    | 2.3     | .2      |         |         |         |         |         |      | 18.8  | 6.8                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 14.8  |                       |
|                         | 20.5  | 29.0  | 28.7   | 6.5     | .5      |         |         |         |         |         |      | 100.0 | 5.2                   |

TOTAL NUMBER OF OBSERVATIONS 5077

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/VAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

67-70, 73, 78  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 5.8   | 5.3   | .9     | .0      |         |         |         |         |         |         |      | 12.6  | 4.3                   |
| NNE                     | 2.8   | .4    |        |         |         |         |         |         |         |         |      | 3.2   | 2.5                   |
| NE                      | .9    | .4    |        |         |         |         |         |         |         |         |      | 1.3   | 2.8                   |
| ENE                     | 1.1   |       |        |         |         |         |         |         |         |         |      | 1.1   | 2.0                   |
| E                       | 1.7   |       |        |         |         |         |         |         |         |         |      | 1.7   | 2.0                   |
| ESE                     | 1.1   | 1.3   | .2     |         |         |         |         |         |         |         |      | 2.6   | 3.8                   |
| SE                      | 1.7   | .2    |        |         |         |         |         |         |         |         |      | 1.9   | 2.7                   |
| SSE                     | .2    | .2    |        |         |         |         |         |         |         |         |      | .4    | 3.0                   |
| S                       | .4    |       |        |         |         |         |         |         |         |         |      | .4    | 2.0                   |
| SSW                     | .0    |       |        |         |         |         |         |         |         |         |      | .6    | 1.3                   |
| SW                      | .2    | .2    |        |         |         |         |         |         |         |         |      | .4    | 3.0                   |
| WSW                     | 1.1   | .2    |        |         |         |         |         |         |         |         |      | 1.3   | 2.7                   |
| W                       | 1.5   | .6    |        |         |         |         |         |         |         |         |      | 2.1   | 2.7                   |
| WNW                     | 1.3   | 1.1   | .2     | .2      |         |         |         |         |         |         |      | 2.8   | 4.2                   |
| NW                      | 4.7   | 5.6   | 3.6    | .4      |         |         |         |         |         |         |      | 14.3  | 5.1                   |
| NNW                     | 5.1   | 9.6   | 1.9    | .0      |         |         |         |         |         |         |      | 17.3  | 4.8                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 35.9  |                       |
|                         | 30.1  | 25.2  | 6.8    | 1.9     |         |         |         |         |         |         |      | 100.0 | 2.7                   |

TOTAL NUMBER OF OBSERVATIONS 468

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

67-70, 73, 78  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 3.9   | 4.5   | .2     |         |         |         |         |         |         |         |      | 8.6   | 3.8                   |
| NNE                     | 3.4   | .2    |        |         |         |         |         |         |         |         |      | 3.6   | 2.0                   |
| NE                      | 2.1   | .2    |        |         |         |         |         |         |         |         |      | 2.4   | 2.5                   |
| ENE                     | 1.3   |       |        |         |         |         |         |         |         |         |      | 1.3   | 2.3                   |
| E                       | 1.9   | .9    |        |         |         |         |         |         |         |         |      | 2.8   | 3.0                   |
| ESE                     | .6    | .6    |        |         |         |         |         |         |         |         |      | 1.3   | 3.7                   |
| SE                      | 2.1   | 1.9   |        |         |         |         |         |         |         |         |      | 4.1   | 3.4                   |
| SSE                     | 1.9   | .4    |        |         |         |         |         |         |         |         |      | 2.4   | 2.5                   |
| S                       | .2    |       |        |         |         |         |         |         |         |         |      | .2    | 2.0                   |
| SSW                     | .2    | .2    |        |         |         |         |         |         |         |         |      | .4    | 2.5                   |
| SW                      | .6    | .2    |        |         |         |         |         |         |         |         |      | .9    | 2.5                   |
| WSW                     | .9    |       |        |         |         |         |         |         |         |         |      | .9    | 2.3                   |
| W                       | 2.6   | 1.1   |        |         |         |         |         |         |         |         |      | 3.6   | 2.6                   |
| WNW                     | 1.9   | 3.0   | .6     |         |         |         |         |         |         |         |      | 5.6   | 4.0                   |
| NW                      | 3.4   | 4.7   | 2.4    |         |         |         |         |         |         |         |      | 10.5  | 4.4                   |
| NNW                     | 4.1   | 5.2   | 2.4    | .2      |         |         |         |         |         |         |      | 11.8  | 4.8                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 39.7  |                       |
|                         | 31.3  | 23.2  | 5.6    | .2      |         |         |         |         |         |         |      | 100.0 | 2.2                   |

TOTAL NUMBER OF OBSERVATIONS

466

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

57-70, 73-78  
YEARS

AUG  
MONTH

ALL WFA, THE  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 0.0   | 2.6   | .2     | .4      |         |         |         |         |         |         |      | 10.1  | 3.5                   |
| NNE                     | 2.4   | .5    |        |         |         |         |         |         |         |         |      | 3.0   | 2.4                   |
| NE                      | .8    | .1    |        |         |         |         |         |         |         |         |      | .9    | 2.7                   |
| ENE                     | 1.2   |       |        |         |         |         |         |         |         |         |      | 1.2   | 1.9                   |
| E                       | .7    | .5    |        |         |         |         |         |         |         |         |      | 1.2   | 3.4                   |
| ESE                     | .9    | .5    |        |         |         |         |         |         |         |         |      | 1.5   | 2.7                   |
| SE                      | 1.1   | .4    | .2     |         |         |         |         |         |         |         |      | 1.8   | 3.5                   |
| SSE                     | 1.1   | .5    | .1     |         |         |         |         |         |         |         |      | 1.8   | 2.9                   |
| S                       | .8    | .1    |        |         |         |         |         |         |         |         |      | .9    | 2.7                   |
| SSW                     | .7    | .1    |        |         |         |         |         |         |         |         |      | .8    | 2.5                   |
| SW                      | .7    |       |        |         |         |         |         |         |         |         |      | .7    | 2.4                   |
| WSW                     | .7    | .1    |        |         |         |         |         |         |         |         |      | 1.1   | 2.1                   |
| W                       | 3.0   | .9    |        |         |         |         |         |         |         |         |      | 3.9   | 2.6                   |
| WNW                     | 2.8   | 1.4   | .3     |         |         |         |         |         |         |         |      | 4.5   | 3.2                   |
| NW                      | 5.3   | 3.8   | 1.4    | .4      |         |         |         |         |         |         |      | 10.8  | 4.1                   |
| NNW                     | 3.9   | 3.5   | 1.0    | .4      | .1      |         |         |         |         |         |      | 9.7   | 4.8                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 46.0  |                       |
|                         | 33.0  | 15.3  | 6.3    | 1.2     | .1      |         |         |         |         |         |      | 100.0 | 1.9                   |

TOTAL NUMBER OF OBSERVATIONS

739

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA 57-70.73-78 YEARS AUG MONTH 0900-1100 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N                 | 2.2   | 1.3   | .6     |         |         |         |         |         |         |         |      | 4.1   | 3.7             |
| NNE               | .4    | .2    |        |         |         |         |         |         |         |         |      | .6    | 2.6             |
| NE                |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| ENE               |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| E                 | .4    |       |        |         |         |         |         |         |         |         |      | .4    | 2.3             |
| ESE               | .1    |       |        |         |         |         |         |         |         |         |      | .1    | 3.0             |
| SE                | .2    |       | .2     | .1      |         |         |         |         |         |         |      | .6    | 7.2             |
| SSE               |       | .1    | .2     |         |         |         |         |         |         |         |      | .4    | 7.3             |
| S                 | .6    |       | .1     |         |         |         |         |         |         |         |      | .7    | 3.0             |
| SSW               | .1    |       | .1     |         |         |         |         |         |         |         |      | .2    | 5.5             |
| SW                | 1.0   | .5    | .1     |         |         |         |         |         |         |         |      | 1.6   | 3.4             |
| WSW               | 2.0   | 2.3   | .8     |         |         |         |         |         |         |         |      | 5.2   | 4.3             |
| W                 | 4.9   | 8.2   | 2.9    |         |         |         |         |         |         |         |      | 16.0  | 4.6             |
| WNW               | 5.3   | 8.1   | 5.2    | 1.0     |         |         |         |         |         |         |      | 20.1  | 5.6             |
| NW                | 5.1   | 10.0  | 8.2    | 2.0     | .1      |         |         |         |         |         |      | 25.4  | 6.2             |
| NNW               | 4.1   | 4.6   | 4.2    | 2.4     | .4      |         |         |         |         |         |      | 15.6  | 6.7             |
| VARBL             |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| CALM              |       |       |        |         |         |         |         |         |         |         |      | 9.0   |                 |
|                   | 26.4  | 35.3  | 22.7   | 6.1     | .5      |         |         |         |         |         |      | 100.0 | 5.0             |

TOTAL NUMBER OF OBSERVATIONS 831

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 93214 VANDENBERG AFB CA STATION NAME 57-70.73-78 YEARS 1200-1400 MONTH 1200-1400  
CLASS ALL WEATHER  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .2    | .1     | .1      |         |         |         |         |         |         |      | .5    | 7.3                   |
| NNE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| NE                      |       |       |        | .1      |         |         |         |         |         |         |      | .1    | 13.0                  |
| ENE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| E                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| ESE                     |       |       | .1     |         |         |         |         |         |         |         |      | .1    | 8.0                   |
| SE                      |       |       | .2     |         |         |         |         |         |         |         |      | .2    | 7.5                   |
| SSE                     |       |       | .1     | .2      |         |         |         |         |         |         |      | .4    | 12.3                  |
| S                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SSW                     |       | .1    | .1     |         |         |         |         |         |         |         |      | .2    | 6.0                   |
| SW                      |       | .1    | .2     |         |         |         |         |         |         |         |      | .4    | 7.3                   |
| WSW                     |       | .4    | 1.6    |         |         |         |         |         |         |         |      | 1.9   | 7.4                   |
| W                       | 1.5   | 5.6   | 11.0   | .6      |         |         |         |         |         |         |      | 19.2  | 6.9                   |
| WNW                     | 1.0   | 7.4   | 14.4   | 4.6     | .1      |         |         |         |         |         |      | 27.8  | 7.8                   |
| NW                      | 2.2   | 7.6   | 17.7   | 8.2     | .7      | .1      |         |         |         |         |      | 36.6  | 8.6                   |
| NNW                     | .2    | 1.7   | 6.7    | 2.7     | .6      | .2      |         |         |         |         |      | 12.6  | 9.9                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 6.4   | 23.2  | 52.4   | 16.2    | 1.5     | .4      |         |         |         |         |      | 100.0 | 8.2                   |

TOTAL NUMBER OF OBSERVATIONS 825



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAF

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 93214 STATION NAME VANDENBERG AFB CA YEARS 57-70, 73-78 MONTH Aug  
CLASS ALL WEATHER HOURS (L.S.T.) 1500-1700  
CONDITION \_\_\_\_\_

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .5    |        |         |         |         |         |         |         |         |      | .5    | 5.5                   |
| NNE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| NE                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| ENE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| E                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| ESE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SE                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SSE                     |       |       | .1     |         |         |         |         |         |         |         |      | .1    | 7.0                   |
| S                       |       |       | .1     |         |         |         |         |         |         |         |      | .1    | 12.0                  |
| SSW                     |       | .1    |        |         |         |         |         |         |         |         |      | .1    | 4.0                   |
| SW                      |       | .1    | .1     |         |         |         |         |         |         |         |      | .3    | 6.5                   |
| WSW                     | .1    |       | .5     |         |         |         |         |         |         |         |      | .7    | 8.2                   |
| W                       | 2.3   | 3.8   | 3.7    | .3      |         |         |         |         |         |         |      | 10.0  | 5.7                   |
| WNW                     | 1.5   | 3.3   | 12.6   | 2.0     |         |         |         |         |         |         |      | 21.4  | 7.5                   |
| NW                      | 3.4   | 11.1  | 23.7   | 9.0     | 1.1     |         |         |         |         |         |      | 48.4  | 8.4                   |
| NNW                     | .9    | 3.7   | 7.0    | 4.3     | 1.4     | .3      |         |         |         |         |      | 18.2  | 9.6                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 8.3   | 24.7  | 48.7   | 15.0    | 2.4     | .3      |         |         |         |         |      | 100.0 | 8.1                   |

TOTAL NUMBER OF OBSERVATIONS 737

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA STATION NAME 57-70.73-74 YEARS AUG MONTH 1800-2000 HOURS (L.S.T.)  
CLASS ALL WEATHER  
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N                 | 3.2   | 4.3   | .7     | .4      |         |         |         |         |         |         |      | 8.6   | 4.5             |
| NNE               | .2    | .4    |        |         |         |         |         |         |         |         |      | .9    | 2.0             |
| NE                | .2    |       |        |         |         |         |         |         |         |         |      | .2    | 1.0             |
| ENE               |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| E                 |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| ESE               |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| SE                |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| SSE               |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| S                 |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| SSW               |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| SW                |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| WSW               |       | .2    |        |         |         |         |         |         |         |         |      | .2    | 5.0             |
| W                 | 1.3   | 1.6   | .2     |         |         |         |         |         |         |         |      | 3.0   | 3.7             |
| WNW               | 1.3   | 2.7   | 2.0    | .2      |         |         |         |         |         |         |      | 6.1   | 5.6             |
| NW                | 7.0   | 13.8  | 12.2   | 3.2     |         |         |         |         |         |         |      | 36.2  | 6.2             |
| NNW               | 5.7   | 22.2  | 9.1    | 3.2     | .2      |         |         |         |         |         |      | 40.7  | 6.0             |
| VARBL             |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| CALM              |       |       |        |         |         |         |         |         |         |         |      | 4.1   |                 |
|                   | 19.4  | 45.2  | 24.2   | 7.6     | .2      |         |         |         |         |         |      | 100.0 | 5.6             |

TOTAL NUMBER OF OBSERVATIONS 528

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23214 STATION VANDENBERG AFB CA 51-70.73-74.78 40. NORTH  
ALL WINDS CLAS  
2100-2100 HOURS (LST)  
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N                 | 10.4  | 0.1   | 1.9    | 0.1     |         |         |         |         |         |         |      | 18.7  | 2.4             |
| NNE               | 3.6   | 1.3   |        |         |         |         |         |         |         |         |      | 4.9   | 2.7             |
| NE                | 0.3   |       |        |         |         |         |         |         |         |         |      | 0.3   | 2.2             |
| ENE               | 0.3   |       |        |         |         |         |         |         |         |         |      | 0.6   | 2.7             |
| E                 | 0.7   | 0.2   |        |         |         |         |         |         |         |         |      | 1.0   | 2.5             |
| ESE               | 1.1   | 0.2   |        |         |         |         |         |         |         |         |      | 1.3   | 2.7             |
| SE                | 0.4   | 0.2   |        |         |         |         |         |         |         |         |      | 0.6   | 3.0             |
| SSE               | 0.6   |       |        |         |         |         |         |         |         |         |      | 0.6   | 2.7             |
| S                 | 0.6   |       |        |         |         |         |         |         |         |         |      | 0.6   | 2.7             |
| SSW               | 0.2   |       |        |         |         |         |         |         |         |         |      | 0.2   | 3.0             |
| SW                | 0.2   |       |        |         |         |         |         |         |         |         |      | 0.2   | 2.0             |
| WSW               | 0.2   |       |        |         |         |         |         |         |         |         |      | 0.2   | 2.0             |
| W                 | 0.0   |       |        |         |         |         |         |         |         |         |      | 0.0   | 2.0             |
| WNW               | 0.0   | 0.4   | 0.0    |         |         |         |         |         |         |         |      | 1.5   | 5.1             |
| NW                | 5.5   | 4.4   | 4.2    | 0.1     |         |         |         |         |         |         |      | 15.7  | 5.3             |
| NNW               | 10.6  | 12.3  | 4.2    | 0.0     | 0.4     |         |         |         |         |         |      | 23.4  | 4.4             |
| VARBL             |       |       |        |         |         |         |         |         |         |         |      | 23.0  |                 |
| CALM              |       |       |        |         |         |         |         |         |         |         |      |       |                 |
|                   | 37.3  | 25.0  | 11.6   | 1.9     | 0.4     |         |         |         |         |         |      | 100.0 | 3.3             |

TOTAL NUMBER OF OBSERVATIONS 524

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDERBILT AFB GA 67-70, 71-78 YEARS  
STATION NAME CLASS ALL W. T. H. NORTH ALL MOVES (L. S. T.)  
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N                 | 3.0   | 2.7   | 0.6    | 0.4     |         |         |         |         |         |         |      | 7.0   | 1.0             |
| NNE               | 1.4   | 0.3   |        |         |         |         |         |         |         |         |      | 1.7   | 2.4             |
| NE                | 0.5   | 0.1   |        | 0.0     |         |         |         |         |         |         |      | 0.6   | 2.8             |
| ENE               | 0.4   |       |        |         |         |         |         |         |         |         |      | 0.4   | 2.1             |
| E                 | 0.6   | 0.2   |        |         |         |         |         |         |         |         |      | 0.8   | 2.8             |
| ESE               | 0.4   | 0.3   | 0.0    |         |         |         |         |         |         |         |      | 0.7   | 2.4             |
| SE                | 0.0   | 0.3   | 0.1    | 0.0     |         |         |         |         |         |         |      | 1.0   | 3.0             |
| SSE               | 0.4   | 0.2   | 0.1    | 0.0     |         |         |         |         |         |         |      | 0.7   | 4.0             |
| S                 | 0.3   | 0.0   | 0.0    |         |         |         |         |         |         |         |      | 0.4   | 3.1             |
| SSW               | 0.2   | 0.1   | 0.0    |         |         |         |         |         |         |         |      | 0.3   | 3.2             |
| SW                | 0.3   | 0.2   | 0.1    |         |         |         |         |         |         |         |      | 0.6   | 3.0             |
| WSW               | 0.7   | 0.5   | 0.2    |         |         |         |         |         |         |         |      | 1.6   | 4.7             |
| W                 | 2.4   | 3.2   | 2.0    | 0.1     |         |         |         |         |         |         |      | 9.6   | 5.3             |
| WNW               | 2.3   | 4.1   | 3.3    | 1.2     | 0.0     |         |         |         |         |         |      | 13.0  | 6.6             |
| NW                | 4.5   | 7.8   | 10.1   | 3.5     | 0.3     | 0.0     |         |         |         |         |      | 26.2  | 7.0             |
| NNW               | 4.0   | 7.0   | 4.9    | 2.0     | 0.4     | 0.1     |         |         |         |         |      | 18.5  | 6.0             |
| VARBL             |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| CALM              |       |       |        |         |         |         |         |         |         |         |      | 17.8  |                 |
|                   | 22.7  | 27.0  | 24.0   | 7.1     | 0.7     | 0.1     |         |         |         |         |      | 100.0 | 4.9             |

TOTAL NUMBER OF OBSERVATIONS 5152

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214  
STATION

VALENDERG AFB CA  
STATION NAME

67-70  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0000-0000  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 6.4   | 2.2   | 1.1    |         |         |         |         |         |         |         |      | 9.7   | 3.4                   |
| NNE                     | 1.7   | 2.2   |        |         |         |         |         |         |         |         |      | 3.9   | 3.7                   |
| NE                      | 2.8   | .3    | .3     |         |         |         |         |         |         |         |      | 3.3   | 2.6                   |
| ENE                     | 1.4   | .6    |        |         |         |         |         |         |         |         |      | 1.9   | 2.7                   |
| E                       | 3.4   | 3.3   | .6     |         |         |         |         |         |         |         |      | 8.1   | 3.9                   |
| ESE                     | 2.8   | 4.2   | 1.9    |         |         |         |         |         |         |         |      | 11.9  | 3.9                   |
| SE                      | 2.5   | .3    | .3     |         |         |         |         |         |         |         |      | 3.1   | 3.1                   |
| SSE                     | .6    |       |        |         |         |         |         |         |         |         |      | .9    | 2.3                   |
| S                       | .0    |       |        |         |         |         |         |         |         |         |      | .8    | 2.3                   |
| SSW                     |       | .6    |        |         |         |         |         |         |         |         |      | .6    | 4.0                   |
| SW                      | 1.1   |       |        |         |         |         |         |         |         |         |      | 1.1   | 1.0                   |
| WSW                     | .3    |       |        |         |         |         |         |         |         |         |      | .3    | 3.0                   |
| W                       | .1    | .6    |        |         |         |         |         |         |         |         |      | .8    | 3.3                   |
| WNW                     | 1.7   | .8    |        | .3      |         |         |         |         |         |         |      | 2.8   | 3.6                   |
| NW                      | 3.3   | 3.3   | 2.5    | .3      |         |         |         |         |         |         |      | 9.4   | 5.1                   |
| NNW                     | 2.5   | 9.1   | 2.5    | .0      |         |         |         |         |         |         |      | 11.7  | 5.3                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 29.7  |                       |
|                         | 25.3  | 24.4  | 9.4    | 1.1     |         |         |         |         |         |         |      | 100.0 | 2.8                   |

TOTAL NUMBER OF OBSERVATIONS 360

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA STATION NAME 67-70 YEARS  
ALL WEATHER CLASS  
0300-0500 MONTH SEP  
HOURS (L.S.T.)  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 4.4   | 2.8   | .0     | .3      |         |         |         |         |         |         |      | 9.1   | 3.8                   |
| NNE                     | 2.2   | 1.1   |        |         |         |         |         |         |         |         |      | 3.6   | 2.8                   |
| NE                      | 1.7   | .8    |        |         |         |         |         |         |         |         |      | 2.5   | 2.9                   |
| ENE                     | 1.4   | .3    |        |         |         |         |         |         |         |         |      | 1.7   | 2.7                   |
| E                       | 3.2   | 3.1   | .8     |         |         |         |         |         |         |         |      | 7.2   | 3.7                   |
| ESE                     | 6.1   | 4.7   | 4.2    |         |         |         |         |         |         |         |      | 15.0  | 4.5                   |
| SE                      | 2.2   | .8    |        |         |         |         |         |         |         |         |      | 3.3   | 2.8                   |
| SSE                     | 1.9   | .6    |        |         |         |         |         |         |         |         |      | 2.5   | 2.6                   |
| S                       | 1.1   | .6    |        |         |         |         |         |         |         |         |      | 1.7   | 2.7                   |
| SSW                     | .6    |       |        |         |         |         |         |         |         |         |      | .6    | 2.0                   |
| SW                      | .0    |       |        |         |         |         |         |         |         |         |      | .6    | 1.5                   |
| WSW                     | 1.7   |       |        |         |         |         |         |         |         |         |      | 1.7   | 2.2                   |
| W                       | 1.7   |       | .3     |         |         |         |         |         |         |         |      | 1.9   | 2.6                   |
| WNW                     | 1.9   | 1.1   | .3     |         |         |         |         |         |         |         |      | 3.3   | 3.4                   |
| NW                      | 4.2   | 1.9   | .8     |         |         |         |         |         |         |         |      | 6.9   | 3.8                   |
| NNW                     | 3.6   | 4.2   | 1.9    | .0      |         |         |         |         |         |         |      | 10.6  | 5.2                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 28.9  |                       |
|                         | 39.2  | 21.9  | 8.9    | 1.1     |         |         |         |         |         |         |      | 100.0 | 2.7                   |

TOTAL NUMBER OF OBSERVATIONS 360

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA STATION NAME 67-70, 73-78 YEARS SEP MONTH  
ALL WEATHER CLASS 0600-0800 HOURS (L.S.T.)  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 2.5   | 2.2   | .8     | .6      |         |         |         |         |         |         |      | 7.2   | 4.5                   |
| NNE                     | 2.2   | 1.4   | .1     |         |         |         |         |         |         |         |      | 4.1   | 3.1                   |
| NE                      | 1.4   | .6    |        |         |         |         |         |         |         |         |      | 2.0   | 2.9                   |
| ENE                     | 1.0   | .1    |        |         |         |         |         |         |         |         |      | 1.1   | 2.3                   |
| E                       | 2.0   | 2.0   | .1     |         |         |         |         |         |         |         |      | 4.1   | 3.6                   |
| ESE                     | 3.2   | 4.1   | 2.2    |         |         |         |         |         |         |         |      | 9.6   | 4.6                   |
| SE                      | 3.5   | 1.5   | .4     | .1      |         |         |         |         |         |         |      | 5.8   | 3.5                   |
| SSE                     | 1.7   | .1    |        |         |         |         |         |         |         |         |      | 1.8   | 2.5                   |
| S                       | .4    | .1    |        |         |         |         |         |         |         |         |      | .6    | 2.8                   |
| SSW                     | 1.3   | .3    |        |         |         |         |         |         |         |         |      | 1.5   | 2.4                   |
| SW                      | .6    | .4    |        |         |         |         |         |         |         |         |      | 1.0   | 3.1                   |
| WSW                     | 1.1   | .1    | .1     |         |         |         |         |         |         |         |      | 1.4   | 2.9                   |
| W                       | 2.5   | 1.4   |        |         |         |         |         |         |         |         |      | 3.9   | 2.8                   |
| WNW                     | 1.5   | 1.0   | .3     |         |         |         |         |         |         |         |      | 2.8   | 3.7                   |
| NW                      | 3.1   | 3.5   | 1.1    | .1      |         |         |         |         |         |         |      | 7.9   | 4.3                   |
| NNW                     | 3.4   | 2.7   | 2.7    | .6      |         |         |         |         |         |         |      | 9.3   | 5.4                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 36.1  |                       |
|                         | 32.7  | 21.6  | 8.0    | 1.5     |         |         |         |         |         |         |      | 100.0 | 2.5                   |

TOTAL NUMBER OF OBSERVATIONS 712

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

94214 STATION VANDENBERG AFB CA 67-70, 73-78 YEARS SEP MONTH 0900-1100 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.4   | .6    | .8     | .1      | .1      |         |         |         |         |         |      | 3.0   | 5.3                   |
| NNE                     | .6    | .1    | .5     | .4      |         |         |         |         |         |         |      | 1.6   | 6.2                   |
| NE                      | .3    | .1    | .4     |         |         |         |         |         |         |         |      | .8    | 5.2                   |
| ENE                     |       | .1    |        |         |         |         |         |         |         |         |      | .1    | 4.0                   |
| E                       |       | .1    |        |         |         |         |         |         |         |         |      | .1    | 6.0                   |
| ESE                     | .6    | .6    | .3     | .1      |         |         |         |         |         |         |      | 1.6   | 4.5                   |
| SE                      | 1.1   | .9    | .8     | .1      |         |         |         |         |         |         |      | 2.9   | 4.8                   |
| SSE                     | .1    | .4    |        |         |         |         |         |         |         |         |      | .5    | 5.0                   |
| S                       | .3    | .4    | .5     |         |         |         |         |         |         |         |      | 1.1   | 5.7                   |
| SSW                     |       | .6    | .4     |         |         |         |         |         |         |         |      | 1.0   | 5.8                   |
| SW                      | 1.1   | 1.1   |        |         |         |         |         |         |         |         |      | 2.3   | 3.6                   |
| WSW                     | 1.5   | 3.8   | 1.0    |         |         |         |         |         |         |         |      | 6.3   | 4.9                   |
| W                       | 5.0   | 7.3   | 4.2    |         |         |         |         |         |         |         |      | 16.5  | 4.8                   |
| WNW                     | 4.2   | 6.8   | 3.5    | .8      |         |         |         |         |         |         |      | 15.2  | 5.2                   |
| NW                      | 3.8   | 7.7   | 6.2    | 3.4     |         |         |         |         |         |         |      | 21.0  | 6.8                   |
| NNW                     | 2.3   | 4.2   | 3.8    | 2.3     | .4      |         |         |         |         |         |      | 12.8  | 7.3                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 13.0  |                       |
|                         | 22.3  | 34.9  | 22.2   | 7.4     | .5      |         |         |         |         |         |      | 100.0 | 5.0                   |

TOTAL NUMBER OF OBSERVATIONS 794



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

67-70, 73-78  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .1    | .1    |        |         |         |         |         |         |         |         |      | .3    | 3.5                   |
| NNE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| NE                      |       |       | .1     |         |         |         |         |         |         |         |      | .1    | 7.0                   |
| ENE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| E                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| ESE                     |       | .1    |        |         |         |         |         |         |         |         |      | .1    | 6.0                   |
| SE                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SSE                     | .1    |       | .5     | .5      |         |         |         |         |         |         |      | 1.1   | 10.0                  |
| S                       | .1    |       |        | .1      |         |         |         |         |         |         |      | .3    | 7.5                   |
| SSW                     |       |       | .1     | .1      |         |         |         |         |         |         |      | .3    | 10.0                  |
| SW                      |       | .4    | .9     | .4      |         |         |         |         |         |         |      | 1.6   | 8.3                   |
| WSW                     | .1    | 1.4   | 2.0    | .6      |         |         |         |         |         |         |      | 4.2   | 7.4                   |
| W                       | 1.6   | 7.7   | 10.3   | .6      |         |         |         |         |         |         |      | 20.3  | 6.6                   |
| WNW                     | 1.4   | 9.4   | 11.3   | 3.0     | .1      |         |         |         |         |         |      | 25.3  | 7.4                   |
| NW                      | 1.6   | 10.4  | 16.4   | 6.9     | 1.0     | .1      |         |         |         |         |      | 36.6  | 8.3                   |
| NNW                     | .4    | 2.0   | 2.5    | 4.0     | .9      |         |         |         |         |         |      | 9.8   | 10.4                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | .1    |                       |
|                         | 5.7   | 31.6  | 44.2   | 16.4    | 2.0     | .1      |         |         |         |         |      | 100.0 | 7.9                   |

TOTAL NUMBER OF OBSERVATIONS 795

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 93214 VANDENBERG AFB CA STATION NAME 07-70, 73-78 YEARS SEP  
CLASS ALL WEATHER MONTH 1500-1700  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .4    | .4    | .0     | .1      |         |         |         |         |         |         |      | 1.3   | 5.7                   |
| NNE                     |       | .1    |        |         |         |         |         |         |         |         |      | .1    | 5.0                   |
| NE                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| ENE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| E                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| ESE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SE                      |       | .3    |        |         |         |         |         |         |         |         |      | .3    | 5.5                   |
| SSE                     |       |       | .1     |         |         |         |         |         |         |         |      | .1    | 10.0                  |
| S                       |       | .1    |        | .1      |         |         |         |         |         |         |      | .3    | 9.0                   |
| SSW                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SW                      |       |       | .2     | .3      |         |         |         |         |         |         |      | .6    | 10.3                  |
| WSW                     | .1    | .7    | 1.4    | .2      |         |         |         |         |         |         |      | 2.5   | 7.3                   |
| W                       | .4    | 5.8   | 3.8    |         |         |         |         |         |         |         |      | 10.5  | 6.0                   |
| WNW                     | 1.4   | 7.5   | 7.6    | 2.3     | .1      |         |         |         |         |         |      | 19.0  | 7.2                   |
| NW                      | 2.7   | 14.2  | 17.4   | 7.6     | .6      |         |         |         |         |         |      | 41.4  | 8.0                   |
| NNW                     | 1.4   | 4.7   | 9.5    | 3.2     | 2.1     | .3      |         |         |         |         |      | 23.2  | 9.5                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | .4    |                       |
|                         | 6.9   | 32.8  | 40.7   | 16.0    | 2.8     | .3      |         |         |         |         |      | 100.0 | 7.9                   |

TOTAL NUMBER OF OBSERVATIONS 707

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 93214 VANDENBERG AFB CA 57-70.73-74 57 74 SEP  
STATION NAME YEARS MONTH  
CLASS ALL WEATHER 1800-2000  
HOURS (L.S.T.)  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 0.3   | 4.3   | 1.1    | 0.0     |         |         |         |         |         |         |      | 12.2  | 4.1                   |
| NNE                     | 2.6   | 0.7   |        |         |         |         |         |         |         |         |      | 3.0   | 2.7                   |
| NE                      | 0.0   |       |        |         |         |         |         |         |         |         |      | 0.6   | 2.0                   |
| ENE                     | 0.0   |       |        |         |         |         |         |         |         |         |      | 0.9   | 2.2                   |
| E                       | 0.9   | 0.2   |        |         |         |         |         |         |         |         |      | 1.1   | 2.7                   |
| ESE                     |       | 0.6   |        |         |         |         |         |         |         |         |      | 0.6   | 4.7                   |
| SE                      | 0.6   | 0.2   |        |         |         |         |         |         |         |         |      | 0.7   | 3.0                   |
| SSE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| S                       | 0.2   |       |        |         |         |         |         |         |         |         |      | 0.2   | 2.0                   |
| SSW                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SW                      | 0.2   | 0.4   | 0.2    |         |         |         |         |         |         |         |      | 0.7   | 5.3                   |
| WSW                     | 0.4   |       |        |         |         |         |         |         |         |         |      | 0.4   | 2.5                   |
| W                       | 1.1   | 0.7   |        |         |         |         |         |         |         |         |      | 1.9   | 3.2                   |
| WNW                     | 2.0   | 1.9   | 0.7    | 0.2     |         |         |         |         |         |         |      | 5.4   | 4.3                   |
| NW                      | 3.7   | 11.5  | 7.2    | 3.0     |         |         |         |         |         |         |      | 25.4  | 6.6                   |
| NNW                     | 7.2   | 15.2  | 10.4   | 2.2     | 0.2     |         |         |         |         |         |      | 35.2  | 5.9                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 11.9  |                       |
|                         | 26.4  | 35.6  | 19.6   | 5.4     | 0.2     |         |         |         |         |         |      | 100.0 | 4.8                   |

TOTAL NUMBER OF OBSERVATIONS 540

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94214  
STATION

VANDENBERG AFB CA  
STATION NAME

57-70, 73-74  
YEARS

SEP  
MONTH

ALL WFTHEA  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 5.0   | 1.9   | 1.0    |         |         |         |         |         |         |         |      | 8.7   | 3.4                   |
| NNE                     | 3.5   | 1.9   |        |         |         |         |         |         |         |         |      | 5.4   | 3.2                   |
| NE                      | 1.9   |       |        |         |         |         |         |         |         |         |      | 1.9   | 2.0                   |
| ENE                     | 1.0   |       |        |         |         |         |         |         |         |         |      | 1.0   | 2.0                   |
| E                       | 4.8   | 2.1   |        |         |         |         |         |         |         |         |      | 6.9   | 3.0                   |
| ESE                     | 2.1   | 2.1   | .2     |         |         |         |         |         |         |         |      | 4.4   | 3.0                   |
| SE                      | 2.1   | 1.0   |        |         |         |         |         |         |         |         |      | 3.1   | 2.8                   |
| SSE                     | .4    | .8    |        |         |         |         |         |         |         |         |      | 1.2   | 3.5                   |
| S                       | .6    |       |        |         |         |         |         |         |         |         |      | .6    | 2.0                   |
| SSW                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SW                      | .4    |       |        |         |         |         |         |         |         |         |      | .4    | 2.5                   |
| WSW                     | .0    |       |        |         |         |         |         |         |         |         |      | .6    | 2.7                   |
| W                       | .6    | .4    |        |         |         |         |         |         |         |         |      | 1.0   | 3.2                   |
| WNW                     | 1.5   | 1.7   | .2     |         |         |         |         |         |         |         |      | 3.3   | 3.9                   |
| NW                      | 4.0   | 4.4   | 2.5    | .8      |         |         |         |         |         |         |      | 12.3  | 4.9                   |
| NNW                     | 6.2   | 7.7   | 7.5    | .4      |         |         |         |         |         |         |      | 21.8  | 5.6                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 27.2  |                       |
|                         | 36.2  | 23.9  | 11.4   | 1.2     |         |         |         |         |         |         |      | 100.0 | 3.0                   |

TOTAL NUMBER OF OBSERVATIONS 481

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

67-70, 73-78  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.0   | 1.6   | .7     | .2      | .0      |         |         |         |         |         |      | 5.5   | 4.1                   |
| NNE                     | 1.4   | .8    | .1     | .1      |         |         |         |         |         |         |      | 2.4   | 3.5                   |
| NE                      | .8    | .2    | .1     |         |         |         |         |         |         |         |      | 1.1   | 2.9                   |
| ENE                     | .0    | .1    |        |         |         |         |         |         |         |         |      | .7    | 2.4                   |
| E                       | 1.4   | 1.0   | .1     |         |         |         |         |         |         |         |      | 2.6   | 3.5                   |
| ESE                     | 1.7   | 1.7   | .9     | .0      |         |         |         |         |         |         |      | 4.3   | 4.3                   |
| SE                      | 1.4   | .6    | .2     | .1      |         |         |         |         |         |         |      | 2.3   | 3.6                   |
| SSE                     | .5    | .2    | .1     | .1      |         |         |         |         |         |         |      | .9    | 4.5                   |
| S                       | .4    | .1    | .1     | .0      |         |         |         |         |         |         |      | .6    | 4.2                   |
| SSW                     | .2    | .2    | .1     | .0      |         |         |         |         |         |         |      | .5    | 4.2                   |
| SW                      | .5    | .4    | .2     | .1      |         |         |         |         |         |         |      | 1.1   | 5.0                   |
| WSW                     | .7    | 1.0   | .7     | .1      |         |         |         |         |         |         |      | 2.6   | 5.5                   |
| W                       | 2.0   | 3.7   | 3.0    | .1      |         |         |         |         |         |         |      | 8.8   | 5.5                   |
| WNW                     | 2.1   | 4.5   | 3.8    | 1.0     | .0      |         |         |         |         |         |      | 11.4  | 6.3                   |
| NW                      | 3.2   | 7.7   | 7.9    | 3.3     | .3      | .0      |         |         |         |         |      | 22.4  | 7.1                   |
| NNW                     | 3.1   | 5.4   | 5.1    | 2.3     | .5      | .0      |         |         |         |         |      | 16.5  | 7.2                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 16.2  |                       |
|                         | 23.0  | 29.2  | 23.1   | 7.5     | .9      | .1      |         |         |         |         |      | 100.0 | 5.0                   |

TOTAL NUMBER OF OBSERVATIONS

4749

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA STATION NAME 67-70,77 YEARS  
JUL NORTH  
ALL WEATHER CLASS  
0000-0200 HOURS (L.S.T.)  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 2.6   | 3.1   | 2.3    | .5      | .4      |         |         |         |         |         |      | 8.9   | 5.0                   |
| NNE                     | 2.3   | .5    |        |         |         |         |         |         |         |         |      | 2.9   | 2.7                   |
| NE                      | 1.0   | 1.0   |        |         |         |         |         |         |         |         |      | 2.1   | 3.3                   |
| ENE                     | 1.0   | 1.0   |        |         |         |         |         |         |         |         |      | 2.1   | 3.0                   |
| E                       | 5.2   | 6.2   |        |         |         |         |         |         |         |         |      | 11.5  | 3.5                   |
| ESE                     | 6.0   | 10.7  | 5.5    |         |         |         |         |         |         |         |      | 22.1  | 4.8                   |
| SE                      | 2.9   | 4.9   | .3     |         |         |         |         |         |         |         |      | 8.1   | 3.7                   |
| SSE                     | 1.0   | .5    |        |         |         |         |         |         |         |         |      | 1.6   | 3.2                   |
| S                       | .5    | .5    |        |         |         |         |         |         |         |         |      | 1.3   | 3.4                   |
| SSW                     | .3    |       |        |         |         |         |         |         |         |         |      | .3    | 2.0                   |
| SW                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| WSW                     | .5    |       |        |         |         |         |         |         |         |         |      | .5    | 2.5                   |
| W                       | .6    |       |        |         |         |         |         |         |         |         |      | .8    | 2.3                   |
| WNW                     | .6    | 1.3   |        |         |         |         |         |         |         |         |      | 2.1   | 4.0                   |
| NW                      | 1.6   | 1.8   | 1.0    | .5      |         |         |         |         |         |         |      | 4.7   | 4.9                   |
| NNW                     | 1.6   | 5.2   | 4.7    | 1.0     |         |         |         |         |         |         |      | 13.0  | 6.7                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 18.2  |                       |
|                         | 28.4  | 37.0  | 13.8   | 2.3     | .4      |         |         |         |         |         |      | 100.0 | 3.8                   |

TOTAL NUMBER OF OBSERVATIONS 384

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93214 STATION VANDENBERG AFB CA 67-70, 77-78 YEARS OCT MONTH  
ALL WEATHER CLASS 0300-0600 HOURS (L.S.T.)  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 2.3   | 4.4   | .8     | 1.3     |         |         |         |         |         |         |      | 8.7   | 5.5                   |
| NNE                     | 2.1   | 1.5   | 1.0    | .4      |         |         |         |         |         |         |      | 4.9   | 4.6                   |
| NE                      | 1.8   | .8    |        |         |         |         |         |         |         |         |      | 2.6   | 2.8                   |
| ENE                     | 2.8   | .8    |        |         |         |         |         |         |         |         |      | 3.6   | 2.5                   |
| E                       | 5.1   | 5.6   | .5     |         |         |         |         |         |         |         |      | 11.3  | 3.7                   |
| ESE                     | 5.1   | 11.0  | 7.7    |         |         |         |         |         |         |         |      | 23.8  | 5.2                   |
| SE                      | 4.4   | 5.1   |        |         |         |         |         |         |         |         |      | 9.5   | 3.7                   |
| SSE                     | .5    | 1.0   |        |         |         |         |         |         |         |         |      | 1.5   | 4.2                   |
| S                       | 1.3   | .3    |        |         |         |         |         |         |         |         |      | 1.5   | 2.5                   |
| SSW                     | .3    |       |        |         |         |         |         |         |         |         |      | .3    | 3.0                   |
| SW                      | .3    |       |        |         |         |         |         |         |         |         |      | .3    | 2.0                   |
| WSW                     | .5    |       |        |         |         |         |         |         |         |         |      | .5    | 3.0                   |
| W                       |       | .3    |        |         |         |         |         |         |         |         |      | .3    | 4.0                   |
| WNW                     | .8    | 1.0   |        |         |         |         |         |         |         |         |      | 1.8   | 3.7                   |
| NW                      | .3    | 1.8   | .3     | .5      |         |         |         |         |         |         |      | 2.8   | 6.5                   |
| NNW                     | 1.6   | 3.3   | 4.0    | 1.0     |         |         |         |         |         |         |      | 10.8  | 6.9                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 15.9  |                       |
|                         | 24.2  | 36.9  | 14.9   | 3.1     |         |         |         |         |         |         |      | 100.0 | 4.0                   |

TOTAL NUMBER OF OBSERVATIONS 390

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA 57-70, 73-78 YEARS OCT NORTH  
ALL WE, THE CLASS 0600-0100 HOURS (L.S.T.)  
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N                 | 2.9   | 2.6   | 2.9    | .0      |         |         |         |         |         |         |      | 9.0   | 3.7             |
| NNE               | 2.9   | 1.5   | .8     | .7      |         |         |         |         |         |         |      | 5.9   | 5.0             |
| NE                | 1.2   | 1.0   |        | .1      |         |         |         |         |         |         |      | 2.4   | 3.8             |
| ENE               | 1.7   | 1.0   | .3     |         |         |         |         |         |         |         |      | 2.9   | 3.3             |
| E                 | 5.3   | 3.6   | .1     |         |         |         |         |         |         |         |      | 9.0   | 3.2             |
| ESE               | 6.5   | 9.4   | 5.5    |         |         |         |         |         |         |         |      | 21.4  | 4.7             |
| SE                | 4.3   | 5.7   | 1.7    |         |         |         |         |         |         |         |      | 11.6  | 4.3             |
| SSE               | 1.0   | .3    |        |         |         |         |         |         |         |         |      | 1.2   | 2.3             |
| S                 | .0    |       |        |         |         |         |         |         |         |         |      | .8    | 2.2             |
| SSW               | 1.2   | .1    |        |         |         |         |         |         |         |         |      | 1.4   | 2.3             |
| SW                | .1    |       |        |         |         |         |         |         |         |         |      | .1    | 2.0             |
| WSW               | .4    | .1    |        |         |         |         |         |         |         |         |      | .6    | 3.3             |
| W                 | .7    | .3    |        |         |         |         |         |         |         |         |      | 1.0   | 2.6             |
| WNW               | 1.0   |       | .1     | .1      |         |         |         |         |         |         |      | 1.2   | 4.0             |
| NW                | 1.5   | .8    | .1     | .1      |         |         |         |         |         |         |      | 2.6   | 3.7             |
| NNW               | 1.7   | 1.5   | 2.0    | .7      |         |         |         |         |         |         |      | 6.9   | 6.1             |
| VARBL             |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| CALM              |       |       |        |         |         |         |         |         |         |         |      | 21.9  |                 |
|                   | 33.5  | 27.9  | 14.4   | 2.4     |         |         |         |         |         |         |      | 100.0 | 3.5             |

TOTAL NUMBER OF OBSERVATIONS 723



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/NAF

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION WINDFIRE AFB CA YEARS 67-70, 73-78 MONTH ALL  
CLASS ALL at T  
CONDITION   
0900-1100 HOURS (LST)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.9   | 2.2   | 1.2    | .7      | .4      |         |         |         |         |         |      | 6.6   | 2.5                   |
| NNE                     | .2    | .6    | .5     | 1.6     |         |         |         |         |         |         |      | 2.9   | 2.5                   |
| NE                      | .2    |       |        | .1      |         |         |         |         |         |         |      | .4    | 4.7                   |
| ENE                     | .0    | .1    |        |         |         |         |         |         |         |         |      | .7    | 2.5                   |
| E                       | 1.4   | .1    |        |         |         |         |         |         |         |         |      | 1.5   | 2.5                   |
| ESE                     | 2.2   | 2.4   | .7     |         |         |         |         |         |         |         |      | 5.3   | 4.2                   |
| SE                      | 1.9   | 2.0   | 1.1    | .2      |         |         |         |         |         |         |      | 5.2   | 4.7                   |
| SSE                     | .2    | .6    | .1     |         | .1      |         |         |         |         |         |      | 1.4   | 5.1                   |
| S                       | 1.6   | 1.1   | .4     | .2      |         |         |         |         |         |         |      | 2.7   | 4.9                   |
| SSW                     | .0    | .5    | .4     |         |         |         |         |         |         |         |      | 1.5   | 4.6                   |
| SW                      | 1.6   | 1.1   | .4     |         |         |         |         |         |         |         |      | 3.1   | 3.5                   |
| WSW                     | .7    | 3.6   | 1.5    | .1      |         |         |         |         |         |         |      | 6.0   | 5.4                   |
| W                       | 2.6   | 2.5   | 2.2    | .1      |         |         |         |         |         |         |      | 10.4  | 5.0                   |
| WNW                     | 3.0   | 4.6   | 2.5    | .7      |         |         |         |         |         |         |      | 10.8  | 5.5                   |
| NW                      | 3.7   | 4.6   | 3.6    | 4.5     | .2      |         |         |         |         |         |      | 16.7  | 7.3                   |
| NNW                     | 2.1   | 2.7   | 4.2    | 3.0     | .2      |         |         |         |         |         |      | 12.3  | 7.9                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 12.4  |                       |
|                         | 24.6  | 31.8  | 18.9   | 11.2    | 1.0     |         |         |         |         |         |      | 100.0 | 5.2                   |

TOTAL NUMBER OF OBSERVATIONS 804

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 93214 VALLENTIN AFB CA STATION NAME 51-70, 73-78 YEARS JCT  
CLASS ALL WEATHER 1200-1400  
HOURS (LST)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .2    | .5    |        | .4      |         |         |         |         |         |         |      | 1.1   | 7.3                   |
| NNE                     |       |       | .2     | .1      |         |         |         |         |         |         |      | .6    | 9.6                   |
| NE                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| ENE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| E                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| ESE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SE                      | .1    | .1    | .1     |         | .2      |         |         |         |         |         |      | .6    | 12.2                  |
| SSE                     |       |       |        | .1      |         |         |         |         |         |         |      | .1    | 14.0                  |
| S                       |       | .2    | .6     |         |         |         |         |         |         |         |      | .9    | 6.9                   |
| SSW                     |       | .6    | .4     | .2      |         |         |         |         |         |         |      | 1.2   | 7.5                   |
| SW                      | .1    | .2    | 1.1    | .6      |         |         |         |         |         |         |      | 2.4   | 9.4                   |
| WSW                     |       | 1.6   | 3.7    | 1.1     |         |         |         |         |         |         |      | 6.5   | 8.3                   |
| W                       | .1    | 10.6  | 9.0    | 1.4     |         |         |         |         |         |         |      | 21.7  | 6.8                   |
| WNW                     | 1.2   | 8.3   | 8.8    | 2.1     | .6      | .1      |         |         |         |         |      | 21.2  | 7.4                   |
| NW                      | .5    | 7.3   | 12.8   | 8.6     | 1.6     | .1      |         |         |         |         |      | 31.0  | 9.5                   |
| NNW                     | .1    | 2.9   | 3.6    | 4.6     | .9      |         |         |         |         |         |      | 12.1  | 10.2                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | .6    |                       |
|                         | 4.1   | 32.8  | 40.7   | 19.2    | 3.4     | .1      |         |         |         |         |      | 100.0 | 8.3                   |

TOTAL NUMBER OF OBSERVATIONS 803

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA 57-70, 73-78 YEARS MONTH JCI  
CLASS ALL WEATHER 1500-1700 HOURS (L.S.T.)  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .7    | .5    | .7     | .4      |         |         |         |         |         |         |      | 2.3   | 6.5                   |
| NNE                     |       | .3    |        |         |         |         |         |         |         |         |      | .3    | 5.0                   |
| NE                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| ENE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| E                       |       |       | .1     |         |         |         |         |         |         |         |      | .1    | 10.0                  |
| ESE                     |       |       | .3     |         |         |         |         |         |         |         |      | .3    | 9.0                   |
| SE                      |       |       |        | .4      |         |         |         |         |         |         |      | .4    | 13.0                  |
| SSE                     |       | .3    | .1     |         |         |         |         |         |         |         |      | .4    | 6.0                   |
| S                       |       | .3    |        |         |         |         |         |         |         |         |      | .3    | 5.0                   |
| SSW                     |       | .3    | .1     |         |         |         |         |         |         |         |      | .4    | 5.7                   |
| SW                      | .1    | .3    | .5     |         |         |         |         |         |         |         |      | .9    | 6.9                   |
| WSW                     | .1    | .9    | 2.2    | .6      |         |         |         |         |         |         |      | 4.1   | 8.3                   |
| W                       | 1.1   | 0.2   | 3.1    | .5      |         |         |         |         |         |         |      | 11.0  | 5.9                   |
| WNW                     | 2.2   | 7.1   | 6.4    | 1.6     | .1      |         |         |         |         |         |      | 17.4  | 6.7                   |
| NW                      | 1.9   | 11.8  | 15.5   | 5.7     | 2.0     |         |         |         |         |         |      | 37.2  | 8.3                   |
| NNW                     | 1.5   | 6.2   | 6.6    | 7.4     | 1.6     |         |         |         |         |         |      | 23.9  | 9.5                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 1.1   |                       |
|                         | 7.6   | 34.2  | 35.7   | 17.4    | 3.8     |         |         |         |         |         |      | 100.0 | 7.9                   |

TOTAL NUMBER OF OBSERVATIONS 737

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93214 STATION VANDENBERG AFB CA STATION NAME 67-70, 73-74, 77 YEARS UCI NORTH 1000-2000 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 4.7   | 4.5   | 3.2    | .2      |         |         |         |         |         |         |      | 13.3  | 5.1                   |
| NNE                     | 1.6   | .9    | .2     | .6      |         |         |         |         |         |         |      | 2.8   | 3.9                   |
| NE                      | .5    | .5    |        |         |         |         |         |         |         |         |      | 1.0   | 3.3                   |
| ENE                     | 1.0   | .3    |        |         |         |         |         |         |         |         |      | 1.4   | 2.9                   |
| E                       | 2.6   | 1.0   |        |         |         |         |         |         |         |         |      | 3.7   | 2.9                   |
| ESE                     | 1.9   | 1.9   | .2     | .2      |         |         |         |         |         |         |      | 4.2   | 3.9                   |
| SE                      | .9    | 1.2   | .3     | .2      |         |         |         |         |         |         |      | 2.6   | 5.3                   |
| SSE                     | .7    | .5    | .2     |         |         |         |         |         |         |         |      | 1.4   | 4.0                   |
| S                       | .3    | .3    | .2     |         |         |         |         |         |         |         |      | .9    | 4.6                   |
| SSW                     | .2    | .2    |        |         |         |         |         |         |         |         |      | .7    | 3.3                   |
| SW                      | .7    | .7    |        |         |         |         |         |         |         |         |      | 1.4   | 3.9                   |
| WSW                     | .9    | .9    |        |         |         |         |         |         |         |         |      | 1.7   | 3.6                   |
| W                       | 2.1   | .5    |        |         |         |         |         |         |         |         |      | 2.6   | 2.7                   |
| WNW                     | 1.0   | 1.2   | .7     | .2      |         |         |         |         |         |         |      | 3.1   | 5.1                   |
| NW                      | 2.4   | 6.3   | 3.7    | 1.9     | .2      |         |         |         |         |         |      | 14.5  | 6.4                   |
| NNW                     | 4.0   | 8.7   | 5.4    | 4.9     | .3      |         |         |         |         |         |      | 23.4  | 7.1                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 21.2  |                       |
|                         | 26.0  | 29.9  | 14.3   | 8.0     | .5      |         |         |         |         |         |      | 100.0 | 4.3                   |

TOTAL NUMBER OF OBSERVATIONS 572

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 33214 STATION NAME VANDENBERG AFB CA YEARS 67-70, 73-74, 77-78 MONTH JCT  
CLASS ALL WEATHER MONTHS (L.S.T.) 2100-2300  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.9   | 4.4   | 1.5    | 1.0     |         |         |         |         |         |         |      | 10.8  | 5.1                   |
| NNE                     | 1.5   | .8    | .6     | .2      |         |         |         |         |         |         |      | 3.1   | 4.4                   |
| NE                      | 1.7   | .8    | .4     |         | .2      |         |         |         |         |         |      | 3.1   | 4.5                   |
| ENE                     | .6    | 1.0   |        |         |         |         |         |         |         |         |      | 1.5   | 3.3                   |
| E                       | 7.5   | 4.8   | .6     |         |         |         |         |         |         |         |      | 13.0  | 3.5                   |
| ESE                     | 4.4   | 6.8   | 1.9    |         |         |         |         |         |         |         |      | 13.2  | 4.2                   |
| SE                      | 2.1   | 2.5   | .4     |         |         |         |         |         |         |         |      | 5.0   | 4.2                   |
| SSE                     |       | .4    |        |         |         |         |         |         |         |         |      | .4    | 4.0                   |
| S                       | .6    | .2    | .4     |         |         |         |         |         |         |         |      | 1.4   | 4.1                   |
| SSW                     | .2    | .2    |        |         |         |         |         |         |         |         |      | .4    | 3.0                   |
| SW                      | .6    | .2    |        |         |         |         |         |         |         |         |      | .8    | 2.3                   |
| WSW                     | .2    |       |        |         |         |         |         |         |         |         |      | .2    | 1.0                   |
| W                       | .2    | .4    | .2     |         |         |         |         |         |         |         |      | .8    | 4.3                   |
| WNW                     | .8    | .4    | .2     |         | .4      |         |         |         |         |         |      | 1.7   | 7.3                   |
| NW                      | 1.9   | 4.1   | .8     | .6      |         |         |         |         |         |         |      | 7.4   | 5.1                   |
| NNW                     | 2.9   | 5.8   | 5.0    | 1.5     |         |         |         |         |         |         |      | 15.3  | 6.4                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 22.1  |                       |
|                         | 29.4  | 32.7  | 12.0   | 3.3     | .6      |         |         |         |         |         |      | 100.0 | 3.7                   |

TOTAL NUMBER OF OBSERVATIONS 517

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

57-70, 73-78  
YEARS

JCT  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 2.2   | 2.5   | 1.5    | .0      | .1      |         |         |         |         |         |      | 7.0   | 5.7                   |
| NNE                     | 1.2   | .7    | .4     | .4      |         |         |         |         |         |         |      | 2.7   | 5.3                   |
| NE                      | .7    | .4    | .0     | .0      | .0      |         |         |         |         |         |      | 1.2   | 3.3                   |
| ENE                     | .8    | .4    | .0     |         |         |         |         |         |         |         |      | 1.3   | 3.0                   |
| E                       | 2.9   | 2.1   | .1     |         |         |         |         |         |         |         |      | 5.2   | 3.4                   |
| ESE                     | 2.9   | 4.4   | 2.2    | .0      |         |         |         |         |         |         |      | 9.5   | 4.7                   |
| SE                      | 1.8   | 2.4   | .5     | .1      | .0      |         |         |         |         |         |      | 4.9   | 4.5                   |
| SSE                     | .4    | .4    | .1     | .0      | .0      |         |         |         |         |         |      | .9    | 4.3                   |
| S                       | .6    | .4    | .2     | .0      |         |         |         |         |         |         |      | 1.2   | 4.4                   |
| SSW                     | .4    | .3    | .1     | .0      |         |         |         |         |         |         |      | .9    | 4.5                   |
| SW                      | .5    | .4    | .3     | .1      |         |         |         |         |         |         |      | 1.3   | 5.2                   |
| WSW                     | .4    | 1.1   | 1.2    | .3      |         |         |         |         |         |         |      | 3.0   | 6.7                   |
| W                       | 1.1   | 3.7   | 2.3    | .3      |         |         |         |         |         |         |      | 7.5   | 5.9                   |
| WNW                     | 1.5   | 3.5   | 2.9    | .7      | .2      | .0      |         |         |         |         |      | 8.8   | 6.5                   |
| NW                      | 1.8   | 5.3   | 5.6    | 3.3     | .6      | .1      |         |         |         |         |      | 16.8  | 8.0                   |
| NNW                     | 1.9   | 4.4   | 4.6    | 3.4     | .5      |         |         |         |         |         |      | 14.7  | 8.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 12.9  |                       |
|                         | 21.2  | 32.4  | 22.3   | 9.6     | 1.4     | .1      |         |         |         |         |      | 100.0 | 5.4                   |

TOTAL NUMBER OF OBSERVATIONS 4930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 93214 STATION NAME VANDENBERG AFB CA YEARS 67-70 MONTH NORTH  
CLASS ALL WEATHER HOURS (L.S.T.) 0000-0200  
CONDITION \_\_\_\_\_

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .0    | 1.9   | 2.2    | .0      |         |         |         |         |         |         |      | 5.6   | 6.5                   |
| NNE                     | 3.3   | .8    | .6     |         |         |         |         |         |         |         |      | 4.7   | 3.5                   |
| NE                      | 2.8   | .3    |        |         |         |         |         |         |         |         |      | 3.1   | 2.6                   |
| ENE                     | 2.8   | 1.4   | .3     |         |         |         |         |         |         |         |      | 4.4   | 3.6                   |
| E                       | 4.7   | 6.9   | .8     |         |         |         |         |         |         |         |      | 12.5  | 4.1                   |
| ESE                     | 3.3   | 17.5  | 8.1    | .0      | .6      |         |         |         |         |         |      | 30.3  | 5.9                   |
| SE                      | 2.6   | 3.9   | 3.3    | 1.7     | .3      | .0      |         |         |         |         |      | 12.8  | 7.8                   |
| SSE                     | .6    | .6    | .6     |         |         |         |         |         |         |         |      | 1.7   | 5.2                   |
| S                       | .3    | .3    | .3     |         |         |         |         |         |         |         |      | .8    | 5.0                   |
| SSW                     | 1.1   | .3    | .3     |         |         |         |         |         |         |         |      | 1.7   | 3.0                   |
| SW                      |       | .6    | 1.1    |         |         |         |         |         |         |         |      | 1.7   | 7.2                   |
| WSW                     | .3    |       | 1.1    |         |         |         |         |         |         |         |      | 1.4   | 6.8                   |
| W                       | .3    |       | .3     |         |         |         |         |         |         |         |      | .6    | 5.5                   |
| WNW                     | .3    |       |        |         |         |         |         |         |         |         |      | .3    | 1.0                   |
| NW                      | .3    | .8    |        |         |         |         |         |         |         |         |      | 1.1   | 3.5                   |
| NNW                     | 1.4   | 1.9   | 2.8    | .6      |         |         |         |         |         |         |      | 7.5   | 6.4                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 10.0  |                       |
|                         | 25.0  | 37.2  | 21.7   | 3.4     | .8      | .0      |         |         |         |         |      | 100.0 | 5.0                   |

TOTAL NUMBER OF OBSERVATIONS 360

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA 67-70 YEARS 407 NORTH  
ALL WEATHER CLASS 0300-0500 HOURS (L.S.T.)  
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N                 | 2.2   | 3.6   | 2.8    | .6      |         |         |         |         |         |         |      | 9.2   | 5.5             |
| NNE               | .8    | 3.1   | 1.1    | 1.1     |         |         |         |         |         |         |      | 6.1   | 6.5             |
| NE                | 2.2   | 1.9   | .3     | .0      |         |         |         |         |         |         |      | 5.0   | 4.3             |
| ENE               | 1.7   | 1.4   |        |         |         |         |         |         |         |         |      | 3.1   | 3.5             |
| E                 | 5.3   | 8.3   | .8     |         | .3      |         |         |         |         |         |      | 14.7  | 4.3             |
| ESE               | 3.1   | 15.8  | 4.7    | .0      |         |         |         |         |         |         |      | 29.2  | 6.0             |
| SE                | 1.7   | 2.6   | 1.1    | 1.4     | .3      | .6      |         |         |         |         |      | 10.6  | 7.2             |
| SSE               | .6    | .3    |        | .6      |         |         |         |         |         |         |      | 1.4   | 7.5             |
| S                 | .6    |       | .3     |         | .3      |         |         |         |         |         |      | 1.1   | 7.0             |
| SSW               | .9    |       |        |         |         |         |         |         |         |         |      | .8    | 2.7             |
| SW                |       | .3    |        |         |         |         |         |         |         |         |      | .3    | 5.0             |
| WSW               |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| W                 | .3    | .3    | .6     | .3      |         |         |         |         |         |         |      | 1.4   | 8.2             |
| WNW               | .6    | .3    | .3     |         |         |         |         |         |         |         |      | 1.4   | 3.5             |
| NW                | 1.7   | 2.8   | 1.1    |         |         |         |         |         |         |         |      | 5.6   | 4.5             |
| NNW               | .3    | .8    | 1.7    | .6      |         |         |         |         |         |         |      | 3.3   | 7.5             |
| VARBL             |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| CALM              |       |       |        |         |         |         |         |         |         |         |      | 6.9   |                 |
|                   | 21.9  | 44.4  | 14.7   | 5.0     | .8      | .6      |         |         |         |         |      | 100.0 | 5.3             |

TOTAL NUMBER OF OBSERVATIONS 360



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

94214 STATION VANDENBERG AFB CA 57-70, 73-78 YEARS  
STATION NAME  
ALL WEATHER CLASS  
CONDITION  
0600-1800 MONTH HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N                 | 2.0   | 4.3   | 3.4    | 1.2     |         |         |         |         |         |         |      | 10.8  | 6.4             |
| NNE               | 2.1   | 2.0   | .5     | .4      | .2      |         |         |         |         |         |      | 5.2   | 5.2             |
| NE                | 1.4   | .9    | 1.1    | .5      |         |         |         |         |         |         |      | 3.9   | 6.0             |
| ENE               | .5    | 1.4   |        |         |         |         |         |         |         |         |      | 2.0   | 3.9             |
| E                 | 4.4   | 6.2   | .7     |         |         |         |         |         |         |         |      | 11.4  | 4.1             |
| ESE               | 6.4   | 13.6  | 8.2    | .7      |         |         |         |         |         |         |      | 31.4  | 5.3             |
| SE                | 1.6   | 6.9   | 1.8    | 1.4     | .5      | .2      |         |         |         |         |      | 12.6  | 6.7             |
| SSE               | .7    | .2    | .2     |         |         |         |         |         |         |         |      | 1.1   | 3.8             |
| S                 |       | .5    | .5     |         |         |         |         |         |         |         |      | 1.1   | 6.3             |
| SSW               | .2    |       |        |         |         |         |         |         |         |         |      | .2    | 2.0             |
| SW                | .2    |       |        |         |         |         |         |         |         |         |      | .2    | 1.0             |
| WSW               |       | .2    |        | .2      |         |         |         |         |         |         |      | .4    | 8.5             |
| W                 | .2    | .2    |        |         |         |         |         |         |         |         |      | .4    | 4.0             |
| WNW               | .5    |       | .2     |         |         |         |         |         |         |         |      | .7    | 3.3             |
| NW                |       | 1.1   | 1.1    | .2      |         |         |         |         |         |         |      | 2.3   | 6.6             |
| NNW               | .9    | 2.1   | 1.8    | .2      |         |         |         |         |         |         |      | 5.0   | 5.8             |
| VARBL             |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| CALM              |       |       |        |         |         |         |         |         |         |         |      | 11.5  |                 |
|                   | 21.8  | 41.6  | 19.4   | 4.0     | .7      | .2      |         |         |         |         |      | 100.0 | 4.9             |

TOTAL NUMBER OF OBSERVATIONS 563

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 94214 STATION NAME VANDENBERG AFB CA YEARS 51-70, 73-78 MONTH NOV  
ALL WEATHER CLASS 0900-1100 HOURS (L.S.T.)  
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N                 | 2.0   | 2.2   | 2.2    | 2.2     | .6      |         |         |         |         |         |      | 10.6  | 9.2             |
| NNE               | .6    | .9    | 1.2    | 1.4     | .3      |         |         |         |         |         |      | 5.1   | 9.4             |
| NE                | .8    | .9    | .8     | .2      |         |         |         |         |         |         |      | 2.7   | 5.8             |
| ENE               | .6    | .1    | .4     |         |         |         |         |         |         |         |      | 1.1   | 4.6             |
| E                 | 1.9   | 1.4   | .3     | .3      |         |         |         |         |         |         |      | 3.8   | 4.1             |
| ESE               | 4.3   | 5.5   | 2.2    | .4      |         |         |         |         |         |         |      | 12.4  | 4.7             |
| SE                | 3.9   | 4.6   | 2.8    | 1.4     | .4      | .3      |         |         |         |         |      | 13.4  | 6.4             |
| SSE               | .7    | .9    | .3     | 1.0     | .1      |         |         |         |         |         |      | 3.2   | 7.2             |
| S                 | 1.1   | .3    | .4     | .1      |         |         |         |         |         |         |      | 1.9   | 4.2             |
| SSW               | .5    | .3    | .1     |         |         |         |         |         |         |         |      | .9    | 4.0             |
| SW                | .5    | .4    | .4     |         |         |         |         |         |         |         |      | 1.3   | 4.4             |
| WSW               | .4    | .9    | .8     | .1      |         |         |         |         |         |         |      | 2.2   | 5.9             |
| W                 | 2.4   | 1.5   | 1.2    |         |         |         |         |         |         |         |      | 5.6   | 4.3             |
| WNW               | 1.0   | 1.7   | 1.2    | .3      |         |         |         |         |         |         |      | 4.2   | 5.6             |
| NW                | 1.4   | 2.2   | 2.7    | 1.4     | .3      |         |         |         |         |         |      | 7.9   | 7.6             |
| NNW               | 1.2   | 2.8   | 4.7    | 3.1     | .1      |         |         |         |         |         |      | 13.0  | 8.1             |
| VARBL             |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| CALM              |       |       |        |         |         |         |         |         |         |         |      | 10.8  |                 |
|                   | 24.2  | 27.4  | 22.9   | 12.6    | 1.8     | .3      |         |         |         |         |      | 100.0 | 5.8             |

TOTAL NUMBER OF OBSERVATIONS 785

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93214 VANDENBERG AFB CA 67-70, 73-78 ALL WEATHER 1200-1400  
STATION STATION NAME YEARS NORTH HOURS (L.S.T.)  
CLASS  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .2    | .2    | 1.2    | .4      | .5      |         |         |         |         |         |      | 3.3   | 10.5                  |
| NNE                     | .4    | .4    | .5     | .4      |         |         |         |         |         |         |      | 1.7   | 7.3                   |
| NE                      |       | .2    |        |         |         |         |         |         |         |         |      | .3    | 5.0                   |
| ENE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| E                       | .1    | .1    |        | .1      |         |         |         |         |         |         |      | .4    | 6.7                   |
| ESE                     |       | .3    | .4     | .1      |         |         |         |         |         |         |      | .8    | 7.7                   |
| SE                      | .4    | .5    | .8     | 1.0     | .4      | .1      |         |         |         |         |      | 3.9   | 11.2                  |
| SSE                     | .1    | .5    | .6     | 1.0     | .5      | .1      |         |         |         |         |      | 2.9   | 11.9                  |
| S                       |       | .4    | .9     | .4      | .1      |         |         |         |         |         |      | 1.8   | 9.9                   |
| SSW                     |       |       | .4     | .3      |         |         |         |         |         |         |      | .6    | 10.2                  |
| SW                      | .1    | .6    | .4     | .4      |         |         |         |         |         |         |      | 1.5   | 7.1                   |
| WSW                     | .4    | 1.8   | 3.1    | .5      |         |         |         |         |         |         |      | 5.7   | 7.2                   |
| W                       | 1.7   | 7.6   | 6.5    | .3      |         |         |         |         |         |         |      | 16.0  | 6.1                   |
| WNW                     | 1.0   | 8.8   | 6.4    | 1.7     |         |         |         |         |         |         |      | 18.6  | 6.5                   |
| NW                      | .5    | 5.6   | 10.4   | 9.4     | 1.0     | .3      |         |         |         |         |      | 27.2  | 9.9                   |
| NNW                     | .6    | 1.3   | 4.3    | 5.7     | .6      | .1      |         |         |         |         |      | 12.7  | 11.0                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 2.5   |                       |
|                         | 6.4   | 28.6  | 36.1   | 22.0    | 3.2     | .6      |         |         |         |         |      | 100.0 | 8.4                   |

TOTAL NUMBER OF OBSERVATIONS 786

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAF

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

51-70, 73-78  
YEARS

11 V  
NORTH

ALL W. TIME  
CLASS

1500-1700  
HOURS (L & T)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.7   | 1.3   | 1.3    | 1.3     | .1      |         |         |         |         |         |      | 5.6   | 6.9                   |
| NNE                     | .5    | .1    | .1     | .4      |         |         |         |         |         |         |      | 1.2   | 7.1                   |
| NE                      | .1    |       |        |         |         |         |         |         |         |         |      | .1    | 2.0                   |
| ENE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| E                       |       | .1    |        |         |         |         |         |         |         |         |      | .1    | 4.0                   |
| ESE                     | .1    | .3    |        | .2      |         |         |         |         |         |         |      | .6    | 3.2                   |
| SE                      | .1    | .5    | .6     | .6      | .6      | .1      |         |         |         |         |      | 2.9   | 12.9                  |
| SSE                     |       | .1    | .6     | .4      |         |         |         |         |         |         |      | 1.3   | 2.3                   |
| S                       | .1    | .3    | 1.2    |         |         |         |         |         |         |         |      | 1.7   | 7.6                   |
| SSW                     | .1    | .1    | .4     | .4      |         |         |         |         |         |         |      | 1.0   | 8.0                   |
| SW                      | .2    | 1.0   | .9     | .3      |         |         |         |         |         |         |      | 2.4   | 6.7                   |
| WSW                     | .8    | .6    | 1.2    | .1      |         |         |         |         |         |         |      | 2.7   | 6.3                   |
| W                       | 3.1   | 4.9   | 1.6    |         |         |         |         |         |         |         |      | 9.7   | 4.5                   |
| WNW                     | 3.5   | 3.2   | 3.2    | 1.0     |         |         |         |         |         |         |      | 10.9  | 5.8                   |
| NW                      | 3.1   | 7.6   | 10.8   | 7.2     | .8      | .4      |         |         |         |         |      | 29.7  | 8.5                   |
| NNW                     | 2.8   | 5.5   | 9.0    | 7.3     | .6      |         |         |         |         |         |      | 25.2  | 3.6                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 4.7   |                       |
|                         | 16.4  | 23.6  | 31.1   | 19.4    | 2.3     | .4      |         |         |         |         |      | 100.0 | 7.3                   |

TOTAL NUMBER OF OBSERVATIONS

781

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93214 VANDENBERG AFB CA 67-70, 73-74 NOV  
STATION NAME YEARS MONTH  
ALL WEATHER CLASS 1800-2000  
CONDITION HOURS (L.S.T.)

| SPEED<br>(KNTS,<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 4.3   | 3.9   | 3.1    | 1.1     |         |         |         |         |         |         |      | 12.4  | 5.4                   |
| NNE                     | 1.3   | 2.4   | .2     | .2      |         |         |         |         |         |         |      | 4.1   | 4.4                   |
| NE                      | 1.3   | .7    | .2     |         |         |         |         |         |         |         |      | 2.2   | 3.6                   |
| ENE                     | 1.9   | .2    | .4     |         |         |         |         |         |         |         |      | 2.4   | 3.2                   |
| E                       | 4.1   | 3.0   | .6     | .2      |         |         |         |         |         |         |      | 7.8   | 3.8                   |
| ESE                     | 4.1   | 3.3   | .6     |         |         |         |         |         |         |         |      | 8.0   | 3.6                   |
| SE                      | 3.1   | 2.2   | .4     | 1.7     | .4      |         |         |         |         |         |      | 7.8   | 6.7                   |
| SSE                     | .7    | .4    | .4     | .2      |         |         |         |         |         |         |      | 1.7   | 5.3                   |
| S                       | .9    | .2    | .9     | .2      |         |         |         |         |         |         |      | 2.2   | 5.9                   |
| SSW                     | .4    | .6    | .2     |         | .2      |         |         |         |         |         |      | 1.3   | 6.1                   |
| SW                      | .6    | .9    |        |         |         |         |         |         |         |         |      | 1.5   | 3.5                   |
| WSW                     | .4    | .2    | .2     | .4      |         |         |         |         |         |         |      | 1.1   | 7.3                   |
| W                       | 1.7   |       |        |         |         |         |         |         |         |         |      | 1.7   | 2.3                   |
| WNW                     | .9    | .4    | .2     | .2      |         |         |         |         |         |         |      | 1.7   | 4.7                   |
| NW                      | 2.0   | 2.6   | 2.4    | 1.1     | .4      |         |         |         |         |         |      | 9.1   | 6.5                   |
| NNW                     | 1.3   | 6.7   | 7.6    | 2.6     | .2      |         |         |         |         |         |      | 18.9  | 7.1                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 16.3  |                       |
|                         | 30.0  | 27.6  | 17.2   | 7.8     | 1.1     |         |         |         |         |         |      | 100.0 | 4.6                   |

TOTAL NUMBER OF OBSERVATIONS 540

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

92214 STATION VANDENBERG AFB CA 67-70, 73-74 YEARS MONTH NOV  
CLASS ALL WEATHER HOURS (L.S.T.) 2100-2300  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 3.3   | 3.0   | 2.4    | .9      |         |         |         |         |         |         |      | 9.7   | 5.6                   |
| NNE                     | 1.7   | 1.1   | .7     | .2      |         |         |         |         |         |         |      | 3.7   | 4.8                   |
| NE                      | 1.3   | 1.9   | .6     | .2      |         |         |         |         |         |         |      | 3.9   | 4.8                   |
| ENE                     | 1.5   | .4    |        |         |         |         |         |         |         |         |      | 1.9   | 3.0                   |
| E                       | 4.0   | 6.0   | 1.5    | .6      |         |         |         |         |         |         |      | 14.9  | 4.5                   |
| ESE                     | 4.3   | 11.9  | 3.9    | .2      | .2      |         |         |         |         |         |      | 20.4  | 5.1                   |
| SE                      | 2.2   | 3.5   | 1.1    | 2.0     | .6      |         |         |         |         |         |      | 9.5   | 7.4                   |
| SSE                     | .4    | .2    | .2     | .4      |         |         |         |         |         |         |      | 1.1   | 7.0                   |
| S                       | .6    | .6    | .2     | .4      |         |         |         |         |         |         |      | 1.7   | 6.1                   |
| SSW                     | .4    | .4    |        |         |         |         |         |         |         |         |      | .7    | 3.0                   |
| SW                      | .0    | .4    |        | .2      |         |         |         |         |         |         |      | 1.1   | 4.8                   |
| WSW                     |       | .4    | .4     |         |         |         |         |         |         |         |      | .7    | 7.5                   |
| W                       | .2    | .2    |        | .2      |         |         |         |         |         |         |      | .6    | 6.0                   |
| WNW                     | .6    |       |        |         |         |         |         |         |         |         |      | .6    | 2.3                   |
| NW                      | .7    | 1.3   | 1.1    | .7      |         |         |         |         |         |         |      | 3.9   | 6.9                   |
| NNW                     | .9    | 3.5   | 4.6    | .4      |         |         |         |         |         |         |      | 10.0  | 6.9                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 15.6  |                       |
|                         | 23.4  | 36.6  | 10.7   | 6.4     | .7      |         |         |         |         |         |      | 100.0 | 4.7                   |

TOTAL NUMBER OF OBSERVATIONS 538

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/TAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 VANDENBURG AFB CA 67-70, 73-78 40y  
STATION STATION NAME YEARS MONTH  
ALL WEATHER CLASS  
CONDITION  
ALL HOURS (L & T)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 2.0   | 2.3   | 2.4    | 1.2     | .2      |         |         |         |         |         |      | 8.2   | 6.8                   |
| NNE                     | 1.2   | 1.2   | .7     | .0      | .1      |         |         |         |         |         |      | 3.6   | 6.2                   |
| NE                      | 1.2   | .8    | .4     | .2      |         |         |         |         |         |         |      | 2.3   | 4.8                   |
| ENE                     | .0    | .5    | .1     |         |         |         |         |         |         |         |      | 1.5   | 3.6                   |
| E                       | 2.7   | 3.4   | .5     | .1      | .0      |         |         |         |         |         |      | 6.7   | 4.2                   |
| ESE                     | 3.6   | 7.2   | 3.3    | .3      | .1      |         |         |         |         |         |      | 13.8  | 5.3                   |
| SE                      | 1.9   | 3.1   | 1.4    | 1.2     | .5      | .2      |         |         |         |         |      | 8.6   | 7.6                   |
| SSE                     | .2    | .4    | .4     | .5      | .1      | .0      |         |         |         |         |      | 1.9   | 6.2                   |
| S                       | .2    | .3    | .0     | .1      | .0      |         |         |         |         |         |      | 1.6   | 6.7                   |
| SSW                     | .4    | .2    | .2     | .1      | .0      |         |         |         |         |         |      | .9    | 5.7                   |
| SW                      | .3    | .6    | .4     | .1      |         |         |         |         |         |         |      | 1.3   | 5.7                   |
| WSW                     | .3    | .6    | 1.0    | .2      |         |         |         |         |         |         |      | 2.1   | 6.8                   |
| W                       | 1.2   | 2.4   | 1.7    | .1      |         |         |         |         |         |         |      | 5.7   | 5.2                   |
| WNW                     | 1.4   | 2.3   | 1.9    | .2      |         |         |         |         |         |         |      | 6.1   | 6.0                   |
| NW                      | 1.4   | 3.4   | 4.6    | 3.2     | .4      | .1      |         |         |         |         |      | 13.0  | 8.2                   |
| NNW                     | 1.4   | 3.4   | 4.9    | 3.2     | .3      | .0      |         |         |         |         |      | 13.2  | 8.3                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 9.3   |                       |
|                         | 20.2  | 32.1  | 24.4   | 12.1    | 1.6     | .4      |         |         |         |         |      | 100.0 | 6.0                   |

TOTAL NUMBER OF OBSERVATIONS 4713

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDEMBERG AFB CA 57-70.77 YEARS DEC NORTH  
ALL REF. THIS CLASS  
CONDITION  
0000-0200 HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N                 | 2.1   | 2.1   | 2.4    | .5      |         |         |         |         |         |         |      | 7.5   | 6.2             |
| NNE               | 3.2   | 4.3   | 1.3    |         |         |         |         |         |         |         |      | 8.8   | 4.4             |
| NE                | 2.7   | 2.1   | .5     |         |         |         |         |         |         |         |      | 5.3   | 3.9             |
| ENE               | 2.7   | 1.6   |        |         |         |         |         |         |         |         |      | 4.3   | 3.3             |
| E                 | 5.9   | 8.8   | 1.9    |         |         |         |         |         |         |         |      | 16.5  | 4.3             |
| ESE               | 6.1   | 18.1  | 3.2    |         |         |         |         |         |         |         |      | 27.5  | 4.8             |
| SE                | 2.4   | 4.3   | 2.1    | .5      | .3      |         |         |         |         |         |      | 9.6   | 6.0             |
| SSE               |       | 1.1   |        | .5      | .3      |         |         |         |         |         |      | 1.9   | 8.7             |
| S                 | .5    |       | .3     | .0      |         |         |         |         |         |         |      | 1.6   | 9.2             |
| SSW               | .5    | .3    |        |         |         |         |         |         |         |         |      | .8    | 3.0             |
| SW                |       |       | .3     |         |         |         |         |         |         |         |      | .3    | 10.0            |
| WSW               | .3    |       | .5     |         |         |         |         |         |         |         |      | .8    | 6.0             |
| W                 | .5    | .5    |        |         |         |         |         |         |         |         |      | 1.1   | 3.5             |
| WNW               | .3    |       |        |         |         |         |         |         |         |         |      | .3    | 2.0             |
| NW                | .3    |       | .5     |         |         |         |         |         |         |         |      | .8    | 5.7             |
| NNW               | .3    | .8    | 1.6    | .3      |         |         |         |         |         |         |      | 2.9   | 7.2             |
| VARBL             |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| CALM              |       |       |        |         |         |         |         |         |         |         |      | 10.1  |                 |
|                   | 21.7  | 44.0  | 14.7   | 2.4     | .5      |         |         |         |         |         |      | 100.0 | 4.5             |

TOTAL NUMBER OF OBSERVATIONS 375



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 44214 STATION NAME VANDENBERG AFB CA YEARS 67-70, 77 MONTH JUL  
CLASS ALL WEATHER HOURS 0300-0500  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .0    | 4.0   | 3.2    | .2      |         |         |         |         |         |         |      | 8.5   | 6.2                   |
| NNE                     | 1.9   | 3.2   | 1.9    |         |         |         |         |         |         |         |      | 6.9   | 5.1                   |
| NE                      | 4.0   | 2.4   |        |         |         |         |         |         |         |         |      | 6.4   | 3.3                   |
| ENE                     | 2.9   | 1.9   | .5     |         |         |         |         |         |         |         |      | 5.3   | 3.5                   |
| E                       | 4.3   | 8.8   | 1.6    |         |         |         |         |         |         |         |      | 14.7  | 4.4                   |
| ESE                     | 4.0   | 18.4  | 7.2    | .3      |         |         |         |         |         |         |      | 29.9  | 5.4                   |
| SE                      | 3.7   | 4.5   | 2.1    | .5      | .3      |         |         |         |         |         |      | 11.2  | 5.5                   |
| SSE                     |       |       |        | .3      | .5      |         |         |         |         |         |      | .8    | 16.0                  |
| S                       | .3    |       | .3     | .3      |         |         |         |         |         |         |      | .8    | 8.3                   |
| SSW                     | .3    |       |        | .5      |         |         |         |         |         |         |      | .8    | 9.7                   |
| SW                      | .3    | .3    |        |         |         |         |         |         |         |         |      | .5    | 3.0                   |
| WSW                     | .3    |       |        |         |         |         |         |         |         |         |      | .3    | 3.0                   |
| W                       |       | .5    | .3     | .3      |         |         |         |         |         |         |      | 1.3   | 8.4                   |
| WNW                     |       |       |        | .3      |         |         |         |         |         |         |      | .3    | 11.0                  |
| NW                      |       | .3    |        | .3      |         |         |         |         |         |         |      | .8    | 9.7                   |
| NNW                     | .3    | 1.9   | 1.3    | .3      |         |         |         |         |         |         |      | 3.7   | 6.7                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 7.7   |                       |
|                         | 22.2  | 46.1  | 18.4   | 4.0     | .8      |         |         |         |         |         |      | 100.0 | 4.9                   |

TOTAL NUMBER OF OBSERVATIONS 375

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

67-70, 73-78  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 2.1   | 4.8   | 3.8    | 1.9     |         |         |         |         |         |         |      | 12.5  | 6.7                   |
| NNE                     | 2.4   | 2.4   | 1.0    | .3      |         |         |         |         |         |         |      | 6.2   | 5.1                   |
| NE                      | 2.1   | 1.4   | .3     | .3      |         |         |         |         |         |         |      | 4.1   | 4.4                   |
| ENE                     | .3    | .5    | .2     |         |         |         |         |         |         |         |      | 1.0   | 4.8                   |
| E                       | 3.4   | 7.0   | 1.9    |         |         |         |         |         |         |         |      | 12.3  | 4.4                   |
| ESE                     | 5.7   | 18.8  | 8.2    | .9      |         |         |         |         |         |         |      | 33.6  | 5.4                   |
| SE                      | 2.4   | 7.4   | 1.5    | 1.4     | .2      |         |         |         |         |         |      | 12.8  | 6.1                   |
| SSE                     | .3    | .2    | .2     | .2      | .2      |         |         |         |         |         |      | 1.0   | 3.0                   |
| S                       | .7    | .3    |        |         |         |         |         |         |         |         |      | 1.0   | 2.8                   |
| SSW                     | .7    |       | .2     |         |         |         |         |         |         |         |      | .9    | 3.4                   |
| SW                      | .2    |       |        |         |         |         |         |         |         |         |      | .2    | 2.0                   |
| WSW                     | .3    | .2    | .2     | .2      |         |         |         |         |         |         |      | .9    | 6.4                   |
| W                       |       | .2    | .5     | .3      |         |         |         |         |         |         |      | 1.0   | 9.7                   |
| WNW                     | .3    |       | .2     |         |         |         |         |         |         |         |      | .5    | 4.3                   |
| NW                      | .2    | .3    |        | .9      |         |         |         |         |         |         |      | 1.4   | 10.1                  |
| NNW                     | .9    | 1.2   | .9     | .5      |         |         |         |         |         |         |      | 3.4   | 6.3                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 7.2   |                       |
|                         | 21.9  | 44.7  | 19.0   | 6.4     | .3      |         |         |         |         |         |      | 100.0 | 5.2                   |

TOTAL NUMBER OF OBSERVATIONS

584

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

67-70, 73-78  
YEARS

JEC  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 2.5   | 2.6   | 3.7    | 3.1     | .4      |         |         |         |         |         |      | 12.2  | 8.0                   |
| NNE                     | 1.0   | 1.0   | 2.1    | 1.4     | .4      |         |         |         |         |         |      | 5.8   | 8.2                   |
| NE                      | 1.1   | .5    | 1.0    | .2      |         |         |         |         |         |         |      | 2.8   | 8.4                   |
| ENE                     | .9    | .5    |        | .1      |         |         |         |         |         |         |      | 1.5   | 3.8                   |
| E                       | 2.8   | 2.7   | .1     |         |         |         |         |         |         |         |      | 5.7   | 3.6                   |
| ESE                     | 4.4   | 10.6  | 3.4    | .2      |         |         |         |         |         |         |      | 19.3  | 5.2                   |
| SE                      | 4.1   | 5.7   | 3.3    | 1.6     | .9      | .1      |         |         |         |         |      | 15.6  | 6.8                   |
| SSE                     | 1.0   | 1.6   | .2     | .2      | .1      |         | .1      |         |         |         |      | 3.6   | 6.9                   |
| S                       | .6    | .2    |        |         |         |         |         |         |         |         |      | .9    | 2.7                   |
| SSW                     | .2    | .1    | .1     |         |         |         |         |         |         |         |      | .5    | 4.5                   |
| SW                      | .6    | .4    | .5     |         |         |         |         |         |         |         |      | 1.5   | 5.0                   |
| WSW                     | .4    | .7    | .1     | .2      |         |         |         |         |         |         |      | 1.5   | 5.8                   |
| W                       | .4    | .2    | .5     |         |         |         |         |         |         |         |      | 1.1   | 5.7                   |
| WNW                     | 1.0   | .5    | .4     | .1      |         |         |         |         |         |         |      | 2.0   | 4.8                   |
| NW                      | .7    | 1.2   | 2.2    | .7      |         |         |         |         |         |         |      | 4.9   | 7.1                   |
| NNW                     | 1.2   | 2.5   | 3.7    | 3.3     | .1      |         |         |         |         |         |      | 10.8  | 8.5                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 10.5  |                       |
|                         | 22.4  | 31.0  | 21.4   | 12.2    | 1.8     | .1      | .1      |         |         |         |      | 100.0 | 5.8                   |

TOTAL NUMBER OF OBSERVATIONS

213

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

43214 STATION VANDENBERG AFB CA 67-70, 73-78 YEARS DEL NORTH  
ALL WEATHER CLASS 1200-1400 HOURS (L.S.T.)  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .6    | .5    | 1.2    | 3.7     | .1      |         |         |         |         |         |      | 6.1   | 10.7                  |
| NNE                     | .1    | .4    | 1.0    | 1.4     | .5      |         |         |         |         |         |      | 3.3   | 11.1                  |
| NE                      | .4    |       | .1     | .5      |         |         |         |         |         |         |      | 1.0   | 8.6                   |
| ENE                     | .2    |       |        |         |         |         |         |         |         |         |      | .2    | 2.0                   |
| E                       | .1    |       | .1     |         |         |         |         |         |         |         |      | .2    | 5.0                   |
| ESE                     | .1    | .1    |        |         |         |         |         |         |         |         |      | .2    | 3.0                   |
| SE                      | .4    | .5    | 2.0    | 1.5     | 1.1     | .4      | .1      |         |         |         |      | 5.9   | 12.6                  |
| SSE                     | .1    | .6    | 1.1    | .6      | .1      | .2      |         |         |         |         |      | 2.8   | 11.0                  |
| S                       | .4    | .2    | 1.0    | .1      |         |         |         |         |         |         |      | 1.7   | 7.1                   |
| SSW                     | .2    | .2    | .5     | .1      |         |         |         |         |         |         |      | 1.1   | 6.6                   |
| SW                      | .9    | .7    | 1.0    | .2      |         |         |         |         |         |         |      | 2.8   | 5.5                   |
| WSW                     | 1.2   | 2.8   | 1.6    | .2      | .1      |         |         |         |         |         |      | 6.0   | 5.7                   |
| W                       | 2.6   | 8.8   | 3.2    | .2      | .1      |         |         |         |         |         |      | 15.0  | 5.3                   |
| WNW                     | 2.1   | 5.2   | 2.5    | .7      |         |         |         |         |         |         |      | 10.4  | 5.6                   |
| NW                      | 1.7   | 5.4   | 8.0    | 6.4     | .4      |         |         |         |         |         |      | 21.9  | 8.6                   |
| NNW                     | .7    | 2.1   | 6.3    | 7.5     | .7      |         |         |         |         |         |      | 17.3  | 10.4                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 3.8   |                       |
|                         | 11.4  | 27.6  | 29.5   | 23.2    | 3.2     | .6      | .1      |         |         |         |      | 100.0 | 7.9                   |

TOTAL NUMBER OF OBSERVATIONS 814

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/4AC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 VANDENBERG AFB CA 67-70, 73-78 DEC  
STATION NAME YEARS MONTH  
ALL WEATHER CLASS 1500-1700  
HOURS (L.S.T.)  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .9    | 1.6   | 2.4    | 2.5     |         |         |         |         |         |         |      | 7.3   | 8.3                   |
| NNE                     | .7    | .5    | .7     | 1.1     | .1      |         |         |         |         |         |      | 3.2   | 4.5                   |
| NE                      |       |       | .2     | .1      |         |         |         |         |         |         |      | .4    | 0.7                   |
| ENE                     | .2    |       |        | .2      |         |         |         |         |         |         |      | .5    | 0.3                   |
| E                       | .1    | .1    |        |         |         |         |         |         |         |         |      | .2    | 0.0                   |
| ESE                     |       | .4    | .2     | .2      |         |         |         |         |         |         |      | 1.1   | 0.7                   |
| SE                      | .1    | .5    | 1.5    | 1.6     | .5      | .2      | .1      |         |         |         |      | 4.6   | 12.4                  |
| SSE                     | .1    | .1    | .6     | .2      | .4      | .4      |         |         |         |         |      | 1.9   | 13.0                  |
| S                       |       | .2    | .1     | .2      |         |         |         |         |         |         |      | .6    | 0.2                   |
| SSW                     | .1    | .5    | .1     |         |         |         |         |         |         |         |      | .7    | 4.5                   |
| SW                      | .9    | .6    | .6     | .1      |         |         |         |         |         |         |      | 2.2   | 5.3                   |
| WSW                     | .7    | .7    | 1.0    |         |         |         |         |         |         |         |      | 2.5   | 5.4                   |
| W                       | 4.0   | 5.1   | 1.4    |         |         |         |         |         |         |         |      | 10.4  | 4.4                   |
| WNW                     | 2.5   | 3.2   | 1.9    | .4      |         |         |         |         |         |         |      | 8.0   | 5.3                   |
| NW                      | 3.9   | 8.9   | 6.5    | 4.4     | 1.0     |         |         |         |         |         |      | 24.2  | 7.5                   |
| NNW                     | 4.2   | 4.8   | 8.9    | 7.7     | .5      | .1      |         |         |         |         |      | 26.3  | 4.5                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 5.7   |                       |
|                         | 18.5  | 27.5  | 26.2   | 18.6    | 2.5     | .7      | .1      |         |         |         |      | 100.0 | 7.2                   |

TOTAL NUMBER OF OBSERVATIONS 805

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

67-70, 73-74, 77-78  
YEARS

UTL  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 3.2   | 7.1   | 4.3    | 1.2     |         |         |         |         |         |         |      | 15.8  | 5.9                   |
| NNE                     | 2.1   | 3.5   | 1.1    | .5      |         |         |         |         |         |         |      | 7.3   | 5.2                   |
| NE                      | 1.6   | 2.1   | .9     | .2      |         |         |         |         |         |         |      | 4.8   | 4.9                   |
| ENE                     | 2.8   | 1.2   | .4     |         |         |         |         |         |         |         |      | 4.4   | 3.3                   |
| E                       | 2.7   | 3.0   |        |         |         |         |         |         |         |         |      | 5.7   | 3.5                   |
| ESE                     | 2.5   | 2.7   | 1.1    | .5      |         |         |         |         |         |         |      | 6.7   | 5.0                   |
| SE                      | 1.0   | 2.3   | 1.4    | 2.0     | .7      | .4      |         |         |         |         |      | 8.5   | 8.7                   |
| SSE                     |       | .2    | .4     |         | .2      |         |         |         |         |         |      | .7    | 9.8                   |
| S                       | .5    | .4    | .5     |         |         |         |         |         |         |         |      | 1.4   | 5.0                   |
| SSW                     | .4    | .2    | .2     |         |         |         |         |         |         |         |      | .7    | 5.0                   |
| SW                      | .4    |       |        |         |         |         |         |         |         |         |      | .4    | 1.5                   |
| WSW                     |       | .2    | .2     |         |         |         |         |         |         |         |      | .4    | 6.5                   |
| W                       | .9    | .4    | .2     |         |         |         |         |         |         |         |      | 1.4   | 3.3                   |
| WNW                     | .7    | .4    | .2     |         |         |         |         |         |         |         |      | 1.2   | 4.3                   |
| NW                      | 1.2   | 1.6   | 1.8    | 1.4     | .4      |         |         |         |         |         |      | 6.4   | 7.6                   |
| NNW                     | 2.3   | 5.5   | 4.6    | 2.7     | .4      |         |         |         |         |         |      | 15.4  | 7.5                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 18.8  |                       |
|                         | 23.0  | 30.7  | 17.0   | 8.5     | 1.6     | .4      |         |         |         |         |      | 100.0 | 4.9                   |

TOTAL NUMBER OF OBSERVATIONS 564

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93214 STATION VANDENBERG AFB CA 67-70, 73-75, 77 YEARS DEC NORTH  
ALL WEATHER CLASS 2100-2300 HOURS (L.S.T.)  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 3.2   | 4.7   | 6.4    | .7      |         |         |         |         |         |         |      | 15.0  | 6.1                   |
| NNE                     | 1.8   | 2.9   | 2.9    | .4      |         |         |         |         |         |         |      | 7.9   | 5.8                   |
| NE                      | 1.4   | 1.6   | 1.1    |         |         |         |         |         |         |         |      | 4.1   | 4.7                   |
| ENE                     | 3.0   | 1.4   |        |         |         |         |         |         |         |         |      | 4.5   | 2.8                   |
| E                       | 4.1   | 7.7   | .2     |         |         |         |         |         |         |         |      | 12.0  | 4.0                   |
| ESE                     | 3.8   | 13.8  | 2.1    | .5      |         |         |         |         |         |         |      | 20.2  | 5.0                   |
| SE                      | 1.6   | 4.5   | .2     | 1.4     |         |         |         |         |         |         |      | 7.7   | 5.9                   |
| SSE                     | .5    | .5    | .4     | .7      | .4      |         |         |         |         |         |      | 2.5   | 9.2                   |
| S                       | .7    |       | .5     | .5      | .2      |         |         |         |         |         |      | 2.0   | 8.5                   |
| SSW                     | .4    |       |        |         |         |         |         |         |         |         |      | .4    | 2.0                   |
| SW                      |       |       | .4     |         |         |         |         |         |         |         |      | .4    | 9.0                   |
| WSW                     | .2    | .2    |        | .2      |         |         |         |         |         |         |      | .5    | 6.0                   |
| W                       | .7    | .2    | .2     | .2      |         |         |         |         |         |         |      | 1.3   | 4.4                   |
| WNW                     | .2    | .2    | .4     | .2      |         |         |         |         |         |         |      | .9    | 7.2                   |
| NW                      | .5    | .4    | .2     | .4      |         |         |         |         |         |         |      | 1.4   | 6.8                   |
| NNW                     | 1.3   | 2.0   | 1.8    | 1.3     |         |         |         |         |         |         |      | 6.3   | 7.1                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 13.1  |                       |
|                         | 23.4  | 39.9  | 16.6   | 6.4     | .5      |         |         |         |         |         |      | 100.0 | 4.8                   |

TOTAL NUMBER OF OBSERVATIONS 559

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93214 VANDENBERG AFB CA 67-70, 74-78 DEC  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
ALL  
CONDITION HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.9   | 3.2   | 3.3    | 2.1     | .1      |         |         |         |         |         |      | 10.5  | 7.2                   |
| NNE                     | 1.4   | 1.9   | 1.5    | .6      | .2      |         |         |         |         |         |      | 5.7   | 6.6                   |
| NE                      | 1.3   | 1.0   | .5     | .2      |         |         |         |         |         |         |      | 3.1   | 4.9                   |
| ENE                     | 1.4   | .7    | .1     | .1      |         |         |         |         |         |         |      | 2.2   | 3.5                   |
| E                       | 2.5   | 3.9   | .6     |         |         |         |         |         |         |         |      | 6.9   | 4.1                   |
| ESE                     | 2.4   | 8.8   | 2.8    | .5      |         |         |         |         |         |         |      | 14.9  | 5.2                   |
| SE                      | 1.9   | 3.4   | 1.8    | 1.4     | .6      | .2      | .0      |         |         |         |      | 9.3   | 7.7                   |
| SSE                     | .3    | .6    | .4     | .4      | .2      | .1      | .0      |         |         |         |      | 2.1   | 9.7                   |
| S                       | .4    | .2    | .3     | .2      | .0      |         |         |         |         |         |      | 1.2   | 6.6                   |
| SSW                     | .3    | .2    | .2     | .1      |         |         |         |         |         |         |      | .7    | 5.1                   |
| SW                      | .5    | .3    | .4     | .1      |         |         |         |         |         |         |      | 1.2   | 5.3                   |
| WSW                     | .5    | .8    | .5     | .1      | .0      |         |         |         |         |         |      | 1.9   | 5.7                   |
| W                       | 1.4   | 2.5   | 1.0    | .1      | .0      |         |         |         |         |         |      | 5.0   | 5.0                   |
| WNW                     | 1.1   | 1.5   | .9     | .2      |         |         |         |         |         |         |      | 3.7   | 5.4                   |
| NW                      | 1.3   | 2.9   | 3.0    | 2.2     | .3      |         |         |         |         |         |      | 9.6   | 7.9                   |
| NNW                     | 1.0   | 2.8   | 4.2    | 3.6     | .3      | .0      |         |         |         |         |      | 12.4  | 8.6                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 9.2   |                       |
|                         | 20.7  | 34.6  | 21.5   | 12.0    | 1.6     | .3      | .1      |         |         |         |      | 100.0 | 5.9                   |

TOTAL NUMBER OF OBSERVATIONS 4889



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 93214 STATION NAME VANDENBERG AFB CA YEARS 67-70, 73-79 MONTH ALL

CLASS ALL WEATHER HOURS (L.S.T.) ALL

CONDITION \_\_\_\_\_

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 2.1   | 2.5   | 1.9    | 1.0     | .1      | .0      |         |         |         |         |      | 7.6   | 6.2                   |
| NNE                     | 1.2   | 1.0   | .5     | .3      | .0      | .0      |         |         |         |         |      | 3.0   | 5.3                   |
| NE                      | .8    | .5    | .1     | .0      | .0      |         |         |         |         |         |      | 1.5   | 4.0                   |
| ENE                     | .7    | .3    | .0     | .0      |         |         |         |         |         |         |      | 1.0   | 3.2                   |
| E                       | 1.7   | 1.8   | .2     | .0      | .0      |         |         |         |         |         |      | 3.7   | 3.8                   |
| ESE                     | 1.8   | 3.5   | 1.4    | .1      | .0      | .0      |         |         |         |         |      | 6.9   | 5.0                   |
| SE                      | 1.2   | 1.7   | .9     | .8      | .3      | .1      | .0      |         |         |         |      | 5.1   | 7.3                   |
| SSE                     | .4    | .4    | .4     | .4      | .1      | .0      | .0      |         |         |         |      | 1.7   | 8.1                   |
| S                       | .4    | .3    | .4     | .2      | .1      | .0      |         |         |         |         |      | 1.4   | 7.2                   |
| SSW                     | .3    | .2    | .2     | .1      | .0      | .0      | .0      |         |         |         |      | .9    | 6.0                   |
| SW                      | .4    | .4    | .3     | .1      | .0      |         |         |         |         |         |      | 1.2   | 5.7                   |
| WSW                     | .5    | .8    | .7     | .1      | .0      |         |         |         |         |         |      | 2.2   | 5.9                   |
| W                       | 1.5   | 3.0   | 2.2    | .2      | .0      |         |         |         |         |         |      | 6.8   | 5.6                   |
| WNW                     | 1.5   | 3.3   | 3.5    | .9      | .1      | .0      |         |         |         |         |      | 9.2   | 6.7                   |
| NW                      | 2.2   | 5.2   | 7.1    | 4.2     | .6      | .1      | .0      |         |         |         |      | 19.3  | 8.2                   |
| NNW                     | 2.1   | 4.5   | 5.8    | 4.2     | .9      | .2      | .0      |         |         |         |      | 17.5  | 8.6                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 10.9  |                       |
|                         | 18.9  | 29.4  | 25.5   | 12.8    | 2.1     | .4      | .0      |         |         |         |      | 100.0 | 6.2                   |

TOTAL NUMBER OF OBSERVATIONS 59437

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA STATION NAME 67-70, 73-79 YEARS  
INSTRUMENT CLASS ALL NORTH  
CONDITION ALL HOURS (L.S.T.)  
CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,  
AND/OR VSBY 1/2 TO 2-1/2 MI W/ CIG 200 FT OR MORE

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 2.7   | 2.8   | 1.2    | .2      | .0      |         |         |         |         |         |      | 7.1   | 4.5                   |
| NNE                     | 1.3   | .6    |        |         |         |         |         |         |         |         |      | 1.9   | 2.8                   |
| NE                      | .7    | .2    | .0     |         |         |         |         |         |         |         |      | .9    | 2.7                   |
| ENE                     | .4    | .1    | .0     |         |         |         |         |         |         |         |      | .5    | 2.6                   |
| E                       | .8    | .3    | .0     | .0      |         |         |         |         |         |         |      | 1.1   | 3.1                   |
| ESE                     | .7    | .8    | .3     | .1      | .0      |         |         |         |         |         |      | 2.0   | 4.8                   |
| SE                      | .8    | .7    | .3     | .3      | .1      | .1      |         |         |         |         |      | 2.3   | 7.1                   |
| SSE                     | .3    | .3    | .1     | .2      | .0      |         |         |         |         |         |      | 1.0   | 6.8                   |
| S                       | .4    | .2    | .2     | .2      | .1      | .1      |         |         |         |         |      | 1.2   | 8.2                   |
| SSW                     | .4    | .2    | .2     | .2      | .0      |         | .0      |         |         |         |      | .9    | 6.2                   |
| SW                      | .5    | .4    | .2     | .1      |         |         |         |         |         |         |      | 1.2   | 4.9                   |
| WSW                     | .7    | .8    | .4     | .1      | .0      |         |         |         |         |         |      | 2.0   | 4.9                   |
| W                       | 2.1   | 3.4   | 2.3    | .1      | .0      |         |         |         |         |         |      | 8.0   | 5.3                   |
| WNW                     | 2.3   | 4.2   | 4.1    | .7      | .0      |         |         |         |         |         |      | 11.2  | 6.2                   |
| NW                      | 3.0   | 8.0   | 9.3    | 3.3     | .2      | .0      |         |         |         |         |      | 24.4  | 7.0                   |
| NNW                     | 3.6   | 7.8   | 8.2    | 2.5     | .1      |         |         |         |         |         |      | 22.2  | 5.8                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 12.0  |                       |
|                         | 21.6  | 30.8  | 26.8   | 7.4     | .7      | .2      | .0      |         |         |         |      | 100.0 | 5.4                   |

TOTAL NUMBER OF OBSERVATIONS 13503

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.

Continued on Reverse Side

# EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |          |          |          |          |                     |          |                     |                     |          |                    |                    |                    |                    |                     |          |
|-------------------|----------------------------|----------|----------|----------|----------|---------------------|----------|---------------------|---------------------|----------|--------------------|--------------------|--------------------|--------------------|---------------------|----------|
|                   | $\geq 10$                  | $\geq 6$ | $\geq 5$ | $\geq 4$ | $\geq 3$ | $\geq 2\frac{1}{2}$ | $\geq 2$ | $\geq 1\frac{1}{2}$ | $\geq 1\frac{1}{4}$ | $\geq 1$ | $\geq \frac{3}{4}$ | $\geq \frac{1}{2}$ | $\geq \frac{1}{4}$ | $\geq \frac{1}{8}$ | $\geq \frac{1}{16}$ | $\geq 0$ |
| NO CEILING        |                            |          |          |          |          |                     |          |                     |                     |          |                    |                    |                    |                    |                     |          |
| $\geq 1800$       |                            |          |          |          |          |                     |          |                     |                     |          |                    |                    |                    |                    |                     |          |
| $\geq 1500$       |                            |          |          |          | 91.0     |                     |          |                     |                     |          |                    |                    |                    |                    |                     | 92.6     |
| $\geq 1200$       |                            |          |          |          |          |                     |          |                     |                     |          |                    |                    |                    |                    |                     |          |
| $\geq 1000$       |                            |          |          |          |          |                     |          |                     |                     |          |                    |                    |                    |                    |                     |          |
| $\geq 900$        |                            |          |          |          |          |                     |          |                     |                     |          |                    |                    |                    |                    |                     |          |
| $\geq 800$        |                            |          |          |          |          |                     |          |                     |                     |          |                    |                    |                    |                    |                     |          |
| $\geq 700$        |                            |          |          |          |          |                     |          |                     |                     |          |                    |                    |                    |                    |                     |          |
| $\geq 600$        |                            |          |          |          |          |                     |          |                     |                     |          |                    |                    |                    |                    |                     |          |
| $\geq 500$        |                            |          |          |          |          |                     |          |                     |                     | 97.4     |                    |                    |                    |                    |                     | 98.1     |
| $\geq 400$        |                            |          |          |          |          |                     |          |                     |                     |          |                    |                    |                    |                    |                     |          |
| $\geq 300$        |                            |          |          |          |          |                     |          |                     |                     |          |                    |                    |                    |                    |                     |          |
| $\geq 200$        |                            |          |          |          |          |                     |          |                     |                     |          |                    |                    |                    |                    |                     |          |
| $\geq 100$        |                            |          |          |          | 95.4     |                     | 96.9     |                     |                     | 98.3     |                    |                    |                    |                    |                     | 100.0    |
| $\geq 0$          |                            |          |          |          |          |                     |          |                     |                     |          |                    |                    |                    |                    |                     |          |

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

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

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq 1500$  feet with visibility  $\geq 3$  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  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $\geq 1$  mile, but < 3 miles; or ceiling  $\geq 500$  feet, but < 1500 feet with visibility  $\geq 1$  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

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

18-70-73

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 | ≥10                        | ≥6   | ≥5   | ≥4   | ≥3   | ≥2   | ≥2   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1    |
| NO CEILING      | 46.5                       | 55.6 | 55.9 | 56.2 | 56.5 | 56.5 | 57.0 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.8 | 58.1 | 58.3 | 58.9  |
| ≥ 20000         | 49.5                       | 58.6 | 58.9 | 59.4 | 59.7 | 59.7 | 60.2 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 61.0 | 61.3 | 61.6 | 62.1  |
| ≥ 18000         | 50.3                       | 59.4 | 59.7 | 60.2 | 60.5 | 60.5 | 61.0 | 61.6 | 61.6 | 61.6 | 61.6 | 61.8 | 62.1 | 62.4 | 62.7 | 62.9  |
| ≥ 16000         | 52.4                       | 61.6 | 61.8 | 62.4 | 62.6 | 62.6 | 63.2 | 63.7 | 63.7 | 63.7 | 63.7 | 64.0 | 64.2 | 64.5 | 65.1 | 65.1  |
| ≥ 14000         | 53.2                       | 62.9 | 63.2 | 63.7 | 64.0 | 64.2 | 64.8 | 65.3 | 65.3 | 65.3 | 65.3 | 65.6 | 65.9 | 66.1 | 66.7 | 66.7  |
| ≥ 12000         | 54.3                       | 64.0 | 64.5 | 65.1 | 65.3 | 65.6 | 66.1 | 66.7 | 66.7 | 66.7 | 66.7 | 66.9 | 67.2 | 67.5 | 68.0 | 68.0  |
| ≥ 10000         | 54.8                       | 64.8 | 65.3 | 65.9 | 66.1 | 66.4 | 66.9 | 67.5 | 67.5 | 67.5 | 67.5 | 67.7 | 68.0 | 68.3 | 68.8 | 68.8  |
| ≥ 9000          | 54.8                       | 64.8 | 65.3 | 65.9 | 66.1 | 66.4 | 66.9 | 67.5 | 67.5 | 67.5 | 67.5 | 67.7 | 68.0 | 68.3 | 68.8 | 68.8  |
| ≥ 8000          | 55.6                       | 65.9 | 66.4 | 67.5 | 67.7 | 68.0 | 68.5 | 69.1 | 69.1 | 69.1 | 69.1 | 69.4 | 69.6 | 69.9 | 70.4 | 70.4  |
| ≥ 7000          | 56.5                       | 66.9 | 67.5 | 68.5 | 68.8 | 69.1 | 69.6 | 70.2 | 70.2 | 70.2 | 70.2 | 70.4 | 70.7 | 71.0 | 71.2 | 71.2  |
| ≥ 6000          | 57.3                       | 67.7 | 68.3 | 69.4 | 69.6 | 69.9 | 70.4 | 71.0 | 71.0 | 71.0 | 71.0 | 71.2 | 71.5 | 71.8 | 72.3 | 72.3  |
| ≥ 5000          | 57.3                       | 68.3 | 68.8 | 69.9 | 70.2 | 70.4 | 71.0 | 71.5 | 71.5 | 71.5 | 71.5 | 71.8 | 72.0 | 72.3 | 72.8 | 72.8  |
| ≥ 4500          | 58.1                       | 68.1 | 69.6 | 71.0 | 71.2 | 71.5 | 72.0 | 72.6 | 72.6 | 72.6 | 72.6 | 72.8 | 73.1 | 73.4 | 73.9 | 73.9  |
| ≥ 4000          | 59.7                       | 73.1 | 73.9 | 75.3 | 75.5 | 75.8 | 76.3 | 76.9 | 76.9 | 76.9 | 76.9 | 77.2 | 77.4 | 77.7 | 78.2 | 78.2  |
| ≥ 3500          | 61.8                       | 75.8 | 76.6 | 78.0 | 78.2 | 78.5 | 79.0 | 79.6 | 79.6 | 79.6 | 79.6 | 79.8 | 80.1 | 80.4 | 80.9 | 80.9  |
| ≥ 3000          | 62.1                       | 77.4 | 78.2 | 79.6 | 79.8 | 80.1 | 80.6 | 81.2 | 81.2 | 81.2 | 81.2 | 81.5 | 81.7 | 82.0 | 82.5 | 82.5  |
| ≥ 2500          | 62.9                       | 78.5 | 79.3 | 80.6 | 80.9 | 81.2 | 81.7 | 82.3 | 82.3 | 82.3 | 82.3 | 82.5 | 82.8 | 83.1 | 83.6 | 83.6  |
| ≥ 2000          | 63.2                       | 78.8 | 79.6 | 80.9 | 81.2 | 81.5 | 82.0 | 82.5 | 82.5 | 82.5 | 82.5 | 82.8 | 83.1 | 83.3 | 83.9 | 83.9  |
| ≥ 1800          | 63.2                       | 79.0 | 79.8 | 81.2 | 81.5 | 81.7 | 82.3 | 82.8 | 82.8 | 82.8 | 82.8 | 83.1 | 83.3 | 83.6 | 84.1 | 84.1  |
| ≥ 1500          | 64.2                       | 80.9 | 82.3 | 83.6 | 83.9 | 84.1 | 84.7 | 85.2 | 85.2 | 85.2 | 85.2 | 85.5 | 85.8 | 86.0 | 86.6 | 86.6  |
| ≥ 1200          | 64.2                       | 82.0 | 83.9 | 85.5 | 86.0 | 86.3 | 86.8 | 87.4 | 87.4 | 87.4 | 87.4 | 87.6 | 87.9 | 88.2 | 88.7 | 88.7  |
| ≥ 1000          | 64.2                       | 82.8 | 84.9 | 87.1 | 87.6 | 87.9 | 88.4 | 89.0 | 89.0 | 89.0 | 89.0 | 89.2 | 89.5 | 89.8 | 90.3 | 90.3  |
| ≥ 900           | 64.2                       | 83.1 | 85.2 | 87.6 | 88.2 | 88.4 | 89.0 | 89.5 | 89.5 | 89.5 | 89.5 | 89.8 | 90.1 | 90.3 | 90.9 | 90.9  |
| ≥ 800           | 64.2                       | 83.3 | 85.5 | 87.9 | 88.4 | 88.7 | 89.2 | 89.8 | 89.8 | 89.8 | 89.8 | 90.1 | 90.3 | 90.6 | 91.1 | 91.1  |
| ≥ 700           | 64.2                       | 84.1 | 86.6 | 89.0 | 89.5 | 89.8 | 90.3 | 90.9 | 91.1 | 91.1 | 91.1 | 91.4 | 91.7 | 91.9 | 92.5 | 92.5  |
| ≥ 600           | 64.2                       | 84.9 | 87.4 | 89.8 | 90.3 | 90.6 | 91.1 | 91.7 | 91.9 | 91.9 | 91.9 | 92.2 | 92.5 | 92.7 | 93.3 | 93.3  |
| ≥ 500           | 64.2                       | 84.9 | 87.4 | 90.1 | 90.6 | 90.9 | 91.4 | 91.9 | 92.2 | 92.2 | 92.2 | 92.5 | 92.7 | 93.0 | 93.5 | 93.5  |
| ≥ 400           | 64.2                       | 86.8 | 89.2 | 92.5 | 93.3 | 93.5 | 94.1 | 94.6 | 94.9 | 94.9 | 94.9 | 95.2 | 95.4 | 95.7 | 96.2 | 96.2  |
| ≥ 300           | 64.2                       | 86.8 | 89.2 | 92.5 | 93.5 | 93.8 | 94.4 | 94.9 | 95.2 | 95.4 | 95.4 | 95.7 | 96.0 | 96.2 | 96.8 | 97.0  |
| ≥ 200           | 64.2                       | 86.8 | 89.2 | 92.5 | 93.5 | 93.8 | 94.4 | 94.9 | 95.2 | 95.4 | 95.4 | 95.7 | 96.0 | 96.5 | 97.0 | 98.4  |
| ≥ 100           | 64.2                       | 86.8 | 89.2 | 92.5 | 93.5 | 93.8 | 94.4 | 94.9 | 95.2 | 95.4 | 95.4 | 95.7 | 96.0 | 96.5 | 97.8 | 100.0 |
| ≥ 0             | 64.2                       | 86.8 | 89.2 | 92.5 | 93.5 | 93.8 | 94.4 | 94.9 | 95.2 | 95.4 | 95.4 | 95.7 | 96.0 | 96.5 | 97.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

372

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

18-70, 73, 76

44

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                 | ≥10                      | ≥6   | ≥5   | ≥4   | ≥3   | ≥2   | ≥2   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   |
| NO. CEILING     | 45.5                     | 55.6 | 55.9 | 55.9 | 56.7 | 56.7 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 |
| 20000           | 49.5                     | 59.9 | 60.2 | 60.2 | 61.0 | 61.0 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 18000           | 51.1                     | 61.5 | 61.8 | 61.8 | 62.0 | 62.0 | 62.6 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| 16000           | 52.7                     | 63.6 | 64.2 | 64.2 | 65.0 | 65.0 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 |
| 14000           | 54.3                     | 65.2 | 65.8 | 65.8 | 66.6 | 66.6 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 |
| 12000           | 54.8                     | 65.8 | 66.3 | 66.3 | 67.1 | 67.1 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| 10000           | 54.8                     | 65.8 | 66.3 | 66.3 | 67.1 | 67.1 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| 8000            | 56.4                     | 67.4 | 67.9 | 67.9 | 68.7 | 68.7 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 |
| 6000            | 58.4                     | 67.9 | 68.4 | 68.4 | 69.2 | 69.2 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 |
| 4000            | 57.5                     | 69.3 | 69.8 | 69.8 | 70.6 | 70.6 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 |
| 2000            | 57.5                     | 69.3 | 70.3 | 70.3 | 71.1 | 71.1 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 |
| 1000            | 58.0                     | 70.1 | 70.9 | 70.9 | 71.7 | 71.7 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 |
| 500             | 60.4                     | 72.7 | 73.8 | 73.8 | 74.6 | 74.6 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 |
| NO. VIS         | 62.6                     | 76.2 | 77.3 | 77.3 | 78.1 | 78.1 | 78.3 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 |
| 10000           | 64.4                     | 79.4 | 80.7 | 80.7 | 81.0 | 81.0 | 81.8 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| 8000            | 66.0                     | 82.6 | 84.0 | 84.0 | 84.8 | 84.8 | 85.0 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| 6000            | 66.0                     | 83.7 | 85.0 | 85.0 | 85.8 | 85.8 | 86.1 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 |
| 4000            | 66.0                     | 84.0 | 85.3 | 85.3 | 86.1 | 86.1 | 86.4 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| 2000            | 66.0                     | 85.3 | 86.6 | 86.6 | 87.4 | 87.4 | 87.7 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| 1000            | 66.0                     | 85.6 | 86.9 | 87.2 | 88.0 | 88.0 | 88.2 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| 500             | 66.0                     | 85.8 | 87.2 | 87.4 | 88.2 | 88.2 | 88.5 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| NO. OBS         | 66.0                     | 86.9 | 88.8 | 89.0 | 89.8 | 89.8 | 90.4 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| 10000           | 66.0                     | 87.2 | 89.3 | 89.6 | 90.4 | 90.4 | 90.9 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| 8000            | 66.0                     | 87.2 | 89.6 | 90.1 | 91.2 | 91.2 | 92.0 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| 6000            | 66.0                     | 87.2 | 89.6 | 90.1 | 91.2 | 91.2 | 92.2 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| 4000            | 66.0                     | 87.2 | 89.6 | 90.1 | 91.2 | 91.2 | 92.2 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| 2000            | 66.0                     | 88.5 | 90.9 | 91.4 | 92.6 | 92.6 | 93.9 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| 1000            | 66.0                     | 88.5 | 90.9 | 92.2 | 93.6 | 93.6 | 94.9 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| 500             | 66.0                     | 88.5 | 90.9 | 92.2 | 93.6 | 93.6 | 94.9 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| NO. TOT         | 66.0                     | 88.5 | 90.9 | 92.2 | 93.6 | 93.6 | 94.9 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |

TOTAL NUMBER OF OBSERVATIONS

374

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

R-70,73-79

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                 | ≥10                      | ≥6   | ≥5   | ≥4   | ≥3   | ≥2   | ≥2   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   |
| NO. CEILING     | 45.6                     | 52.0 | 52.0 | 52.1 | 52.1 | 52.1 | 52.1 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.5 | 52.5 | 53.0 | 53.5 |
| ≥ 20000         | 48.0                     | 55.1 | 55.4 | 55.4 | 55.4 | 55.6 | 55.6 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.9 | 55.9 | 56.4 | 56.9 |
| ≥ 18000         | 50.3                     | 57.4 | 57.6 | 57.7 | 57.7 | 57.9 | 57.9 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.2 | 58.2 | 58.7 | 59.2 |
| ≥ 16000         | 52.6                     | 59.9 | 60.0 | 60.2 | 60.4 | 60.5 | 60.5 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.9 | 60.9 | 61.4 | 61.8 |
| ≥ 14000         | 53.3                     | 60.9 | 61.0 | 61.2 | 61.3 | 61.5 | 61.5 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.8 | 61.8 | 62.3 | 62.8 |
| ≥ 12000         | 54.3                     | 61.8 | 62.0 | 62.3 | 62.5 | 62.7 | 62.7 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 63.0 | 63.0 | 63.5 | 64.0 |
| ≥ 10000         | 54.6                     | 62.2 | 62.3 | 62.7 | 62.8 | 63.0 | 63.0 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.3 | 63.3 | 63.8 | 64.3 |
| ≥ 9000          | 55.1                     | 62.7 | 62.8 | 63.2 | 63.3 | 63.5 | 63.5 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.8 | 63.8 | 64.3 | 64.8 |
| ≥ 8000          | 55.8                     | 63.5 | 63.7 | 64.0 | 64.1 | 64.3 | 64.3 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.6 | 64.6 | 65.1 | 65.6 |
| ≥ 7000          | 56.1                     | 64.1 | 64.3 | 64.8 | 65.1 | 65.3 | 65.3 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.6 | 65.6 | 66.1 | 66.6 |
| ≥ 6000          | 56.7                     | 65.3 | 65.5 | 66.0 | 66.3 | 66.4 | 66.4 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.8 | 66.8 | 67.3 | 67.8 |
| ≥ 5000          | 57.4                     | 66.3 | 66.4 | 66.9 | 67.3 | 67.4 | 67.4 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.8 | 67.8 | 68.3 | 68.8 |
| ≥ 4500          | 58.6                     | 67.8 | 67.9 | 68.4 | 68.8 | 68.9 | 68.9 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.2 | 69.2 | 69.7 | 70.2 |
| ≥ 4000          | 60.0                     | 70.2 | 70.4 | 70.9 | 71.2 | 71.4 | 71.4 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.7 | 71.7 | 72.2 | 72.7 |
| ≥ 3500          | 61.3                     | 72.7 | 72.9 | 73.4 | 73.8 | 74.0 | 74.0 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.7 | 74.7 | 75.2 | 75.7 |
| ≥ 3000          | 63.2                     | 75.5 | 75.7 | 76.2 | 76.8 | 77.0 | 77.0 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.6 | 77.6 | 78.1 | 78.6 |
| ≥ 2500          | 65.3                     | 78.6 | 78.9 | 79.4 | 80.1 | 80.3 | 80.3 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.9 | 80.9 | 81.4 | 81.9 |
| ≥ 2000          | 66.8                     | 82.1 | 82.4 | 83.1 | 83.7 | 83.9 | 83.9 | 84.0 | 84.0 | 84.0 | 84.2 | 84.2 | 84.7 | 84.7 | 85.2 | 85.7 |
| ≥ 1800          | 66.9                     | 82.7 | 83.2 | 83.9 | 84.5 | 84.7 | 84.7 | 84.9 | 84.9 | 85.0 | 85.0 | 85.0 | 85.5 | 85.5 | 86.0 | 86.5 |
| ≥ 1500          | 67.4                     | 83.9 | 84.5 | 85.2 | 86.2 | 86.3 | 86.3 | 86.5 | 86.5 | 86.5 | 86.7 | 86.7 | 87.2 | 87.2 | 87.7 | 88.2 |
| ≥ 1200          | 67.8                     | 84.5 | 85.2 | 85.9 | 87.2 | 87.3 | 87.5 | 87.7 | 87.7 | 87.8 | 87.8 | 87.8 | 88.3 | 88.3 | 88.8 | 89.3 |
| ≥ 1000          | 67.8                     | 85.4 | 86.2 | 86.8 | 88.3 | 88.5 | 88.7 | 88.8 | 88.8 | 89.0 | 89.0 | 89.0 | 89.5 | 89.5 | 90.0 | 90.5 |
| ≥ 900           | 67.8                     | 85.5 | 86.3 | 87.0 | 88.7 | 88.8 | 89.1 | 89.3 | 89.3 | 89.5 | 89.5 | 89.5 | 90.0 | 90.0 | 90.5 | 91.0 |
| ≥ 800           | 67.8                     | 86.2 | 87.0 | 87.8 | 89.5 | 89.6 | 90.0 | 90.1 | 90.1 | 90.3 | 90.3 | 90.3 | 90.8 | 90.8 | 91.3 | 91.8 |
| ≥ 700           | 67.8                     | 86.8 | 87.7 | 89.0 | 90.6 | 90.8 | 91.4 | 91.6 | 91.6 | 91.8 | 91.8 | 91.8 | 92.3 | 92.3 | 92.8 | 93.3 |
| ≥ 600           | 67.8                     | 87.0 | 87.8 | 89.1 | 91.0 | 91.1 | 91.8 | 92.1 | 92.1 | 92.3 | 92.3 | 92.3 | 92.8 | 92.8 | 93.3 | 93.8 |
| ≥ 500           | 67.8                     | 87.0 | 87.8 | 89.1 | 91.3 | 91.4 | 92.3 | 92.8 | 92.9 | 93.1 | 93.1 | 93.1 | 93.6 | 93.6 | 94.1 | 94.6 |
| ≥ 400           | 67.8                     | 87.0 | 87.8 | 89.3 | 91.4 | 91.6 | 92.6 | 93.1 | 93.3 | 93.4 | 93.4 | 93.4 | 93.9 | 93.9 | 94.4 | 94.9 |
| ≥ 300           | 67.8                     | 87.0 | 87.8 | 89.3 | 91.4 | 91.6 | 92.8 | 93.4 | 93.6 | 93.8 | 93.8 | 93.9 | 94.4 | 94.4 | 94.9 | 95.4 |
| ≥ 200           | 67.8                     | 87.0 | 87.8 | 89.5 | 91.8 | 91.9 | 93.3 | 94.1 | 94.2 | 94.6 | 94.6 | 94.9 | 95.4 | 95.4 | 95.9 | 96.4 |
| ≥ 100           | 67.8                     | 87.0 | 87.8 | 89.5 | 91.8 | 91.9 | 93.3 | 94.1 | 94.2 | 94.6 | 94.6 | 94.9 | 95.4 | 95.4 | 95.9 | 96.4 |
| ≥ 0             | 67.8                     | 87.0 | 87.8 | 89.5 | 91.8 | 91.9 | 93.3 | 94.1 | 94.2 | 94.6 | 94.6 | 94.9 | 95.4 | 95.4 | 95.9 | 96.4 |

TOTAL NUMBER OF OBSERVATIONS

608



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214 VANDENBERG AFB CA

68-70,73-79

444

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |       |      |       |      |       |      |       |      |       |       |      |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|-------|------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .1 | ≥ .05 | ≥ .01 | 0    |
| NO CEILING      | 49.0                       | 52.6 | 52.6 | 52.7 | 52.7 | 52.7  | 52.7 | 52.7  | 52.7 | 52.7  | 52.7 | 52.7  | 52.9 | 53.1  | 53.1  | 53.4 |
| ≥ 20000         | 55.3                       | 59.3 | 59.4 | 59.4 | 59.5 | 59.5  | 59.5 | 59.5  | 59.5 | 59.5  | 59.5 | 59.5  | 59.8 | 59.9  | 60.1  | 60.3 |
| ≥ 18000         | 57.1                       | 61.1 | 61.2 | 61.4 | 61.4 | 61.4  | 61.4 | 61.4  | 61.4 | 61.4  | 61.4 | 61.4  | 61.6 | 61.7  | 61.7  | 62.0 |
| IV 16000        | 58.9                       | 63.1 | 63.2 | 63.3 | 63.3 | 63.3  | 63.3 | 63.3  | 63.3 | 63.3  | 63.3 | 63.3  | 63.6 | 63.7  | 63.7  | 64.1 |
| IV 14000        | 60.3                       | 64.8 | 64.9 | 65.2 | 65.2 | 65.2  | 65.2 | 65.2  | 65.2 | 65.2  | 65.2 | 65.2  | 65.4 | 65.5  | 65.5  | 65.9 |
| IV 12000        | 61.5                       | 66.0 | 66.1 | 66.7 | 66.7 | 66.7  | 66.7 | 66.7  | 66.7 | 66.7  | 66.7 | 66.7  | 67.0 | 67.1  | 67.1  | 67.5 |
| IV 10000        | 62.3                       | 66.9 | 67.0 | 67.6 | 67.6 | 67.6  | 67.6 | 67.6  | 67.6 | 67.6  | 67.6 | 67.6  | 67.8 | 68.0  | 68.0  | 68.4 |
| IV 9000         | 63.0                       | 67.5 | 67.6 | 68.2 | 68.2 | 68.2  | 68.2 | 68.2  | 68.2 | 68.2  | 68.2 | 68.2  | 68.5 | 68.6  | 68.6  | 68.9 |
| IV 8000         | 63.2                       | 67.8 | 68.0 | 68.6 | 68.6 | 68.6  | 68.6 | 68.6  | 68.6 | 68.6  | 68.6 | 68.6  | 68.8 | 68.9  | 68.9  | 69.3 |
| IV 7000         | 64.8                       | 68.9 | 69.1 | 69.7 | 69.7 | 69.7  | 69.7 | 69.7  | 69.7 | 69.7  | 69.7 | 69.7  | 69.9 | 70.0  | 70.0  | 70.4 |
| ≥ 6000          | 64.8                       | 70.4 | 70.5 | 71.1 | 71.1 | 71.1  | 71.1 | 71.1  | 71.1 | 71.1  | 71.1 | 71.1  | 71.4 | 71.5  | 71.5  | 71.9 |
| IV 5000         | 65.3                       | 71.3 | 71.4 | 72.0 | 72.0 | 72.0  | 72.0 | 72.0  | 72.0 | 72.0  | 72.0 | 72.0  | 72.2 | 72.4  | 72.4  | 72.7 |
| ≥ 4500          | 65.9                       | 72.4 | 72.5 | 73.1 | 73.1 | 73.1  | 73.1 | 73.1  | 73.1 | 73.1  | 73.1 | 73.1  | 73.3 | 73.5  | 73.5  | 73.8 |
| IV 4000         | 67.4                       | 74.3 | 74.4 | 75.1 | 75.1 | 75.1  | 75.1 | 75.1  | 75.1 | 75.1  | 75.1 | 75.1  | 75.3 | 75.4  | 75.4  | 75.8 |
| ≥ 3500          | 68.0                       | 75.4 | 75.6 | 76.4 | 76.4 | 76.4  | 76.4 | 76.4  | 76.4 | 76.4  | 76.4 | 76.4  | 76.7 | 76.8  | 76.8  | 77.1 |
| IV 3000         | 69.9                       | 77.8 | 77.9 | 78.7 | 78.7 | 78.9  | 78.9 | 78.9  | 78.9 | 78.9  | 78.9 | 78.9  | 79.1 | 79.2  | 79.2  | 79.6 |
| ≥ 2500          | 72.5                       | 81.1 | 81.3 | 82.2 | 82.3 | 82.4  | 82.4 | 82.4  | 82.4 | 82.4  | 82.4 | 82.4  | 82.6 | 82.8  | 82.8  | 83.1 |
| ≥ 2000          | 74.8                       | 85.1 | 85.5 | 86.3 | 86.4 | 86.7  | 86.7 | 86.8  | 86.8 | 86.8  | 86.8 | 86.8  | 87.0 | 87.2  | 87.2  | 87.5 |
| ≥ 1800          | 75.2                       | 86.4 | 86.8 | 87.7 | 87.9 | 88.1  | 88.1 | 88.3  | 88.3 | 88.3  | 88.3 | 88.3  | 88.5 | 88.6  | 88.6  | 89.0 |
| ≥ 1500          | 75.9                       | 88.3 | 88.8 | 89.6 | 90.0 | 90.3  | 90.5 | 90.7  | 90.7 | 90.7  | 90.7 | 90.7  | 91.0 | 91.1  | 91.1  | 91.4 |
| ≥ 1200          | 76.3                       | 89.2 | 90.0 | 90.8 | 91.2 | 91.7  | 91.8 | 92.1  | 92.1 | 92.1  | 92.1 | 92.1  | 92.3 | 92.4  | 92.4  | 92.8 |
| ≥ 1000          | 76.4                       | 89.6 | 90.3 | 91.2 | 91.7 | 92.2  | 92.3 | 92.5  | 92.7 | 92.7  | 92.7 | 92.7  | 92.9 | 93.0  | 93.0  | 93.4 |
| ≥ 900           | 76.7                       | 90.0 | 90.8 | 91.7 | 92.2 | 92.7  | 92.8 | 93.0  | 93.2 | 93.2  | 93.2 | 93.2  | 93.4 | 93.5  | 93.5  | 93.9 |
| ≥ 800           | 76.8                       | 90.1 | 91.1 | 91.9 | 92.4 | 92.9  | 93.0 | 93.3  | 93.4 | 93.4  | 93.4 | 93.4  | 93.6 | 93.8  | 93.8  | 94.1 |
| ≥ 700           | 76.8                       | 90.5 | 91.6 | 92.5 | 93.0 | 93.5  | 93.6 | 93.9  | 94.0 | 94.0  | 94.0 | 94.0  | 94.3 | 94.4  | 94.4  | 94.7 |
| ≥ 600           | 76.8                       | 90.8 | 91.9 | 92.9 | 93.5 | 94.0  | 94.1 | 94.4  | 94.5 | 94.6  | 94.6 | 94.6  | 94.9 | 95.0  | 95.0  | 95.4 |
| ≥ 500           | 76.9                       | 91.0 | 92.4 | 93.5 | 94.5 | 95.0  | 95.1 | 95.5  | 95.6 | 95.7  | 95.7 | 95.7  | 96.0 | 96.1  | 96.1  | 96.5 |
| ≥ 400           | 76.9                       | 91.0 | 92.5 | 93.6 | 94.6 | 95.1  | 95.4 | 95.8  | 96.0 | 96.3  | 96.3 | 96.3  | 96.6 | 96.7  | 96.7  | 97.1 |
| ≥ 300           | 76.9                       | 91.0 | 92.5 | 93.8 | 94.7 | 95.2  | 95.5 | 96.0  | 96.1 | 96.5  | 96.5 | 96.5  | 96.8 | 96.9  | 96.9  | 97.3 |
| ≥ 200           | 76.9                       | 91.0 | 92.5 | 93.8 | 94.7 | 95.2  | 95.6 | 96.1  | 96.2 | 96.7  | 96.8 | 96.8  | 97.2 | 97.3  | 97.3  | 97.7 |
| ≥ 100           | 76.9                       | 91.0 | 92.5 | 93.8 | 94.7 | 95.2  | 95.6 | 96.1  | 96.2 | 96.7  | 96.8 | 96.8  | 97.3 | 97.4  | 97.4  | 97.8 |
| ≥ 0             | 76.9                       | 91.0 | 92.5 | 93.8 | 94.7 | 95.2  | 95.6 | 96.1  | 96.2 | 96.7  | 96.8 | 96.8  | 97.3 | 97.4  | 97.4  | 97.8 |

TOTAL NUMBER OF OBSERVATIONS

818

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

68-70, 73-79

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |       |      |       |       |      |      |      |      |      |      |       |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1.4 | ≥ 1  | ≥ .8 | ≥ .6 | ≥ .5 | ≥ .4 | ≥ .3 | ≥ .2  |
| NO CEILING      | 52.7                       | 56.2 | 56.4 | 56.4 | 56.6 | 56.7  | 56.7 | 56.7  | 56.7  | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7  |
| ≥ 20000         | 57.7                       | 61.9 | 62.0 | 62.0 | 62.3 | 62.5  | 62.5 | 62.5  | 62.5  | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5  |
| ≥ 18000         | 58.9                       | 63.1 | 63.2 | 63.2 | 63.7 | 63.8  | 63.8 | 63.8  | 63.8  | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8  |
| ≥ 16000         | 60.4                       | 64.5 | 64.7 | 64.7 | 65.2 | 65.3  | 65.3 | 65.3  | 65.3  | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3  |
| ≥ 14000         | 61.9                       | 66.6 | 66.7 | 66.7 | 67.2 | 67.4  | 67.4 | 67.4  | 67.4  | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4  |
| ≥ 12000         | 63.2                       | 68.1 | 68.2 | 68.3 | 68.8 | 68.9  | 68.9 | 68.9  | 68.9  | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9  |
| ≥ 10000         | 64.2                       | 69.2 | 69.3 | 69.4 | 69.9 | 70.0  | 70.0 | 70.0  | 70.0  | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0  |
| ≥ 9000          | 64.5                       | 69.7 | 69.8 | 69.9 | 70.4 | 70.5  | 70.5 | 70.5  | 70.5  | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5  |
| ≥ 8000          | 65.0                       | 70.2 | 70.3 | 70.4 | 70.9 | 71.0  | 71.0 | 71.0  | 71.0  | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0  |
| ≥ 7000          | 66.0                       | 71.6 | 71.9 | 72.1 | 72.6 | 72.7  | 72.7 | 72.7  | 72.7  | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7  |
| ≥ 6000          | 66.6                       | 72.7 | 73.0 | 73.3 | 74.0 | 74.1  | 74.1 | 74.1  | 74.1  | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1  |
| ≥ 5000          | 67.1                       | 73.8 | 74.1 | 74.4 | 75.2 | 75.3  | 75.3 | 75.3  | 75.3  | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3  |
| ≥ 4500          | 67.7                       | 74.6 | 74.8 | 75.2 | 75.9 | 76.0  | 76.0 | 76.0  | 76.0  | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0  |
| ≥ 4000          | 68.5                       | 76.4 | 76.8 | 77.1 | 77.9 | 78.0  | 78.0 | 78.0  | 78.0  | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0  |
| ≥ 3500          | 69.2                       | 77.4 | 77.8 | 78.1 | 78.9 | 79.0  | 79.0 | 79.0  | 79.0  | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0  |
| ≥ 3000          | 70.7                       | 79.1 | 79.5 | 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  |
| ≥ 2500          | 71.8                       | 80.9 | 81.3 | 81.7 | 82.4 | 82.5  | 82.5 | 82.5  | 82.5  | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5  |
| ≥ 2000          | 73.7                       | 83.4 | 83.7 | 84.2 | 85.1 | 85.2  | 85.2 | 85.2  | 85.2  | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2  |
| ≥ 1800          | 75.1                       | 85.0 | 85.3 | 85.8 | 86.7 | 86.8  | 86.8 | 86.8  | 86.8  | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8  |
| ≥ 1500          | 76.0                       | 86.6 | 87.2 | 87.8 | 88.6 | 88.9  | 89.1 | 89.1  | 89.1  | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.2  |
| ≥ 1200          | 76.5                       | 87.9 | 88.5 | 89.5 | 90.3 | 90.8  | 91.3 | 91.3  | 91.3  | 91.3 | 91.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.6  |
| ≥ 1000          | 77.0                       | 88.6 | 89.5 | 90.5 | 91.3 | 91.8  | 92.3 | 92.3  | 92.3  | 92.4 | 92.4 | 92.5 | 92.5 | 92.5 | 92.5 | 92.7  |
| ≥ 900           | 77.3                       | 89.4 | 90.2 | 91.3 | 92.2 | 92.7  | 93.3 | 93.3  | 93.3  | 93.4 | 93.4 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6  |
| ≥ 800           | 78.0                       | 90.7 | 91.6 | 92.8 | 93.8 | 94.4  | 95.0 | 95.0  | 95.0  | 95.1 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.4  |
| ≥ 700           | 78.0                       | 91.0 | 91.8 | 93.0 | 94.0 | 94.6  | 95.2 | 95.2  | 95.2  | 95.4 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.6  |
| ≥ 600           | 78.1                       | 91.4 | 92.3 | 93.5 | 94.6 | 95.2  | 95.8 | 95.8  | 95.8  | 96.0 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.2  |
| ≥ 500           | 78.1                       | 91.7 | 92.7 | 94.1 | 95.4 | 96.0  | 96.6 | 96.7  | 96.7  | 96.8 | 96.9 | 97.1 | 97.2 | 97.2 | 97.2 | 97.3  |
| ≥ 400           | 78.1                       | 91.7 | 92.9 | 94.5 | 95.7 | 96.3  | 96.9 | 97.1  | 97.1  | 97.3 | 97.6 | 97.7 | 97.9 | 97.9 | 97.9 | 98.0  |
| ≥ 300           | 78.1                       | 91.7 | 92.9 | 94.5 | 95.8 | 96.5  | 97.1 | 97.3  | 97.4  | 97.8 | 98.2 | 98.3 | 98.5 | 98.5 | 98.7 | 98.8  |
| ≥ 200           | 78.1                       | 91.7 | 92.9 | 94.5 | 95.8 | 96.5  | 97.1 | 97.3  | 97.4  | 98.0 | 98.4 | 98.5 | 98.8 | 99.1 | 99.4 | 99.6  |
| ≥ 100           | 78.1                       | 91.7 | 92.9 | 94.5 | 95.8 | 96.5  | 97.1 | 97.3  | 97.4  | 98.0 | 98.4 | 98.5 | 98.8 | 99.3 | 99.5 | 100.0 |
| ≥ 0             | 78.1                       | 91.7 | 92.9 | 94.5 | 95.8 | 96.5  | 97.1 | 97.3  | 97.4  | 98.0 | 98.4 | 98.5 | 98.8 | 99.3 | 99.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

818

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214 VANDENBERG AFB CA

68-70-73-79

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2  | ≥ 2  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1   |
| NO CEILING      | 52.8                     | 56.9 | 56.9 | 57.2 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4  |
| ≥ 20000         | 57.7                     | 61.4 | 62.2 | 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  |
| ≥ 18000         | 59.1                     | 63.3 | 63.6 | 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  |
| ≥ 16000         | 60.0                     | 64.4 | 64.7 | 65.4 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5  |
| ≥ 14000         | 61.4                     | 66.1 | 66.5 | 67.1 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2  |
| ≥ 12000         | 62.2                     | 67.7 | 68.1 | 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  |
| ≥ 10000         | 63.3                     | 68.7 | 69.2 | 69.8 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9  |
| ≥ 9000          | 63.6                     | 69.4 | 69.9 | 70.5 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6  |
| ≥ 8000          | 64.5                     | 70.4 | 70.9 | 71.5 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6  |
| ≥ 7000          | 65.5                     | 71.9 | 72.5 | 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  |
| ≥ 6000          | 66.7                     | 73.2 | 73.8 | 74.4 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6  |
| ≥ 5000          | 67.7                     | 74.8 | 75.4 | 76.0 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2  |
| ≥ 4500          | 68.4                     | 75.6 | 76.2 | 76.8 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9  |
| ≥ 4000          | 68.7                     | 76.4 | 77.3 | 77.9 | 78.0 | 78.0 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1  |
| ≥ 3500          | 69.3                     | 77.0 | 77.9 | 78.6 | 78.7 | 78.7 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9  |
| ≥ 3000          | 70.5                     | 78.5 | 79.4 | 80.1 | 80.5 | 80.5 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7  |
| ≥ 2500          | 71.9                     | 80.7 | 81.7 | 82.6 | 83.2 | 83.2 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4  |
| ≥ 2000          | 73.1                     | 82.9 | 84.2 | 85.0 | 85.6 | 85.6 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9  |
| ≥ 1800          | 74.1                     | 84.4 | 85.6 | 86.5 | 87.1 | 87.1 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3  |
| ≥ 1500          | 74.8                     | 86.0 | 87.3 | 88.2 | 88.8 | 88.8 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1  |
| ≥ 1200          | 75.4                     | 87.5 | 88.8 | 89.7 | 90.3 | 90.3 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5  |
| ≥ 1000          | 75.6                     | 88.2 | 89.6 | 90.4 | 91.0 | 91.0 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4  |
| ≥ 900           | 76.2                     | 89.1 | 90.7 | 91.5 | 92.1 | 92.1 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5  |
| ≥ 800           | 76.7                     | 89.6 | 91.4 | 92.3 | 92.9 | 93.0 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4  |
| ≥ 700           | 76.7                     | 89.6 | 91.6 | 92.5 | 93.1 | 93.2 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6  |
| ≥ 600           | 76.7                     | 89.8 | 92.1 | 93.0 | 93.7 | 93.9 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2  |
| ≥ 500           | 76.7                     | 90.3 | 92.8 | 93.7 | 94.7 | 94.8 | 95.2 | 95.5 | 95.5 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7  |
| ≥ 400           | 76.8                     | 90.5 | 93.0 | 94.0 | 95.2 | 95.5 | 95.8 | 96.1 | 96.1 | 96.2 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4  |
| ≥ 300           | 76.8                     | 90.5 | 93.0 | 94.1 | 95.3 | 95.6 | 95.9 | 96.3 | 96.3 | 96.8 | 97.2 | 97.3 | 97.5 | 97.5 | 97.7 | 97.8  |
| ≥ 200           | 76.8                     | 90.5 | 93.0 | 94.1 | 95.3 | 95.6 | 95.9 | 96.4 | 96.4 | 97.1 | 97.4 | 97.5 | 98.0 | 98.0 | 98.4 | 99.3  |
| ≥ 100           | 76.8                     | 90.5 | 93.0 | 94.1 | 95.3 | 95.6 | 95.9 | 96.4 | 96.4 | 97.1 | 97.4 | 97.5 | 98.2 | 98.2 | 98.5 | 99.9  |
| ≥ 0             | 76.8                     | 90.5 | 93.0 | 94.1 | 95.3 | 95.6 | 95.9 | 96.4 | 96.4 | 97.1 | 97.4 | 97.5 | 98.2 | 98.2 | 98.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

814

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

68-70, 73-75, 79  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
TIME PERIOD

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |       |      |       |       |      |      |      |      |      |      |       |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1.2 | ≥ 1  | ≥ .8 | ≥ .6 | ≥ .4 | ≥ .2 | ≥ .1 | ≥ 0   |
| NO CEILING      | 46.3                       | 55.7 | 55.9 | 56.1 | 56.1 | 56.1  | 56.1 | 56.1  | 56.1  | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.3  |
| ≥ 20000         | 48.0                       | 59.1 | 59.3 | 59.5 | 59.5 | 59.5  | 59.5 | 59.5  | 59.5  | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.6  |
| ≥ 18000         | 48.2                       | 59.3 | 59.5 | 59.6 | 59.6 | 59.6  | 59.6 | 59.6  | 59.6  | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.8  |
| ≥ 16000         | 49.1                       | 60.5 | 60.7 | 60.9 | 60.9 | 60.9  | 60.9 | 60.9  | 60.9  | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 61.1  |
| ≥ 14000         | 49.3                       | 60.9 | 61.1 | 61.3 | 61.3 | 61.3  | 61.4 | 61.4  | 61.4  | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.6  |
| ≥ 12000         | 49.5                       | 61.3 | 61.4 | 61.6 | 61.6 | 61.6  | 61.8 | 61.8  | 61.8  | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 62.0  |
| ≥ 10000         | 50.4                       | 62.7 | 62.9 | 63.0 | 63.0 | 63.0  | 63.2 | 63.2  | 63.2  | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.4  |
| ≥ 9000          | 50.9                       | 63.6 | 63.8 | 63.9 | 63.9 | 63.9  | 64.1 | 64.1  | 64.1  | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.3  |
| ≥ 8000          | 51.6                       | 65.2 | 65.4 | 65.5 | 65.5 | 65.5  | 65.7 | 65.7  | 65.7  | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.9  |
| ≥ 7000          | 51.8                       | 65.7 | 65.9 | 66.1 | 66.1 | 66.1  | 66.3 | 66.3  | 66.3  | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.4  |
| ≥ 6000          | 53.0                       | 67.5 | 67.7 | 67.9 | 67.9 | 67.9  | 68.0 | 68.0  | 68.0  | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.2  |
| ≥ 5000          | 53.9                       | 68.6 | 68.8 | 68.9 | 68.9 | 68.9  | 69.1 | 69.1  | 69.1  | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.3  |
| ≥ 4500          | 55.0                       | 69.8 | 70.0 | 70.2 | 70.2 | 70.2  | 70.4 | 70.4  | 70.4  | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.5  |
| ≥ 4000          | 56.8                       | 71.6 | 72.3 | 72.5 | 72.5 | 72.5  | 72.7 | 72.7  | 72.7  | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.9  |
| ≥ 3500          | 57.0                       | 71.8 | 72.5 | 72.7 | 72.7 | 72.7  | 72.9 | 72.9  | 72.9  | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 73.0  |
| ≥ 3000          | 58.2                       | 73.6 | 74.3 | 74.5 | 74.5 | 74.5  | 74.6 | 74.6  | 74.6  | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.8  |
| ≥ 2500          | 59.1                       | 76.1 | 76.8 | 77.1 | 77.1 | 77.1  | 77.5 | 77.5  | 77.5  | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.7  |
| ≥ 2000          | 59.8                       | 78.6 | 79.5 | 79.8 | 80.0 | 80.0  | 80.4 | 80.4  | 80.4  | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.5  |
| ≥ 1800          | 60.0                       | 79.5 | 80.4 | 80.7 | 80.9 | 80.9  | 81.3 | 81.3  | 81.3  | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.4  |
| ≥ 1500          | 60.0                       | 80.2 | 81.1 | 81.4 | 81.6 | 81.6  | 82.0 | 82.0  | 82.0  | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.1  |
| ≥ 1200          | 60.4                       | 81.8 | 82.7 | 83.2 | 83.8 | 83.8  | 84.1 | 84.1  | 84.1  | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.5  |
| ≥ 1000          | 60.4                       | 82.5 | 83.4 | 83.9 | 84.5 | 84.5  | 84.8 | 84.8  | 84.8  | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.2  |
| ≥ 900           | 60.4                       | 83.2 | 84.1 | 84.6 | 85.2 | 85.2  | 85.5 | 85.5  | 85.5  | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.9  |
| ≥ 800           | 60.5                       | 83.8 | 84.6 | 85.2 | 85.7 | 85.7  | 86.1 | 86.1  | 86.1  | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.4  |
| ≥ 700           | 60.7                       | 84.5 | 85.4 | 85.9 | 86.4 | 86.4  | 86.8 | 86.8  | 86.8  | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.1  |
| ≥ 600           | 60.9                       | 84.8 | 85.9 | 86.4 | 87.0 | 87.0  | 87.3 | 87.3  | 87.3  | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.7  |
| ≥ 500           | 61.1                       | 85.2 | 86.4 | 87.0 | 87.5 | 87.5  | 87.9 | 87.9  | 87.9  | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.2  |
| ≥ 400           | 61.1                       | 85.5 | 86.8 | 87.7 | 88.2 | 88.4  | 88.9 | 88.9  | 88.9  | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.3  |
| ≥ 300           | 61.1                       | 85.5 | 86.8 | 87.7 | 88.4 | 88.6  | 89.5 | 89.5  | 89.5  | 89.6 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.7  |
| ≥ 200           | 61.1                       | 85.5 | 86.8 | 87.7 | 88.6 | 88.8  | 90.2 | 90.4  | 90.5  | 90.5 | 91.1 | 91.6 | 92.0 | 92.5 | 92.7 | 94.1  |
| ≥ 100           | 61.1                       | 85.5 | 86.8 | 87.7 | 88.8 | 88.9  | 90.4 | 90.5  | 90.7  | 91.4 | 92.1 | 92.5 | 93.6 | 93.8 | 96.1 | 99.5  |
| ≥ 0             | 61.1                       | 85.5 | 86.8 | 87.7 | 88.8 | 88.9  | 90.4 | 90.5  | 90.7  | 91.4 | 92.1 | 92.5 | 93.6 | 93.8 | 96.1 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

560

USAF ETAC

FORM 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

8-70, 73-75

YEARS

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300

| CEILING<br>FEET | VISIBILITY (STATUTE MILES) |      |      |      |      |       |      |       |       |      |      |      |      |      |      |      |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1.2 | ≥ 1  | ≥ .8 | ≥ .6 | ≥ .5 | ≥ .4 | ≥ .3 | ≥ .2 |
| NO CEILING      | 47.4                       | 59.2 | 59.4 | 59.6 | 60.0 | 60.0  | 60.0 | 60.0  | 60.0  | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 |
| ≥ 20000         | 49.6                       | 62.2 | 62.4 | 62.6 | 63.0 | 63.0  | 63.0 | 63.2  | 63.2  | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| ≥ 18000         | 49.6                       | 62.2 | 62.4 | 62.6 | 63.0 | 63.0  | 63.0 | 63.2  | 63.2  | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| ≥ 16000         | 50.8                       | 63.5 | 63.7 | 63.9 | 64.3 | 64.3  | 64.3 | 64.5  | 64.5  | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 |
| ≥ 14000         | 50.9                       | 63.7 | 63.9 | 64.1 | 64.5 | 64.5  | 64.5 | 64.7  | 64.7  | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 |
| ≥ 12000         | 51.5                       | 64.7 | 64.8 | 65.0 | 65.4 | 65.4  | 65.4 | 65.6  | 65.6  | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 |
| ≥ 10000         | 52.3                       | 65.6 | 65.8 | 66.0 | 66.4 | 66.4  | 66.4 | 66.6  | 66.6  | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 |
| ≥ 9000          | 52.4                       | 65.8 | 66.0 | 66.2 | 66.5 | 66.5  | 66.5 | 66.7  | 66.7  | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| ≥ 8000          | 53.0                       | 66.9 | 67.1 | 67.3 | 67.7 | 67.7  | 67.7 | 67.9  | 67.9  | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 |
| ≥ 7000          | 53.2                       | 67.1 | 67.3 | 67.5 | 68.0 | 68.0  | 68.0 | 68.2  | 68.2  | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 |
| ≥ 6000          | 53.9                       | 68.2 | 68.6 | 69.0 | 69.4 | 69.5  | 69.7 | 69.9  | 69.9  | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 |
| ≥ 5000          | 55.5                       | 70.5 | 70.9 | 71.2 | 71.6 | 71.8  | 72.0 | 72.2  | 72.2  | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 |
| ≥ 4500          | 56.6                       | 71.8 | 72.2 | 72.6 | 73.1 | 73.3  | 73.5 | 73.7  | 73.7  | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| ≥ 4000          | 57.3                       | 73.1 | 73.5 | 74.2 | 74.8 | 75.0  | 75.2 | 75.4  | 75.4  | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 |
| ≥ 3500          | 57.5                       | 74.8 | 75.8 | 76.1 | 76.7 | 76.9  | 77.1 | 77.3  | 77.3  | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| ≥ 3000          | 58.3                       | 75.8 | 76.7 | 77.1 | 77.6 | 77.8  | 78.0 | 78.2  | 78.2  | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| ≥ 2500          | 59.4                       | 76.9 | 77.8 | 78.2 | 78.8 | 78.9  | 79.1 | 79.3  | 79.3  | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 |
| ≥ 2000          | 59.8                       | 78.2 | 79.3 | 79.9 | 80.5 | 80.6  | 80.8 | 81.0  | 81.0  | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 |
| ≥ 1800          | 59.8                       | 78.6 | 79.7 | 80.3 | 80.8 | 81.0  | 81.2 | 81.4  | 81.4  | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 |
| ≥ 1500          | 60.2                       | 79.5 | 80.8 | 81.8 | 82.3 | 82.5  | 82.7 | 82.9  | 82.9  | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 |
| ≥ 1200          | 60.2                       | 80.6 | 82.0 | 83.1 | 83.8 | 84.0  | 84.2 | 84.4  | 84.4  | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| ≥ 1000          | 60.3                       | 82.1 | 83.5 | 84.6 | 85.3 | 85.5  | 85.7 | 85.9  | 85.9  | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 |
| ≥ 900           | 60.3                       | 82.1 | 83.5 | 84.8 | 85.5 | 85.7  | 85.9 | 86.1  | 86.1  | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| ≥ 800           | 60.5                       | 82.7 | 84.0 | 85.3 | 86.1 | 86.3  | 86.5 | 86.7  | 86.7  | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| ≥ 700           | 60.5                       | 83.3 | 84.6 | 86.1 | 86.8 | 87.0  | 87.2 | 87.4  | 87.4  | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| ≥ 600           | 60.7                       | 83.8 | 85.2 | 86.7 | 87.4 | 87.6  | 87.8 | 88.0  | 88.0  | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| ≥ 500           | 60.9                       | 84.2 | 85.5 | 87.4 | 88.2 | 88.5  | 88.7 | 88.9  | 88.9  | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 |
| ≥ 400           | 60.9                       | 85.0 | 86.3 | 88.5 | 89.5 | 89.8  | 90.0 | 90.4  | 90.4  | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| ≥ 300           | 60.9                       | 85.2 | 86.5 | 88.7 | 89.8 | 90.2  | 90.4 | 90.8  | 90.8  | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| ≥ 200           | 60.9                       | 85.2 | 86.5 | 88.9 | 90.4 | 90.8  | 91.2 | 91.5  | 91.5  | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| ≥ 100           | 60.9                       | 85.2 | 86.5 | 88.9 | 90.4 | 90.8  | 91.2 | 91.5  | 91.5  | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| ≥ 0             | 60.9                       | 85.2 | 86.5 | 88.9 | 90.4 | 90.8  | 91.2 | 91.5  | 91.5  | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |

TOTAL NUMBER OF OBSERVATIONS

532

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

68-70, 73-79

JA, 1

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

| CEILING<br>FEET | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 | ≥10                        | ≥6   | ≥5   | ≥4   | ≥3   | ≥2.5 | ≥2   | ≥1.5 | ≥1.4 | ≥1   | ≥.8  | ≥.6  | ≥.5  | ≥.4  | ≥.3  | ≥.2   |
| NO CEILING      | 48.9                       | 55.3 | 55.5 | 55.6 | 55.8 | 55.8 | 55.9 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.1 | 56.2 | 56.4  |
| ≥ 20000         | 52.9                       | 59.9 | 60.1 | 60.3 | 60.5 | 60.6 | 60.6 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.8 | 60.9 | 60.9 | 61.1  |
| ≥ 18000         | 54.1                       | 61.2 | 61.4 | 61.6 | 61.8 | 61.8 | 61.9 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.2 | 62.2 | 62.4  |
| ≥ 16000         | 55.6                       | 62.8 | 63.1 | 63.3 | 63.5 | 63.6 | 63.6 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.8 | 63.9 | 64.0 | 64.1  |
| ≥ 14000         | 56.6                       | 64.2 | 64.4 | 64.6 | 64.9 | 64.9 | 65.0 | 65.1 | 65.1 | 65.1 | 65.1 | 65.2 | 65.3 | 65.3 | 65.5 | 65.7  |
| ≥ 12000         | 57.5                       | 65.3 | 65.5 | 65.8 | 66.1 | 66.2 | 66.2 | 66.3 | 66.3 | 66.3 | 66.3 | 66.4 | 66.5 | 66.6 | 66.7 | 66.9  |
| ≥ 10000         | 58.2                       | 66.1 | 66.4 | 66.7 | 67.0 | 67.0 | 67.1 | 67.2 | 67.2 | 67.2 | 67.2 | 67.3 | 67.4 | 67.4 | 67.6 | 67.8  |
| ≥ 9000          | 58.6                       | 66.6 | 66.9 | 67.2 | 67.5 | 67.5 | 67.6 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.9 | 67.9 | 68.1 | 68.3  |
| ≥ 8000          | 59.3                       | 67.5 | 67.8 | 68.2 | 68.4 | 68.5 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.7 | 68.8 | 68.9 | 69.1 | 69.2  |
| ≥ 7000          | 59.8                       | 68.5 | 68.8 | 69.2 | 69.5 | 69.6 | 69.6 | 69.7 | 69.7 | 69.7 | 69.7 | 69.8 | 69.9 | 70.0 | 70.2 | 70.3  |
| ≥ 6000          | 60.8                       | 69.8 | 70.1 | 70.6 | 70.9 | 70.9 | 71.0 | 71.1 | 71.1 | 71.1 | 71.1 | 71.2 | 71.3 | 71.4 | 71.5 | 71.7  |
| ≥ 5000          | 61.4                       | 70.9 | 71.3 | 71.7 | 72.0 | 72.1 | 72.2 | 72.3 | 72.3 | 72.3 | 72.3 | 72.4 | 72.5 | 72.5 | 72.7 | 72.9  |
| ≥ 4500          | 62.3                       | 71.9 | 72.3 | 72.8 | 73.1 | 73.2 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.4 | 73.5 | 73.6 | 73.8 | 73.9  |
| ≥ 4000          | 63.4                       | 73.9 | 74.4 | 74.9 | 75.2 | 75.3 | 75.4 | 75.5 | 75.5 | 75.5 | 75.5 | 75.6 | 75.7 | 75.8 | 75.9 | 76.1  |
| ≥ 3500          | 64.3                       | 75.3 | 75.9 | 76.4 | 76.8 | 76.8 | 77.0 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.3 | 77.3 | 77.5 | 77.7  |
| ≥ 3000          | 65.7                       | 77.2 | 77.8 | 78.4 | 78.8 | 78.9 | 79.0 | 79.1 | 79.1 | 79.1 | 79.1 | 79.2 | 79.4 | 79.4 | 79.6 | 79.7  |
| ≥ 2500          | 67.2                       | 79.6 | 80.2 | 80.8 | 81.3 | 81.4 | 81.6 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.9 | 82.0 | 82.1 | 82.3  |
| ≥ 2000          | 68.4                       | 82.0 | 82.7 | 83.4 | 83.9 | 84.0 | 84.2 | 84.3 | 84.3 | 84.3 | 84.3 | 84.4 | 84.6 | 84.6 | 84.8 | 85.0  |
| ≥ 1800          | 68.9                       | 83.0 | 83.8 | 84.4 | 84.9 | 85.1 | 85.2 | 85.4 | 85.4 | 85.4 | 85.4 | 85.5 | 85.6 | 85.7 | 85.9 | 86.0  |
| ≥ 1500          | 69.5                       | 84.4 | 85.3 | 86.0 | 86.6 | 86.8 | 87.0 | 87.2 | 87.2 | 87.2 | 87.2 | 87.3 | 87.4 | 87.5 | 87.7 | 87.8  |
| ≥ 1200          | 69.9                       | 85.5 | 86.5 | 87.4 | 88.1 | 88.3 | 88.6 | 88.8 | 88.8 | 88.8 | 88.8 | 88.9 | 89.1 | 89.2 | 89.3 | 89.5  |
| ≥ 1000          | 70.0                       | 86.3 | 87.4 | 88.3 | 89.0 | 89.2 | 89.5 | 89.7 | 89.7 | 89.7 | 89.8 | 89.8 | 89.9 | 90.1 | 90.1 | 90.5  |
| ≥ 900           | 70.2                       | 86.8 | 88.0 | 89.0 | 89.7 | 90.0 | 90.3 | 90.5 | 90.5 | 90.5 | 90.5 | 90.6 | 90.7 | 90.8 | 90.9 | 91.1  |
| ≥ 800           | 70.4                       | 87.4 | 88.6 | 89.6 | 90.4 | 90.7 | 91.1 | 91.2 | 91.2 | 91.2 | 91.3 | 91.3 | 91.4 | 91.6 | 91.6 | 91.8  |
| ≥ 700           | 70.5                       | 87.7 | 89.1 | 90.3 | 91.1 | 91.3 | 91.8 | 91.9 | 92.0 | 92.0 | 92.0 | 92.1 | 92.3 | 92.4 | 92.5 | 92.7  |
| ≥ 600           | 70.5                       | 88.1 | 89.6 | 90.7 | 91.6 | 91.9 | 92.3 | 92.5 | 92.5 | 92.5 | 92.6 | 92.7 | 92.9 | 92.9 | 93.1 | 93.3  |
| ≥ 500           | 70.6                       | 88.3 | 89.9 | 91.2 | 92.2 | 92.5 | 93.0 | 93.3 | 93.3 | 93.3 | 93.4 | 93.5 | 93.6 | 93.8 | 93.8 | 94.0  |
| ≥ 400           | 70.6                       | 88.7 | 90.4 | 91.8 | 93.0 | 93.3 | 93.8 | 94.2 | 94.2 | 94.2 | 94.4 | 94.6 | 94.7 | 94.9 | 95.0 | 95.4  |
| ≥ 300           | 70.6                       | 88.8 | 90.4 | 91.9 | 93.2 | 93.5 | 94.1 | 94.5 | 94.6 | 94.9 | 95.1 | 95.3 | 95.5 | 95.6 | 95.9 | 96.2  |
| ≥ 200           | 70.6                       | 88.8 | 90.4 | 92.0 | 93.3 | 93.6 | 94.4 | 94.8 | 94.9 | 95.4 | 95.7 | 95.9 | 96.3 | 96.5 | 97.3 | 98.2  |
| ≥ 100           | 70.6                       | 88.8 | 90.4 | 92.0 | 93.3 | 93.6 | 94.4 | 94.9 | 95.0 | 95.4 | 95.8 | 96.1 | 96.5 | 96.8 | 97.8 | 99.8  |
| ≥ 0             | 70.6                       | 88.8 | 90.4 | 92.0 | 93.3 | 93.6 | 94.4 | 94.9 | 95.0 | 95.4 | 95.8 | 96.1 | 96.5 | 96.8 | 97.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

4896

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

18-70.73

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |       |      |       |      |       |        |        |       |        |         |        |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|------|-------|--------|--------|-------|--------|---------|--------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ 0.5 | ≥ 0.25 | ≥ 0.15 | ≥ 0.1 | ≥ 0.05 | ≥ 0.025 | ≥ 0.01 |
| NO CEILING      | 34.8                       | 46.6 | 46.9 | 47.5 | 47.8 | 48.1  | 48.4 | 48.4  | 48.4 | 48.7  | 48.7   | 49.0   | 49.0  | 49.9   | 50.1    | 50.4   |
| ≥ 20000         | 36.3                       | 48.4 | 48.7 | 49.3 | 49.6 | 49.9  | 50.1 | 50.1  | 50.1 | 50.4  | 50.4   | 50.7   | 50.7  | 51.6   | 51.9    | 52.4   |
| ≥ 18000         | 36.9                       | 49.0 | 49.3 | 49.9 | 50.1 | 50.4  | 50.7 | 50.7  | 50.7 | 51.0  | 51.0   | 51.3   | 51.3  | 52.2   | 52.5    | 52.8   |
| ≥ 16000         | 37.8                       | 50.1 | 50.4 | 51.0 | 51.3 | 51.6  | 51.9 | 51.9  | 51.9 | 52.2  | 52.2   | 52.5   | 52.5  | 53.4   | 53.7    | 54.0   |
| ≥ 14000         | 39.5                       | 51.9 | 52.2 | 52.8 | 53.1 | 53.4  | 53.7 | 53.7  | 53.7 | 54.0  | 54.0   | 54.3   | 54.3  | 55.2   | 55.5    | 55.8   |
| ≥ 12000         | 40.7                       | 53.1 | 53.4 | 54.0 | 54.3 | 54.6  | 54.9 | 54.9  | 54.9 | 55.2  | 55.2   | 55.5   | 55.5  | 56.3   | 56.6    | 56.9   |
| ≥ 10000         | 42.5                       | 55.8 | 56.0 | 56.6 | 56.9 | 57.2  | 57.5 | 57.5  | 57.5 | 57.8  | 57.8   | 58.1   | 58.1  | 59.0   | 59.3    | 59.6   |
| ≥ 9000          | 43.4                       | 56.6 | 56.9 | 57.5 | 57.8 | 58.1  | 58.4 | 58.4  | 58.4 | 58.7  | 58.7   | 59.0   | 59.0  | 59.9   | 60.2    | 60.5   |
| ≥ 8000          | 44.8                       | 58.4 | 58.7 | 59.3 | 59.6 | 59.9  | 60.2 | 60.2  | 60.2 | 60.5  | 60.5   | 60.8   | 60.8  | 61.7   | 61.9    | 62.2   |
| ≥ 7000          | 45.1                       | 58.7 | 59.0 | 59.6 | 59.9 | 60.2  | 60.5 | 60.5  | 60.5 | 60.8  | 60.8   | 61.1   | 61.1  | 61.9   | 62.2    | 62.5   |
| ≥ 6000          | 48.1                       | 62.8 | 63.1 | 63.7 | 64.0 | 64.3  | 64.6 | 64.6  | 64.6 | 64.9  | 64.9   | 65.2   | 65.2  | 66.1   | 66.4    | 66.7   |
| ≥ 5000          | 49.3                       | 65.5 | 65.8 | 66.4 | 66.7 | 67.0  | 67.3 | 67.3  | 67.3 | 67.6  | 67.6   | 67.8   | 67.8  | 68.7   | 69.0    | 69.3   |
| ≥ 4500          | 49.9                       | 66.7 | 67.3 | 67.8 | 68.1 | 68.4  | 68.7 | 68.7  | 68.7 | 69.0  | 69.0   | 69.3   | 69.3  | 70.2   | 70.5    | 70.8   |
| ≥ 4000          | 51.0                       | 68.1 | 68.7 | 69.3 | 69.6 | 69.9  | 70.2 | 70.2  | 70.2 | 70.5  | 70.5   | 70.8   | 70.8  | 71.7   | 72.0    | 72.3   |
| ≥ 3500          | 52.2                       | 69.3 | 69.9 | 70.5 | 70.8 | 71.1  | 71.4 | 71.4  | 71.4 | 71.7  | 71.7   | 72.0   | 72.0  | 72.9   | 73.2    | 73.5   |
| ≥ 3000          | 52.8                       | 70.8 | 71.7 | 72.3 | 72.6 | 72.9  | 73.2 | 73.2  | 73.2 | 73.5  | 73.5   | 73.7   | 74.0  | 74.9   | 75.2    | 75.5   |
| ≥ 2500          | 53.7                       | 73.5 | 74.3 | 74.9 | 75.2 | 75.5  | 75.8 | 75.8  | 75.8 | 76.1  | 76.1   | 76.4   | 76.7  | 77.6   | 77.9    | 78.2   |
| ≥ 2000          | 56.3                       | 78.5 | 79.4 | 79.9 | 80.2 | 80.5  | 80.8 | 80.8  | 80.8 | 81.1  | 81.1   | 81.4   | 81.7  | 82.6   | 82.9    | 83.2   |
| ≥ 1800          | 56.6                       | 80.8 | 81.7 | 82.3 | 82.6 | 82.9  | 83.2 | 83.2  | 83.2 | 83.5  | 83.5   | 83.8   | 84.1  | 85.0   | 85.3    | 85.5   |
| ≥ 1500          | 57.2                       | 83.8 | 84.7 | 85.3 | 85.5 | 85.8  | 86.1 | 86.1  | 86.1 | 86.4  | 86.4   | 86.7   | 87.0  | 87.9   | 88.2    | 88.5   |
| ≥ 1200          | 57.5                       | 85.5 | 86.4 | 87.3 | 87.6 | 87.9  | 88.2 | 88.2  | 88.2 | 88.5  | 88.5   | 88.8   | 89.1  | 90.0   | 90.3    | 90.6   |
| ≥ 1000          | 57.5                       | 86.4 | 87.3 | 88.2 | 89.1 | 89.4  | 89.7 | 89.7  | 89.7 | 90.0  | 90.0   | 90.3   | 90.6  | 91.4   | 91.7    | 92.0   |
| ≥ 900           | 57.5                       | 86.4 | 87.3 | 88.2 | 89.1 | 89.4  | 89.7 | 89.7  | 89.7 | 90.0  | 90.0   | 90.3   | 90.6  | 91.4   | 91.7    | 92.0   |
| ≥ 800           | 57.5                       | 86.4 | 87.3 | 88.2 | 89.1 | 89.4  | 89.7 | 89.7  | 89.7 | 90.0  | 90.0   | 90.3   | 90.6  | 91.4   | 91.7    | 92.0   |
| ≥ 700           | 57.5                       | 86.7 | 87.9 | 88.8 | 89.7 | 90.0  | 90.3 | 90.3  | 90.3 | 90.6  | 90.6   | 90.9   | 91.2  | 92.0   | 92.3    | 92.6   |
| ≥ 600           | 57.5                       | 87.3 | 88.5 | 89.4 | 90.3 | 90.6  | 90.9 | 90.9  | 90.9 | 91.2  | 91.2   | 91.4   | 91.7  | 92.6   | 92.9    | 93.2   |
| ≥ 500           | 57.5                       | 87.9 | 89.1 | 90.0 | 91.2 | 91.4  | 91.7 | 91.7  | 91.7 | 92.0  | 92.0   | 92.3   | 92.6  | 93.5   | 93.8    | 94.1   |
| ≥ 400           | 57.5                       | 88.2 | 89.7 | 90.9 | 92.3 | 92.6  | 92.9 | 93.2  | 93.2 | 93.5  | 93.5   | 93.8   | 94.1  | 95.0   | 95.3    | 95.6   |
| ≥ 300           | 57.5                       | 88.2 | 89.7 | 90.9 | 92.3 | 92.6  | 92.9 | 93.5  | 93.5 | 93.8  | 93.8   | 94.1   | 94.4  | 95.3   | 95.6    | 95.9   |
| ≥ 200           | 57.5                       | 88.2 | 89.7 | 90.9 | 92.3 | 92.6  | 92.9 | 93.5  | 93.5 | 94.4  | 94.4   | 94.7   | 95.3  | 95.6   | 96.5    | 97.3   |
| ≥ 100           | 57.5                       | 88.2 | 89.7 | 90.9 | 92.3 | 92.6  | 92.9 | 93.5  | 93.5 | 94.4  | 94.4   | 94.7   | 95.3  | 95.6   | 96.5    | 97.3   |
| ≥ 0             | 57.5                       | 88.2 | 89.7 | 90.9 | 92.3 | 92.6  | 92.9 | 93.5  | 93.5 | 94.4  | 94.4   | 94.7   | 95.3  | 95.6   | 96.5    | 97.3   |

TOTAL NUMBER OF OBSERVATIONS

339

USAF ETAC 0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

1973

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |       |       |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
|                 | ≥10                      | ≥9   | ≥8   | ≥7   | ≥6   | ≥5   | ≥4   | ≥3   | ≥2   | ≥1   | ≥1/2 | ≥1/4 | ≥1/8 | ≥1/16 | ≥1/32 | ≥1/64 |
| NO CEILING      | 35.1                     | 45.1 | 45.1 | 45.7 | 46.3 | 46.3 | 46.3 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.9  | 48.1  | 50.1  |
| ≥ 20000         | 37.8                     | 47.8 | 47.8 | 48.4 | 49.0 | 49.0 | 49.0 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.6  | 50.7  | 52.8  |
| ≥ 18000         | 38.6                     | 48.6 | 48.6 | 49.2 | 49.8 | 49.8 | 49.8 | 50.1 | 50.1 | 50.1 | 50.4 | 50.4 | 50.4 | 50.7  | 51.9  | 54.0  |
| ≥ 16000         | 38.6                     | 49.9 | 49.9 | 50.4 | 51.0 | 51.0 | 51.0 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.6  | 52.8  | 54.9  |
| ≥ 14000         | 39.5                     | 51.0 | 51.0 | 51.6 | 52.2 | 52.2 | 52.2 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.8  | 54.0  | 56.0  |
| ≥ 12000         | 40.7                     | 52.5 | 52.5 | 53.1 | 53.7 | 53.7 | 53.7 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.3  | 55.5  | 57.5  |
| ≥ 10000         | 42.5                     | 54.9 | 54.9 | 55.5 | 56.0 | 56.0 | 56.0 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.6  | 57.8  | 59.9  |
| ≥ 9000          | 42.8                     | 55.2 | 55.2 | 55.8 | 56.3 | 56.3 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.9  | 58.1  | 60.2  |
| ≥ 8000          | 43.1                     | 55.5 | 55.5 | 56.0 | 56.6 | 56.6 | 56.6 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 57.2  | 58.4  | 60.5  |
| ≥ 7000          | 44.8                     | 57.2 | 57.2 | 57.8 | 58.4 | 58.4 | 58.4 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 59.0  | 60.2  | 62.2  |
| ≥ 6000          | 46.6                     | 61.4 | 61.4 | 61.9 | 62.5 | 62.5 | 62.5 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 63.1  | 64.3  | 66.4  |
| ≥ 5000          | 49.0                     | 65.5 | 65.5 | 66.1 | 66.7 | 66.7 | 66.7 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.3  | 68.5  | 70.5  |
| ≥ 4500          | 49.0                     | 66.7 | 66.7 | 67.3 | 67.8 | 67.8 | 67.8 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.4  | 69.6  | 71.7  |
| ≥ 4000          | 51.0                     | 69.0 | 69.0 | 69.6 | 70.2 | 70.2 | 70.2 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.8  | 72.0  | 74.0  |
| ≥ 3500          | 51.3                     | 70.2 | 70.2 | 70.8 | 71.4 | 71.4 | 71.4 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 72.0  | 73.2  | 75.2  |
| ≥ 3000          | 52.5                     | 72.0 | 72.0 | 72.6 | 73.2 | 73.2 | 73.2 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.8  | 75.0  | 77.0  |
| ≥ 2500          | 53.7                     | 74.0 | 74.0 | 74.6 | 75.2 | 75.2 | 75.2 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.8  | 77.0  | 79.0  |
| ≥ 2000          | 55.2                     | 77.3 | 77.3 | 77.9 | 78.5 | 78.5 | 78.5 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 79.1  | 80.3  | 82.3  |
| ≥ 1800          | 55.5                     | 79.1 | 79.1 | 79.7 | 80.3 | 80.3 | 80.3 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.9  | 82.1  | 84.1  |
| ≥ 1600          | 56.6                     | 82.9 | 82.9 | 83.5 | 84.1 | 84.1 | 84.1 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.7  | 85.9  | 87.9  |
| ≥ 1400          | 56.9                     | 84.4 | 84.4 | 85.0 | 85.6 | 85.6 | 85.6 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 86.2  | 87.4  | 89.4  |
| ≥ 1200          | 58.1                     | 85.8 | 85.8 | 86.4 | 87.0 | 87.0 | 87.0 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.6  | 88.8  | 90.8  |
| ≥ 1000          | 58.4                     | 86.4 | 86.4 | 87.0 | 87.6 | 87.6 | 87.6 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 88.2  | 89.4  | 91.4  |
| ≥ 900           | 58.4                     | 86.7 | 86.7 | 87.3 | 87.9 | 87.9 | 87.9 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.5  | 89.7  | 91.7  |
| ≥ 800           | 58.4                     | 86.7 | 86.7 | 87.3 | 87.9 | 87.9 | 87.9 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.5  | 89.7  | 91.7  |
| ≥ 700           | 58.4                     | 86.7 | 86.7 | 87.3 | 87.9 | 87.9 | 87.9 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.5  | 89.7  | 91.7  |
| ≥ 600           | 58.4                     | 86.7 | 86.7 | 87.3 | 87.9 | 87.9 | 87.9 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.5  | 89.7  | 91.7  |
| ≥ 500           | 58.4                     | 86.7 | 86.7 | 87.3 | 87.9 | 87.9 | 87.9 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.5  | 89.7  | 91.7  |
| ≥ 400           | 58.4                     | 86.7 | 86.7 | 87.3 | 87.9 | 87.9 | 87.9 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.5  | 89.7  | 91.7  |
| ≥ 300           | 58.4                     | 86.7 | 86.7 | 87.3 | 87.9 | 87.9 | 87.9 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.5  | 89.7  | 91.7  |
| ≥ 200           | 58.4                     | 86.7 | 86.7 | 87.3 | 87.9 | 87.9 | 87.9 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.5  | 89.7  | 91.7  |
| ≥ 100           | 58.4                     | 86.7 | 86.7 | 87.3 | 87.9 | 87.9 | 87.9 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.5  | 89.7  | 91.7  |
| ≥ 0             | 58.4                     | 86.7 | 86.7 | 87.3 | 87.9 | 87.9 | 87.9 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.5  | 89.7  | 91.7  |

TOTAL NUMBER OF OBSERVATIONS

339

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

18-70, 73-79

554

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0500

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 | ≥10                      | ≥6   | ≥5   | ≥4   | ≥3   | ≥2   | ≥2   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1    |
| NO CEILING      | 46.2                     | 51.1 | 51.6 | 52.2 | 52.7 | 52.7 | 52.9 | 52.9 | 52.9 | 53.2 | 53.6 | 53.6 | 53.9 | 54.3 | 54.9 | 55.2  |
| ≥ 20000         | 48.0                     | 53.8 | 54.3 | 54.8 | 55.4 | 55.4 | 55.7 | 55.7 | 55.7 | 56.1 | 56.5 | 56.5 | 56.8 | 57.2 | 57.3 | 58.2  |
| ≥ 18000         | 48.2                     | 53.9 | 54.5 | 55.0 | 55.6 | 55.6 | 55.9 | 55.9 | 55.9 | 56.3 | 56.6 | 56.6 | 57.0 | 57.3 | 57.5 | 58.4  |
| ≥ 16000         | 48.7                     | 55.2 | 55.7 | 56.3 | 56.8 | 56.8 | 57.2 | 57.2 | 57.2 | 57.5 | 57.9 | 57.9 | 58.2 | 58.6 | 58.8 | 59.7  |
| ≥ 14000         | 50.5                     | 57.3 | 57.9 | 58.4 | 59.0 | 59.0 | 59.3 | 59.3 | 59.3 | 59.7 | 60.0 | 60.0 | 60.4 | 60.8 | 61.1 | 62.0  |
| ≥ 12000         | 51.3                     | 58.2 | 58.8 | 59.3 | 59.9 | 59.9 | 60.2 | 60.2 | 60.2 | 60.6 | 60.9 | 60.9 | 61.3 | 61.6 | 62.0 | 62.9  |
| ≥ 10000         | 52.5                     | 59.5 | 60.0 | 60.6 | 61.3 | 61.3 | 61.6 | 61.6 | 61.6 | 62.0 | 62.4 | 62.4 | 62.7 | 63.1 | 63.4 | 64.4  |
| ≥ 9000          | 53.6                     | 60.9 | 61.5 | 62.0 | 62.7 | 62.7 | 63.1 | 63.1 | 63.1 | 63.4 | 63.8 | 63.8 | 64.2 | 64.5 | 64.9 | 65.9  |
| ≥ 8000          | 54.5                     | 62.0 | 62.5 | 63.1 | 63.8 | 63.8 | 64.2 | 64.2 | 64.2 | 64.5 | 64.9 | 64.9 | 65.2 | 65.6 | 65.9 | 67.0  |
| ≥ 7000          | 56.1                     | 63.6 | 64.2 | 64.9 | 65.6 | 65.6 | 65.9 | 66.1 | 66.1 | 66.5 | 66.8 | 66.8 | 67.2 | 67.6 | 67.9 | 69.0  |
| ≥ 6000          | 57.0                     | 65.1 | 65.8 | 66.7 | 67.4 | 67.4 | 67.7 | 67.9 | 67.9 | 68.3 | 68.6 | 68.6 | 69.0 | 69.4 | 69.7 | 70.8  |
| ≥ 5000          | 57.9                     | 66.3 | 67.4 | 68.3 | 69.0 | 69.0 | 69.4 | 69.5 | 69.5 | 69.9 | 70.3 | 70.3 | 70.6 | 71.0 | 71.3 | 72.4  |
| ≥ 4500          | 58.4                     | 67.2 | 68.3 | 69.2 | 69.9 | 69.9 | 70.3 | 70.4 | 70.4 | 70.8 | 71.1 | 71.1 | 71.5 | 71.9 | 72.2 | 73.3  |
| ≥ 4000          | 60.4                     | 69.5 | 70.6 | 71.5 | 72.2 | 72.2 | 72.6 | 72.8 | 72.8 | 73.1 | 73.5 | 73.5 | 73.8 | 74.2 | 74.6 | 75.6  |
| ≥ 3500          | 61.3                     | 71.0 | 72.0 | 72.9 | 73.7 | 73.7 | 74.0 | 74.2 | 74.2 | 74.6 | 74.9 | 74.9 | 75.3 | 75.6 | 76.0 | 77.1  |
| ≥ 3000          | 61.6                     | 72.0 | 73.1 | 74.0 | 74.7 | 74.7 | 75.1 | 75.3 | 75.3 | 75.6 | 76.0 | 76.0 | 76.3 | 76.7 | 77.1 | 78.1  |
| ≥ 2500          | 62.5                     | 74.4 | 75.4 | 76.3 | 77.1 | 77.1 | 77.4 | 77.6 | 77.6 | 78.0 | 78.3 | 78.3 | 78.7 | 79.0 | 79.4 | 80.5  |
| ≥ 2000          | 63.6                     | 76.9 | 78.0 | 79.0 | 79.7 | 79.7 | 80.1 | 80.3 | 80.3 | 80.6 | 81.0 | 81.0 | 81.4 | 81.7 | 82.1 | 83.2  |
| ≥ 1800          | 64.5                     | 78.9 | 80.1 | 81.2 | 81.9 | 81.9 | 82.4 | 82.6 | 82.6 | 83.0 | 83.3 | 83.3 | 83.7 | 84.1 | 84.4 | 85.5  |
| ≥ 1500          | 65.4                     | 80.8 | 82.1 | 83.2 | 83.9 | 83.9 | 84.4 | 84.6 | 84.6 | 84.9 | 85.3 | 85.3 | 85.7 | 86.0 | 86.4 | 87.5  |
| ≥ 1200          | 65.4                     | 81.9 | 83.2 | 84.6 | 85.5 | 85.8 | 86.6 | 86.7 | 86.7 | 87.1 | 87.5 | 87.5 | 87.8 | 88.2 | 88.5 | 89.6  |
| ≥ 1000          | 65.8                     | 82.6 | 84.1 | 85.5 | 86.7 | 87.3 | 88.2 | 88.4 | 88.4 | 88.7 | 89.1 | 89.1 | 89.4 | 89.8 | 90.1 | 91.2  |
| ≥ 900           | 65.9                     | 83.2 | 84.6 | 86.0 | 87.3 | 88.0 | 89.1 | 89.2 | 89.2 | 89.6 | 90.0 | 90.0 | 90.3 | 90.7 | 91.0 | 92.1  |
| ≥ 800           | 66.1                     | 83.3 | 85.1 | 86.6 | 88.0 | 88.5 | 89.6 | 89.8 | 89.8 | 90.1 | 90.5 | 90.5 | 90.9 | 91.2 | 91.6 | 92.7  |
| ≥ 700           | 66.3                     | 83.5 | 85.3 | 86.9 | 88.5 | 89.1 | 90.1 | 90.3 | 90.3 | 90.7 | 91.0 | 91.0 | 91.4 | 91.8 | 92.1 | 93.2  |
| ≥ 600           | 66.5                     | 83.9 | 85.8 | 87.5 | 89.1 | 89.6 | 90.9 | 91.2 | 91.2 | 91.6 | 91.9 | 91.9 | 92.3 | 92.7 | 93.0 | 94.1  |
| ≥ 500           | 66.5                     | 83.9 | 85.8 | 87.8 | 89.4 | 90.0 | 91.2 | 91.6 | 91.6 | 91.9 | 92.3 | 92.3 | 92.7 | 93.0 | 93.4 | 94.4  |
| ≥ 400           | 66.5                     | 84.1 | 86.0 | 88.0 | 89.8 | 90.3 | 91.6 | 91.9 | 91.9 | 92.3 | 92.7 | 92.7 | 93.0 | 93.4 | 93.7 | 94.8  |
| ≥ 300           | 66.5                     | 84.2 | 86.2 | 88.4 | 90.1 | 90.7 | 92.1 | 92.5 | 92.5 | 93.0 | 93.4 | 93.4 | 93.9 | 94.3 | 94.6 | 95.9  |
| ≥ 200           | 66.5                     | 84.2 | 86.2 | 88.4 | 90.3 | 90.9 | 92.3 | 92.7 | 92.7 | 93.4 | 93.9 | 93.9 | 94.6 | 95.0 | 95.3 | 97.7  |
| ≥ 100           | 66.5                     | 84.2 | 86.2 | 88.4 | 90.3 | 90.9 | 92.3 | 92.7 | 92.7 | 93.4 | 93.9 | 93.9 | 94.6 | 95.0 | 95.5 | 99.5  |
| ≥ 0             | 66.5                     | 84.2 | 86.2 | 88.4 | 90.3 | 90.9 | 92.3 | 92.7 | 92.7 | 93.4 | 93.9 | 93.9 | 94.6 | 95.0 | 95.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

558

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

8-70, 73-79

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |       |      |      |      |       |      |       |       |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|-------|------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1.4 | ≥ 1  | ≥ .4 | ≥ .3 | ≥ .25 | ≥ .2 | ≥ .15 | ≥ .1  |
| NO CEILING      | 51.9                     | 56.2 | 56.7 | 57.3 | 57.6 | 57.6  | 57.6 | 57.7  | 57.7  | 57.7 | 57.8 | 57.8 | 58.0  | 58.0 | 58.0  | 58.0  |
| ≥ 20000         | 54.8                     | 59.6 | 60.2 | 60.7 | 61.0 | 61.0  | 61.3 | 61.4  | 61.4  | 61.4 | 61.6 | 61.6 | 61.7  | 61.7 | 61.7  | 61.9  |
| ≥ 18000         | 55.1                     | 59.9 | 60.5 | 61.0 | 61.3 | 61.4  | 61.7 | 61.9  | 61.9  | 61.9 | 62.0 | 62.0 | 62.1  | 62.1 | 62.1  | 62.3  |
| ≥ 16000         | 55.8                     | 60.6 | 61.2 | 61.7 | 62.1 | 62.4  | 62.7 | 62.8  | 62.8  | 62.8 | 63.0 | 63.0 | 63.1  | 63.1 | 63.1  | 63.2  |
| ≥ 14000         | 57.1                     | 62.4 | 63.0 | 63.5 | 63.9 | 64.2  | 64.5 | 64.6  | 64.6  | 64.6 | 64.8 | 64.8 | 64.9  | 64.9 | 64.9  | 65.0  |
| ≥ 12000         | 58.1                     | 63.5 | 64.1 | 64.6 | 65.0 | 65.3  | 65.6 | 65.7  | 65.7  | 65.7 | 65.9 | 65.9 | 66.0  | 66.0 | 66.0  | 66.2  |
| ≥ 10000         | 60.6                     | 66.0 | 66.6 | 67.1 | 67.5 | 67.8  | 68.1 | 68.2  | 68.2  | 68.2 | 68.4 | 68.4 | 68.5  | 68.5 | 68.5  | 68.7  |
| ≥ 9000          | 61.0                     | 66.4 | 67.0 | 67.5 | 68.0 | 68.2  | 68.5 | 68.7  | 68.7  | 68.7 | 68.8 | 68.8 | 68.9  | 68.9 | 68.9  | 69.1  |
| ≥ 8000          | 61.7                     | 67.1 | 67.8 | 68.4 | 68.9 | 69.5  | 69.8 | 69.9  | 69.9  | 69.9 | 70.0 | 70.0 | 70.2  | 70.2 | 70.2  | 70.4  |
| ≥ 7000          | 63.1                     | 68.7 | 69.3 | 70.0 | 70.6 | 71.2  | 71.4 | 71.6  | 71.6  | 71.6 | 71.7 | 71.7 | 71.8  | 71.8 | 71.8  | 72.0  |
| ≥ 6000          | 64.2                     | 69.9 | 70.6 | 71.3 | 71.8 | 72.4  | 72.7 | 72.8  | 72.8  | 72.8 | 73.0 | 73.0 | 73.1  | 73.1 | 73.1  | 73.2  |
| ≥ 5000          | 65.0                     | 71.0 | 71.7 | 72.4 | 73.0 | 73.5  | 73.8 | 73.9  | 73.9  | 73.9 | 74.1 | 74.1 | 74.2  | 74.2 | 74.2  | 74.3  |
| ≥ 4500          | 65.6                     | 72.0 | 72.7 | 73.4 | 73.9 | 74.5  | 74.8 | 74.9  | 74.9  | 74.9 | 75.0 | 75.0 | 75.2  | 75.2 | 75.2  | 75.3  |
| ≥ 4000          | 66.9                     | 73.6 | 74.3 | 75.2 | 75.7 | 76.3  | 76.6 | 76.7  | 76.7  | 76.7 | 76.8 | 76.8 | 77.0  | 77.0 | 77.0  | 77.1  |
| ≥ 3500          | 67.7                     | 74.6 | 75.3 | 76.1 | 76.7 | 77.3  | 77.5 | 77.7  | 77.7  | 77.7 | 77.8 | 77.8 | 77.9  | 77.9 | 77.9  | 78.1  |
| ≥ 3000          | 68.5                     | 76.0 | 76.8 | 77.7 | 78.2 | 78.8  | 79.1 | 79.2  | 79.2  | 79.2 | 79.3 | 79.3 | 79.5  | 79.5 | 79.5  | 79.6  |
| ≥ 2500          | 70.3                     | 78.5 | 79.3 | 80.3 | 80.9 | 81.4  | 81.7 | 81.8  | 81.8  | 81.8 | 82.0 | 82.0 | 82.1  | 82.1 | 82.1  | 82.2  |
| ≥ 2000          | 73.1                     | 82.5 | 83.5 | 84.5 | 85.0 | 85.6  | 85.9 | 86.1  | 86.1  | 86.1 | 86.3 | 86.3 | 86.4  | 86.4 | 86.4  | 86.5  |
| ≥ 1800          | 74.1                     | 84.7 | 85.7 | 86.7 | 87.2 | 87.8  | 88.1 | 88.3  | 88.3  | 88.3 | 88.5 | 88.5 | 88.6  | 88.6 | 88.6  | 88.8  |
| ≥ 1500          | 75.0                     | 86.7 | 87.9 | 89.3 | 89.9 | 90.6  | 91.0 | 91.3  | 91.3  | 91.3 | 91.4 | 91.4 | 91.5  | 91.5 | 91.5  | 91.7  |
| ≥ 1200          | 75.3                     | 87.9 | 89.3 | 91.0 | 91.7 | 92.5  | 93.1 | 93.3  | 93.3  | 93.3 | 93.5 | 93.5 | 93.6  | 93.6 | 93.6  | 93.8  |
| ≥ 1000          | 75.3                     | 88.3 | 90.3 | 92.1 | 92.8 | 93.6  | 94.2 | 94.6  | 94.6  | 94.6 | 94.7 | 94.7 | 94.9  | 94.9 | 94.9  | 95.0  |
| ≥ 900           | 75.6                     | 88.8 | 90.8 | 92.8 | 93.6 | 94.5  | 95.1 | 95.6  | 95.6  | 95.6 | 95.7 | 95.7 | 95.8  | 95.8 | 95.8  | 96.0  |
| ≥ 800           | 75.6                     | 88.9 | 91.0 | 93.1 | 93.9 | 94.7  | 95.4 | 95.8  | 95.8  | 95.8 | 96.0 | 96.0 | 96.1  | 96.1 | 96.1  | 96.3  |
| ≥ 700           | 75.6                     | 89.0 | 91.3 | 93.6 | 94.5 | 95.3  | 96.0 | 96.4  | 96.4  | 96.4 | 96.5 | 96.5 | 96.7  | 96.7 | 96.7  | 96.8  |
| ≥ 600           | 75.6                     | 89.2 | 91.4 | 94.0 | 94.9 | 95.7  | 96.5 | 96.9  | 96.9  | 96.9 | 97.1 | 97.1 | 97.2  | 97.2 | 97.2  | 97.4  |
| ≥ 500           | 75.6                     | 89.3 | 91.5 | 94.3 | 95.3 | 96.1  | 96.9 | 97.5  | 97.5  | 97.5 | 97.6 | 97.6 | 97.8  | 97.8 | 97.8  | 97.9  |
| ≥ 400           | 75.6                     | 89.6 | 92.1 | 95.1 | 96.1 | 96.9  | 97.8 | 98.3  | 98.3  | 98.3 | 98.5 | 98.5 | 98.6  | 98.6 | 98.6  | 98.8  |
| ≥ 300           | 75.6                     | 89.6 | 92.1 | 95.6 | 96.5 | 97.4  | 98.2 | 99.0  | 99.0  | 99.0 | 99.2 | 99.2 | 99.3  | 99.3 | 99.3  | 99.4  |
| ≥ 200           | 75.6                     | 89.6 | 92.1 | 95.6 | 96.5 | 97.4  | 98.2 | 99.0  | 99.0  | 99.0 | 99.2 | 99.2 | 99.3  | 99.3 | 99.4  | 99.7  |
| ≥ 100           | 75.6                     | 89.6 | 92.1 | 95.6 | 96.5 | 97.4  | 98.2 | 99.0  | 99.0  | 99.0 | 99.2 | 99.2 | 99.3  | 99.3 | 99.4  | 100.0 |
| ≥ 0             | 75.6                     | 89.6 | 92.1 | 95.6 | 96.5 | 97.4  | 98.2 | 99.0  | 99.0  | 99.0 | 99.2 | 99.2 | 99.3  | 99.3 | 99.4  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

721

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

8-70-73-79

Ft.

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |       |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|
|                 | ≥10                      | ≥6   | ≥5   | ≥4   | ≥3   | ≥2   | ≥2   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1    | ≥1    |
| NO CEILING      | 54.4                     | 60.1 | 60.8 | 61.0 | 61.0 | 61.0 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2  | 61.2  |
| ≥ 20000         | 58.4                     | 64.7 | 65.4 | 65.7 | 65.9 | 65.9 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0  | 66.0  |
| ≥ 18000         | 59.4                     | 65.6 | 66.4 | 66.9 | 67.0 | 67.0 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1  | 67.1  |
| ≥ 16000         | 59.8                     | 66.2 | 67.0 | 67.4 | 67.5 | 67.8 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1  | 68.1  |
| ≥ 14000         | 61.7                     | 68.8 | 69.8 | 70.2 | 70.3 | 70.6 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9  | 70.9  |
| ≥ 12000         | 62.6                     | 69.8 | 70.7 | 71.1 | 71.3 | 71.5 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8  | 71.8  |
| ≥ 10000         | 64.4                     | 71.5 | 72.5 | 72.9 | 73.1 | 73.3 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6  | 73.6  |
| ≥ 9000          | 65.1                     | 72.2 | 73.2 | 73.6 | 73.8 | 74.0 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3  | 74.3  |
| ≥ 8000          | 66.2                     | 73.3 | 74.3 | 74.7 | 75.0 | 75.3 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6  | 75.6  |
| ≥ 7000          | 67.3                     | 74.6 | 75.6 | 76.0 | 76.2 | 76.5 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8  | 76.8  |
| ≥ 6000          | 68.6                     | 76.0 | 76.9 | 77.3 | 77.8 | 78.0 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3  | 78.3  |
| ≥ 5000          | 69.5                     | 76.8 | 77.8 | 78.2 | 78.6 | 78.9 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1  | 79.1  |
| ≥ 4500          | 70.2                     | 77.5 | 78.5 | 78.9 | 79.3 | 79.6 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8  | 79.8  |
| ≥ 4000          | 71.4                     | 78.9 | 79.8 | 80.4 | 80.8 | 81.1 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4  | 81.4  |
| ≥ 3500          | 72.2                     | 79.7 | 80.7 | 81.2 | 81.6 | 81.9 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2  | 82.2  |
| ≥ 3000          | 74.0                     | 81.8 | 82.7 | 83.4 | 83.8 | 84.1 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4  | 84.4  |
| ≥ 2500          | 75.4                     | 83.1 | 84.1 | 84.9 | 85.5 | 85.8 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0  | 86.0  |
| ≥ 2000          | 78.9                     | 87.2 | 88.1 | 89.0 | 89.5 | 89.8 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1  | 90.1  |
| ≥ 1800          | 80.0                     | 88.3 | 89.4 | 90.2 | 90.7 | 91.0 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3  | 91.3  |
| ≥ 1500          | 80.5                     | 90.1 | 91.2 | 92.0 | 92.5 | 92.8 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1  | 93.1  |
| ≥ 1200          | 80.7                     | 90.5 | 92.4 | 93.2 | 93.9 | 94.3 | 94.6 | 94.6 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8  | 94.8  |
| ≥ 1000          | 80.9                     | 91.3 | 93.4 | 94.2 | 94.9 | 95.3 | 95.6 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7  | 95.7  |
| ≥ 900           | 80.9                     | 91.4 | 93.5 | 94.6 | 95.3 | 95.7 | 96.1 | 96.1 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3  | 96.3  |
| ≥ 800           | 81.1                     | 91.7 | 93.8 | 94.9 | 95.6 | 96.0 | 96.4 | 96.4 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5  | 96.5  |
| ≥ 700           | 81.1                     | 91.7 | 93.8 | 95.0 | 95.9 | 96.3 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8  | 96.8  |
| ≥ 600           | 81.1                     | 92.1 | 94.2 | 95.7 | 96.5 | 97.0 | 97.4 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5  | 97.5  |
| ≥ 500           | 81.1                     | 92.4 | 94.6 | 96.1 | 97.0 | 97.4 | 97.9 | 97.9 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3  | 98.3  |
| ≥ 400           | 81.1                     | 92.5 | 94.8 | 96.5 | 97.7 | 98.1 | 98.6 | 98.6 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0  | 99.0  |
| ≥ 300           | 81.1                     | 92.5 | 94.8 | 96.7 | 98.1 | 98.5 | 99.0 | 99.2 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7  | 99.7  |
| ≥ 200           | 81.1                     | 92.5 | 94.8 | 96.7 | 98.1 | 98.5 | 99.0 | 99.2 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7  | 99.7  |
| ≥ 100           | 81.1                     | 92.5 | 94.8 | 96.7 | 98.1 | 98.5 | 99.2 | 99.3 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 50            | 81.1                     | 92.5 | 94.8 | 96.7 | 98.1 | 98.5 | 99.2 | 99.3 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

724

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

18-70,73-79

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 | ≥10                      | ≥6   | ≥5   | ≥4   | ≥3   | ≥2   | ≥2   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1    |
| NO CEILING      | 48.6                     | 52.8 | 54.0 | 54.3 | 54.7 | 54.7 | 54.9 | 54.9 | 54.9 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0  |
| ≥ 20000         | 53.5                     | 59.2 | 60.6 | 60.8 | 61.7 | 61.7 | 61.8 | 61.8 | 61.8 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9  |
| ≥ 18000         | 53.9                     | 59.6 | 61.0 | 61.3 | 62.1 | 62.1 | 62.2 | 62.2 | 62.2 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4  |
| ≥ 16000         | 54.0                     | 59.9 | 61.3 | 61.5 | 62.4 | 62.4 | 62.5 | 62.5 | 62.5 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6  |
| ≥ 14000         | 55.6                     | 61.7 | 63.1 | 63.3 | 64.2 | 64.2 | 64.3 | 64.4 | 64.4 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6  |
| ≥ 12000         | 56.1                     | 62.2 | 63.6 | 63.9 | 64.7 | 64.7 | 64.9 | 65.0 | 65.0 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1  |
| ≥ 10000         | 57.9                     | 64.3 | 65.7 | 66.0 | 66.8 | 66.8 | 66.9 | 67.1 | 67.1 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2  |
| ≥ 9000          | 58.9                     | 65.3 | 66.7 | 66.9 | 67.8 | 67.8 | 67.9 | 68.1 | 68.1 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2  |
| ≥ 8000          | 60.3                     | 67.2 | 68.8 | 69.0 | 69.9 | 69.9 | 70.0 | 70.1 | 70.1 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3  |
| ≥ 7000          | 61.4                     | 68.5 | 70.0 | 70.3 | 71.1 | 71.1 | 71.3 | 71.4 | 71.4 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5  |
| ≥ 6000          | 62.4                     | 69.6 | 71.1 | 71.5 | 72.4 | 72.4 | 72.5 | 72.6 | 72.6 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8  |
| ≥ 5000          | 63.6                     | 71.1 | 72.8 | 73.2 | 74.2 | 74.2 | 74.3 | 74.4 | 74.4 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6  |
| ≥ 4500          | 64.7                     | 72.4 | 74.0 | 74.4 | 75.4 | 75.4 | 75.6 | 75.7 | 75.7 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8  |
| ≥ 4000          | 66.0                     | 74.0 | 75.7 | 76.3 | 77.2 | 77.2 | 77.4 | 77.5 | 77.5 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6  |
| ≥ 3500          | 66.4                     | 74.6 | 76.3 | 76.8 | 77.8 | 77.8 | 77.9 | 78.1 | 78.1 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2  |
| ≥ 3000          | 68.3                     | 77.5 | 79.3 | 79.9 | 81.0 | 81.0 | 81.1 | 81.3 | 81.3 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4  |
| ≥ 2500          | 69.9                     | 79.0 | 81.0 | 81.5 | 82.6 | 82.6 | 82.8 | 82.9 | 82.9 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1  |
| ≥ 2000          | 71.9                     | 81.9 | 84.0 | 84.7 | 86.0 | 86.0 | 86.1 | 86.3 | 86.3 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4  |
| ≥ 1800          | 72.9                     | 83.1 | 85.1 | 85.8 | 87.1 | 87.1 | 87.2 | 87.4 | 87.4 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5  |
| ≥ 1500          | 74.3                     | 84.4 | 86.8 | 87.6 | 88.9 | 89.0 | 89.2 | 89.3 | 89.3 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4  |
| ≥ 1200          | 74.6                     | 85.1 | 87.6 | 88.8 | 90.3 | 90.7 | 90.8 | 91.0 | 91.0 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1  |
| ≥ 1000          | 74.7                     | 85.7 | 88.2 | 89.4 | 91.0 | 91.4 | 91.5 | 91.7 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8  |
| ≥ 900           | 74.7                     | 86.0 | 88.5 | 89.7 | 91.5 | 91.9 | 92.1 | 92.2 | 92.2 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4  |
| ≥ 800           | 74.9                     | 86.4 | 88.9 | 90.3 | 92.1 | 92.5 | 92.6 | 92.9 | 92.9 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1  |
| ≥ 700           | 75.0                     | 87.2 | 89.7 | 91.4 | 93.3 | 93.8 | 93.9 | 94.2 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3  |
| ≥ 600           | 75.0                     | 87.4 | 90.0 | 91.9 | 94.0 | 94.4 | 94.7 | 95.0 | 95.0 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1  |
| ≥ 500           | 75.3                     | 87.8 | 90.7 | 93.1 | 95.1 | 95.6 | 95.8 | 96.3 | 96.4 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5  |
| ≥ 400           | 75.3                     | 87.9 | 90.6 | 93.5 | 95.7 | 96.3 | 96.8 | 97.2 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5  |
| ≥ 300           | 75.3                     | 88.1 | 91.0 | 93.6 | 96.0 | 96.5 | 97.2 | 97.8 | 97.9 | 98.2 | 98.2 | 98.2 | 98.3 | 98.5 | 98.5 | 98.6  |
| ≥ 200           | 75.3                     | 88.1 | 91.0 | 93.6 | 96.0 | 96.5 | 97.2 | 97.9 | 98.1 | 98.3 | 98.3 | 98.3 | 98.5 | 98.6 | 98.8 | 99.0  |
| ≥ 100           | 75.3                     | 88.1 | 91.0 | 93.6 | 96.0 | 96.5 | 97.2 | 97.9 | 98.1 | 98.3 | 98.5 | 98.5 | 98.6 | 98.8 | 99.4 | 100.0 |
| ≥ 0             | 75.3                     | 88.1 | 91.0 | 93.6 | 96.0 | 96.5 | 97.2 | 97.9 | 98.1 | 98.3 | 98.5 | 98.5 | 98.6 | 98.8 | 99.4 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

720

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214 VANDENBERG AFB CA

CR-70-73-75

1164

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 | ≥10                      | ≥8   | ≥5   | ≥4   | ≥3   | ≥2   | ≥2   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1    |
| NO CEILING      | 43.8                     | 51.9 | 51.9 | 52.6 | 53.0 | 53.0 | 53.5 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 54.8  |
| ≥ 20000         | 48.2                     | 56.6 | 56.6 | 57.5 | 58.0 | 58.0 | 58.4 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 59.8  |
| ≥ 18000         | 49.2                     | 57.5 | 57.5 | 58.4 | 58.9 | 58.9 | 59.3 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 60.7  |
| ≥ 16000         | 49.4                     | 57.8 | 57.8 | 58.7 | 59.1 | 59.1 | 59.6 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 60.9  |
| ≥ 14000         | 50.8                     | 59.3 | 59.3 | 60.2 | 60.7 | 60.7 | 61.3 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 62.7  |
| ≥ 12000         | 51.0                     | 59.6 | 59.6 | 60.4 | 60.9 | 60.9 | 61.6 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 62.9  |
| IV 10000        | 52.4                     | 60.9 | 60.9 | 61.8 | 62.2 | 62.2 | 62.9 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 64.3  |
| IV 9000         | 52.8                     | 61.3 | 61.3 | 62.2 | 62.7 | 62.7 | 63.4 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 64.7  |
| IV 8000         | 55.1                     | 63.6 | 63.6 | 64.5 | 64.9 | 64.9 | 65.6 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 67.0  |
| IV 7000         | 56.2                     | 64.7 | 64.7 | 65.8 | 66.3 | 66.3 | 67.0 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 68.3  |
| ≥ 6000          | 56.9                     | 65.6 | 65.6 | 66.7 | 67.2 | 67.2 | 67.9 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 69.2  |
| ≥ 5000          | 58.4                     | 67.6 | 67.6 | 69.0 | 69.4 | 69.4 | 70.1 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 71.5  |
| ≥ 4500          | 59.8                     | 69.7 | 69.7 | 71.0 | 71.5 | 71.5 | 72.1 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 73.5  |
| ≥ 4000          | 62.2                     | 73.0 | 73.0 | 74.4 | 74.8 | 74.8 | 75.5 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 76.9  |
| ≥ 3500          | 62.9                     | 73.7 | 73.7 | 75.1 | 75.5 | 75.5 | 76.2 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 77.5  |
| ≥ 3000          | 64.0                     | 75.3 | 75.3 | 76.6 | 77.1 | 77.1 | 77.8 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 79.1  |
| ≥ 2500          | 66.3                     | 78.7 | 78.7 | 80.0 | 80.4 | 80.4 | 81.1 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 82.5  |
| ≥ 2000          | 67.9                     | 81.3 | 81.3 | 83.6 | 84.0 | 84.0 | 84.7 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 86.1  |
| ≥ 1800          | 68.3                     | 82.2 | 82.2 | 84.7 | 85.2 | 85.2 | 85.8 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 87.2  |
| ≥ 1500          | 69.0                     | 83.8 | 84.0 | 86.3 | 87.0 | 87.0 | 87.6 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 89.0  |
| ≥ 1200          | 69.9                     | 84.9 | 85.2 | 87.4 | 88.1 | 88.1 | 88.8 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 90.1  |
| ≥ 1000          | 70.1                     | 85.4 | 85.8 | 88.1 | 88.8 | 88.8 | 89.4 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 90.8  |
| ≥ 900           | 70.3                     | 85.8 | 86.3 | 88.5 | 89.2 | 89.2 | 89.9 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 91.2  |
| ≥ 800           | 70.6                     | 86.3 | 86.7 | 89.0 | 89.7 | 89.7 | 90.3 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 91.7  |
| ≥ 700           | 70.6                     | 86.5 | 87.0 | 89.2 | 89.9 | 89.9 | 90.6 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 91.0 | 91.0 | 92.1  |
| ≥ 600           | 70.6                     | 86.7 | 87.2 | 89.4 | 90.3 | 90.3 | 91.0 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.5 | 91.5 | 92.6  |
| ≥ 500           | 70.6                     | 86.7 | 87.2 | 89.4 | 90.6 | 90.6 | 91.2 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.9 | 91.9 | 93.3  |
| ≥ 400           | 70.6                     | 87.0 | 87.9 | 90.1 | 91.9 | 91.9 | 92.6 | 93.0 | 93.0 | 93.5 | 93.5 | 93.5 | 93.5 | 93.7 | 93.7 | 94.8  |
| ≥ 300           | 70.6                     | 87.2 | 88.1 | 90.3 | 92.4 | 92.6 | 93.3 | 93.7 | 93.7 | 94.2 | 94.2 | 94.2 | 94.2 | 94.4 | 94.4 | 95.7  |
| ≥ 200           | 70.6                     | 87.2 | 88.1 | 90.6 | 92.6 | 92.8 | 93.5 | 93.9 | 93.9 | 94.4 | 94.4 | 94.4 | 94.4 | 94.8 | 94.8 | 97.3  |
| ≥ 100           | 70.6                     | 87.2 | 88.1 | 90.6 | 92.6 | 92.8 | 93.5 | 93.9 | 94.2 | 94.6 | 94.6 | 94.6 | 94.6 | 95.3 | 95.3 | 99.6  |
| ≥ 50            | 70.6                     | 87.2 | 88.1 | 90.6 | 92.6 | 92.8 | 93.5 | 93.9 | 94.2 | 94.6 | 94.6 | 94.6 | 94.6 | 95.3 | 95.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

445

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

CR-70,73-74

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |       |      |       |       |      |       |       |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|-------|------|-------|-------|------|-------|-------|
|                 | ≥10                        | ≥6   | ≥5   | ≥4   | ≥3   | ≥2.5 | ≥2   | ≥1.5 | ≥1   | ≥0.75 | ≥0.5 | ≥0.25 | ≥0.15 | ≥0.1 | ≥0.05 | ≥0.01 |
| NO CEILING      | 44.3                       | 53.7 | 54.7 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.4  | 55.4 | 55.4  | 55.4  | 55.4 | 56.2  | 56.7  |
| ≥ 20000         | 45.6                       | 54.9 | 55.9 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.7  | 56.7 | 56.7  | 56.7  | 56.7 | 57.5  | 58.0  |
| ≥ 18000         | 46.1                       | 55.4 | 56.5 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.2  | 57.2 | 57.2  | 57.2  | 57.2 | 58.0  | 58.5  |
| ≥ 16000         | 46.3                       | 55.7 | 56.7 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.5  | 57.5 | 57.5  | 57.5  | 57.5 | 58.2  | 58.7  |
| ≥ 14000         | 47.8                       | 57.7 | 58.7 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.5  | 59.5 | 59.5  | 59.5  | 59.5 | 60.3  | 60.8  |
| ≥ 12000         | 49.4                       | 59.5 | 60.5 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.3  | 61.3 | 61.3  | 61.3  | 61.3 | 62.0  | 62.5  |
| ≥ 10000         | 51.1                       | 61.3 | 62.3 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 63.0  | 63.0 | 63.0  | 63.0  | 63.0 | 63.8  | 64.3  |
| ≥ 9000          | 52.2                       | 62.3 | 63.3 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 64.1  | 64.1 | 64.1  | 64.1  | 64.1 | 64.8  | 65.3  |
| ≥ 8000          | 52.7                       | 63.0 | 64.1 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.8  | 64.8 | 64.8  | 64.8  | 64.8 | 65.6  | 66.1  |
| ≥ 7000          | 53.7                       | 64.1 | 65.1 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.8  | 65.8 | 65.8  | 65.8  | 65.8 | 66.6  | 67.1  |
| ≥ 6000          | 54.4                       | 64.8 | 65.8 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.6  | 66.6 | 66.6  | 66.6  | 66.6 | 67.3  | 67.8  |
| ≥ 5000          | 57.5                       | 68.4 | 69.4 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 70.1  | 70.1 | 70.1  | 70.1  | 70.1 | 70.9  | 71.4  |
| ≥ 4500          | 58.0                       | 69.9 | 70.9 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.6  | 71.6 | 71.6  | 71.6  | 71.6 | 72.4  | 72.9  |
| ≥ 4000          | 60.0                       | 71.9 | 72.9 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.7  | 73.7 | 73.7  | 73.7  | 73.7 | 74.4  | 74.9  |
| ≥ 3500          | 61.3                       | 73.2 | 74.2 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.9  | 74.9 | 74.9  | 74.9  | 74.9 | 75.7  | 76.2  |
| ≥ 3000          | 63.3                       | 75.9 | 77.2 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 78.0  | 78.0 | 78.0  | 78.0  | 78.0 | 78.7  | 79.2  |
| ≥ 2500          | 64.1                       | 77.7 | 79.0 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.7  | 79.7 | 79.7  | 79.7  | 79.7 | 80.5  | 81.0  |
| ≥ 2000          | 65.3                       | 81.8 | 83.3 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.3  | 84.3 | 84.3  | 84.3  | 84.3 | 85.1  | 85.6  |
| ≥ 1800          | 65.6                       | 83.0 | 84.6 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.6  | 85.6 | 85.6  | 85.6  | 85.6 | 86.3  | 86.8  |
| ≥ 1500          | 65.8                       | 84.8 | 86.3 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.3  | 87.3 | 87.3  | 87.3  | 87.3 | 88.1  | 88.6  |
| ≥ 1200          | 65.8                       | 85.1 | 87.6 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.6  | 88.6 | 88.6  | 88.6  | 88.6 | 89.4  | 89.9  |
| ≥ 1000          | 66.3                       | 87.1 | 88.6 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.6  | 89.6 | 89.6  | 89.6  | 89.6 | 90.4  | 90.9  |
| ≥ 900           | 66.3                       | 87.3 | 88.9 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.9  | 89.9 | 89.9  | 89.9  | 89.9 | 90.6  | 91.1  |
| ≥ 800           | 66.6                       | 88.1 | 89.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.9  | 90.9 | 90.9  | 90.9  | 90.9 | 91.6  | 92.2  |
| ≥ 700           | 66.6                       | 88.4 | 89.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 91.1  | 91.1 | 91.1  | 91.1  | 91.1 | 91.9  | 92.4  |
| ≥ 600           | 66.6                       | 88.4 | 89.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 91.1  | 91.1 | 91.1  | 91.1  | 91.1 | 91.9  | 92.4  |
| ≥ 500           | 66.6                       | 88.4 | 89.9 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.6  | 91.6 | 91.6  | 91.6  | 91.6 | 92.4  | 92.9  |
| ≥ 450           | 66.6                       | 88.4 | 89.9 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.9  | 91.9 | 91.9  | 91.9  | 91.9 | 92.9  | 93.7  |
| ≥ 300           | 66.6                       | 88.4 | 90.1 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 92.2  | 92.2 | 92.2  | 92.2  | 92.2 | 93.2  | 94.7  |
| ≥ 200           | 66.6                       | 88.4 | 90.1 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 92.2  | 92.2 | 92.2  | 92.2  | 92.2 | 93.2  | 94.7  |
| ≥ 100           | 66.6                       | 88.4 | 90.1 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 92.2  | 92.2 | 92.2  | 92.2  | 92.2 | 93.2  | 94.7  |
| ≥ 0             | 66.6                       | 88.4 | 90.1 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 92.2  | 92.2 | 92.2  | 92.2  | 92.2 | 93.2  | 94.7  |

TOTAL NUMBER OF OBSERVATIONS

395

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

18-70.73-79

FEU

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

| CEILING<br>FEET | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 | ≥10                        | ≥6   | ≥5   | ≥4   | ≥3   | ≥2.5 | ≥2   | ≥1.5 | ≥1.4 | ≥1   | ≥.4  | ≥.3  | ≥.2  | ≥.16 | ≥.1  | ≥0    |
| NO CEILING      | 46.8                       | 53.3 | 53.9 | 54.4 | 54.7 | 54.7 | 54.8 | 54.9 | 54.9 | 55.0 | 55.1 | 55.1 | 55.2 | 55.4 | 55.6 | 56.0  |
| ≥ 20000         | 49.9                       | 57.0 | 57.7 | 58.2 | 58.6 | 58.6 | 58.8 | 58.9 | 58.9 | 59.0 | 59.1 | 59.1 | 59.2 | 59.4 | 59.6 | 60.0  |
| ≥ 18000         | 50.5                       | 57.6 | 58.3 | 58.8 | 59.2 | 59.3 | 59.5 | 59.5 | 59.5 | 59.7 | 59.7 | 59.8 | 59.8 | 60.1 | 60.2 | 60.7  |
| ≥ 16000         | 50.9                       | 58.3 | 58.9 | 59.4 | 59.9 | 60.0 | 60.2 | 60.3 | 60.3 | 60.4 | 60.5 | 60.5 | 60.6 | 60.8 | 61.0 | 61.4  |
| ≥ 14000         | 52.4                       | 60.2 | 60.9 | 61.4 | 61.8 | 61.9 | 62.2 | 62.3 | 62.3 | 62.4 | 62.5 | 62.5 | 62.6 | 62.8 | 63.0 | 63.5  |
| ≥ 12000         | 53.3                       | 61.2 | 61.8 | 62.4 | 62.8 | 62.9 | 63.2 | 63.3 | 63.3 | 63.4 | 63.5 | 63.5 | 63.6 | 63.8 | 63.9 | 64.4  |
| ≥ 10000         | 55.1                       | 63.1 | 63.8 | 64.3 | 64.8 | 64.9 | 65.1 | 65.2 | 65.2 | 65.4 | 65.4 | 65.5 | 65.6 | 65.8 | 65.9 | 66.4  |
| ≥ 9000          | 55.8                       | 63.9 | 64.6 | 65.1 | 65.6 | 65.7 | 65.9 | 66.0 | 66.0 | 66.1 | 66.2 | 66.2 | 66.3 | 66.5 | 66.7 | 67.2  |
| ≥ 8000          | 56.9                       | 65.1 | 65.9 | 66.4 | 66.9 | 67.1 | 67.3 | 67.4 | 67.4 | 67.5 | 67.6 | 67.6 | 67.7 | 67.9 | 68.1 | 68.6  |
| ≥ 7000          | 58.1                       | 66.4 | 67.2 | 67.7 | 68.2 | 68.4 | 68.7 | 68.8 | 68.8 | 68.9 | 69.0 | 69.0 | 69.1 | 69.3 | 69.5 | 70.0  |
| ≥ 6000          | 59.3                       | 68.1 | 68.8 | 69.5 | 70.0 | 70.1 | 70.4 | 70.5 | 70.5 | 70.6 | 70.7 | 70.7 | 70.8 | 71.0 | 71.2 | 71.7  |
| ≥ 5000          | 60.7                       | 69.9 | 70.7 | 71.4 | 71.9 | 72.1 | 72.4 | 72.5 | 72.5 | 72.6 | 72.7 | 72.7 | 72.8 | 73.0 | 73.2 | 73.7  |
| ≥ 4500          | 61.4                       | 71.1 | 71.9 | 72.6 | 73.1 | 73.3 | 73.5 | 73.7 | 73.7 | 73.8 | 73.9 | 73.9 | 74.0 | 74.2 | 74.3 | 74.8  |
| ≥ 4000          | 63.0                       | 73.0 | 73.9 | 74.6 | 75.1 | 75.3 | 75.6 | 75.7 | 75.7 | 75.8 | 75.9 | 75.9 | 76.0 | 76.2 | 76.4 | 76.9  |
| ≥ 3500          | 63.8                       | 74.0 | 74.8 | 75.6 | 76.1 | 76.3 | 76.5 | 76.7 | 76.7 | 76.8 | 76.8 | 76.9 | 77.0 | 77.2 | 77.3 | 77.8  |
| ≥ 3000          | 65.0                       | 75.9 | 76.9 | 77.6 | 78.2 | 78.4 | 78.6 | 78.7 | 78.7 | 78.8 | 78.9 | 78.9 | 79.1 | 79.3 | 79.4 | 79.9  |
| ≥ 2500          | 66.4                       | 78.0 | 79.0 | 79.8 | 80.4 | 80.6 | 80.8 | 80.9 | 80.9 | 81.1 | 81.1 | 81.2 | 81.3 | 81.5 | 81.7 | 82.2  |
| ≥ 2000          | 68.6                       | 81.5 | 82.6 | 83.6 | 84.2 | 84.3 | 84.6 | 84.7 | 84.7 | 84.9 | 84.9 | 85.0 | 85.1 | 85.3 | 85.5 | 85.9  |
| ≥ 1800          | 69.3                       | 83.1 | 84.2 | 85.2 | 85.8 | 86.0 | 86.3 | 86.4 | 86.4 | 86.5 | 86.6 | 86.6 | 86.7 | 87.0 | 87.1 | 87.6  |
| ≥ 1500          | 70.2                       | 85.1 | 86.3 | 87.4 | 88.0 | 88.3 | 88.6 | 88.7 | 88.7 | 88.8 | 88.9 | 88.9 | 89.0 | 89.2 | 89.4 | 89.9  |
| ≥ 1200          | 70.5                       | 86.1 | 87.3 | 88.8 | 89.5 | 89.9 | 90.2 | 90.4 | 90.4 | 90.5 | 90.6 | 90.6 | 90.7 | 90.9 | 91.1 | 91.6  |
| ≥ 1000          | 70.7                       | 86.9 | 88.5 | 89.8 | 90.6 | 91.0 | 91.4 | 91.6 | 91.6 | 91.7 | 91.8 | 91.8 | 91.9 | 92.1 | 92.3 | 92.8  |
| ≥ 900           | 70.9                       | 87.7 | 88.8 | 90.2 | 91.1 | 91.5 | 92.0 | 92.2 | 92.2 | 92.3 | 92.4 | 92.4 | 92.5 | 92.7 | 92.9 | 93.4  |
| ≥ 800           | 71.0                       | 87.5 | 89.2 | 90.6 | 91.6 | 92.0 | 92.5 | 92.6 | 92.7 | 92.8 | 92.9 | 92.9 | 93.0 | 93.2 | 93.4 | 93.9  |
| ≥ 700           | 71.0                       | 87.8 | 89.5 | 91.1 | 92.1 | 92.5 | 92.9 | 93.1 | 93.2 | 93.3 | 93.4 | 93.4 | 93.5 | 93.7 | 93.9 | 94.4  |
| ≥ 600           | 71.0                       | 88.0 | 89.8 | 91.5 | 92.6 | 92.9 | 93.5 | 93.8 | 93.8 | 93.9 | 94.0 | 94.0 | 94.1 | 94.3 | 94.5 | 95.0  |
| ≥ 500           | 71.1                       | 88.3 | 90.1 | 92.0 | 93.2 | 93.6 | 94.2 | 94.4 | 94.5 | 94.7 | 94.8 | 94.8 | 94.9 | 95.1 | 95.3 | 95.8  |
| ≥ 400           | 71.1                       | 88.4 | 90.4 | 92.5 | 93.8 | 94.2 | 94.9 | 95.2 | 95.3 | 95.5 | 95.6 | 95.6 | 95.7 | 95.9 | 96.1 | 96.6  |
| ≥ 300           | 71.1                       | 88.5 | 90.5 | 92.7 | 94.1 | 94.6 | 95.3 | 95.8 | 95.9 | 96.2 | 96.3 | 96.3 | 96.5 | 96.7 | 96.9 | 97.5  |
| ≥ 200           | 71.1                       | 88.5 | 90.5 | 92.7 | 94.2 | 94.6 | 95.4 | 95.9 | 95.9 | 96.3 | 96.5 | 96.5 | 96.8 | 97.1 | 97.5 | 98.5  |
| ≥ 100           | 71.1                       | 88.5 | 90.5 | 92.7 | 94.2 | 94.6 | 95.4 | 95.9 | 96.0 | 96.4 | 96.6 | 96.7 | 96.9 | 97.2 | 97.9 | 99.7  |
| ≥ 0             | 71.1                       | 88.5 | 90.5 | 92.7 | 94.2 | 94.6 | 95.4 | 95.9 | 96.0 | 96.4 | 96.6 | 96.7 | 96.9 | 97.2 | 97.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

4241

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

67-70, 73-74, 78  
YEARS

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-4200  
TIME

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |       |      |       |       |      |       |       |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|-------|------|-------|-------|------|-------|-------|
|                 | ≥10                        | ≥6   | ≥5   | ≥4   | ≥3   | ≥2.5 | ≥2   | ≥1.5 | ≥1   | ≥0.75 | ≥0.5 | ≥0.25 | ≥0.15 | ≥0.1 | ≥0.05 | ≥0.01 |
| NO CEILING      | 51.0                       | 59.2 | 60.5 | 60.9 | 61.4 | 61.4 | 61.4 | 61.6 | 61.6 | 61.6  | 61.6 | 61.6  | 61.6  | 61.8 | 62.0  | 62.6  |
| ≥ 20000         | 51.8                       | 61.1 | 62.4 | 62.8 | 63.3 | 63.3 | 63.3 | 63.5 | 63.5 | 63.5  | 63.5 | 63.5  | 63.5  | 63.7 | 63.9  | 64.5  |
| ≥ 18000         | 52.2                       | 61.6 | 62.8 | 63.3 | 63.7 | 63.7 | 63.7 | 63.9 | 63.9 | 63.9  | 63.9 | 63.9  | 63.9  | 64.1 | 64.3  | 65.0  |
| ≥ 16000         | 52.7                       | 62.0 | 63.3 | 63.7 | 64.1 | 64.1 | 64.1 | 64.3 | 64.3 | 64.3  | 64.3 | 64.3  | 64.3  | 64.5 | 64.8  | 65.4  |
| ≥ 14000         | 53.5                       | 62.8 | 64.1 | 64.5 | 65.0 | 65.0 | 65.0 | 65.2 | 65.2 | 65.2  | 65.2 | 65.2  | 65.2  | 65.4 | 65.6  | 66.2  |
| ≥ 12000         | 54.6                       | 63.9 | 65.2 | 65.6 | 66.0 | 66.0 | 66.0 | 66.2 | 66.2 | 66.2  | 66.2 | 66.2  | 66.2  | 66.5 | 66.7  | 67.3  |
| ≥ 10000         | 56.3                       | 65.6 | 66.9 | 67.3 | 67.7 | 67.7 | 67.7 | 67.9 | 67.9 | 67.9  | 67.9 | 67.9  | 67.9  | 68.2 | 68.4  | 69.0  |
| ≥ 9000          | 56.3                       | 65.6 | 66.9 | 67.3 | 67.7 | 67.7 | 67.7 | 67.9 | 67.9 | 67.9  | 67.9 | 67.9  | 67.9  | 68.2 | 68.4  | 69.0  |
| ≥ 8000          | 56.5                       | 66.0 | 67.3 | 67.7 | 68.2 | 68.2 | 68.2 | 68.4 | 68.4 | 68.4  | 68.4 | 68.4  | 68.4  | 68.6 | 68.8  | 69.4  |
| ≥ 7000          | 57.3                       | 67.1 | 68.4 | 68.8 | 69.2 | 69.2 | 69.2 | 69.4 | 69.4 | 69.4  | 69.4 | 69.4  | 69.4  | 69.6 | 69.9  | 70.5  |
| ≥ 6000          | 58.0                       | 67.9 | 69.2 | 69.6 | 70.1 | 70.1 | 70.1 | 70.3 | 70.3 | 70.3  | 70.3 | 70.3  | 70.3  | 70.5 | 70.7  | 71.3  |
| ≥ 5000          | 58.6                       | 68.8 | 70.1 | 70.5 | 70.9 | 70.9 | 70.9 | 71.1 | 71.1 | 71.1  | 71.1 | 71.1  | 71.1  | 71.3 | 71.5  | 72.2  |
| ≥ 4500          | 59.2                       | 69.4 | 70.7 | 71.1 | 71.5 | 71.5 | 71.5 | 71.8 | 71.8 | 71.8  | 71.8 | 71.8  | 71.8  | 72.0 | 72.2  | 72.8  |
| ≥ 4000          | 60.1                       | 70.7 | 72.0 | 72.4 | 72.8 | 72.8 | 72.8 | 73.0 | 73.0 | 73.0  | 73.0 | 73.0  | 73.0  | 73.2 | 73.5  | 74.1  |
| ≥ 3500          | 61.1                       | 72.2 | 73.5 | 73.9 | 74.3 | 74.3 | 74.3 | 74.5 | 74.5 | 74.5  | 74.5 | 74.5  | 74.5  | 74.7 | 74.9  | 75.6  |
| ≥ 3000          | 62.0                       | 73.7 | 74.9 | 75.4 | 75.8 | 75.8 | 75.8 | 76.0 | 76.0 | 76.0  | 76.0 | 76.0  | 76.0  | 76.2 | 76.4  | 77.1  |
| ≥ 2500          | 63.5                       | 76.6 | 77.9 | 78.3 | 78.8 | 78.8 | 78.8 | 79.0 | 79.0 | 79.0  | 79.0 | 79.0  | 79.0  | 79.2 | 79.4  | 80.0  |
| ≥ 2000          | 65.4                       | 79.7 | 80.5 | 80.9 | 81.3 | 81.3 | 81.3 | 81.5 | 81.5 | 81.5  | 81.5 | 81.5  | 81.5  | 81.7 | 82.0  | 82.6  |
| ≥ 1800          | 65.0                       | 79.8 | 81.1 | 81.5 | 82.0 | 82.0 | 82.0 | 82.2 | 82.2 | 82.2  | 82.2 | 82.2  | 82.2  | 82.4 | 82.6  | 83.2  |
| ≥ 1500          | 66.5                       | 81.1 | 82.4 | 82.8 | 83.2 | 83.2 | 83.2 | 83.4 | 83.4 | 83.4  | 83.4 | 83.4  | 83.4  | 83.7 | 83.9  | 84.5  |
| ≥ 1200          | 66.5                       | 82.2 | 83.4 | 83.9 | 84.3 | 84.3 | 84.3 | 84.5 | 84.5 | 84.5  | 84.5 | 84.5  | 84.5  | 84.7 | 84.9  | 85.6  |
| ≥ 1000          | 66.5                       | 82.4 | 83.7 | 84.1 | 84.5 | 84.5 | 84.5 | 84.7 | 84.7 | 84.7  | 84.7 | 84.7  | 84.7  | 84.9 | 85.1  | 85.8  |
| ≥ 900           | 66.5                       | 83.0 | 84.5 | 84.9 | 85.4 | 85.4 | 85.4 | 85.6 | 85.6 | 85.6  | 85.6 | 85.6  | 85.6  | 85.8 | 86.0  | 86.6  |
| ≥ 800           | 66.5                       | 83.2 | 84.7 | 85.1 | 85.6 | 85.6 | 85.6 | 85.8 | 85.8 | 85.8  | 85.8 | 85.8  | 85.8  | 86.0 | 86.2  | 86.8  |
| ≥ 700           | 66.5                       | 83.2 | 84.7 | 85.1 | 85.6 | 85.6 | 85.6 | 85.8 | 85.8 | 85.8  | 85.8 | 85.8  | 85.8  | 86.0 | 86.2  | 86.8  |
| ≥ 600           | 66.5                       | 84.3 | 86.2 | 86.6 | 87.3 | 87.3 | 87.3 | 87.5 | 87.5 | 87.5  | 87.5 | 87.5  | 87.5  | 87.7 | 87.9  | 88.5  |
| ≥ 500           | 66.5                       | 84.9 | 86.8 | 87.3 | 88.5 | 88.5 | 88.5 | 88.7 | 88.7 | 88.7  | 88.7 | 88.7  | 88.7  | 89.0 | 89.2  | 89.8  |
| ≥ 400           | 66.5                       | 84.9 | 87.3 | 87.7 | 89.2 | 89.2 | 89.2 | 89.6 | 89.6 | 89.6  | 89.6 | 89.6  | 89.6  | 89.8 | 90.0  | 90.7  |
| ≥ 300           | 66.5                       | 84.9 | 87.7 | 88.1 | 89.8 | 89.8 | 89.8 | 90.2 | 90.2 | 90.2  | 90.2 | 90.2  | 90.2  | 90.4 | 90.7  | 91.3  |
| ≥ 200           | 66.5                       | 84.9 | 87.9 | 88.3 | 90.0 | 90.0 | 90.0 | 90.7 | 90.7 | 90.7  | 90.7 | 90.7  | 90.7  | 91.1 | 91.3  | 91.9  |
| ≥ 100           | 66.5                       | 84.9 | 87.9 | 88.3 | 90.0 | 90.0 | 90.0 | 90.7 | 90.7 | 90.7  | 90.7 | 90.7  | 90.7  | 91.1 | 91.3  | 91.9  |
| ≥ U             | 66.5                       | 84.9 | 87.9 | 88.3 | 90.0 | 90.0 | 90.0 | 90.7 | 90.7 | 90.7  | 90.7 | 90.7  | 90.7  | 91.1 | 91.3  | 91.9  |

TOTAL NUMBER OF OBSERVATIONS

471



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70-73-78

MAH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

| CEILING<br>FEET | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                 | ≥10                        | ≥6   | ≥5   | ≥4   | ≥3   | ≥2.5 | ≥2   | ≥1.5 | ≥1.4 | ≥1   | ≥.4  | ≥.3  | ≥.25 | ≥.2  | ≥.16 | ≥.1  |
| NO CEILING      | 53.2                       | 61.4 | 62.1 | 62.3 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.9 | 62.9 | 63.1 | 63.3 | 63.3 | 63.8 | 64.4 |
| ≥ 20000         | 54.2                       | 62.7 | 63.3 | 63.6 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.2 | 64.2 | 64.4 | 64.6 | 64.6 | 65.0 | 65.7 |
| ≥ 18000         | 54.2                       | 62.7 | 63.3 | 63.6 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.2 | 64.2 | 64.4 | 64.6 | 64.6 | 65.0 | 65.7 |
| ≥ 16000         | 54.2                       | 62.7 | 63.3 | 63.6 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.2 | 64.2 | 64.4 | 64.6 | 64.6 | 65.0 | 65.7 |
| ≥ 14000         | 55.1                       | 63.6 | 64.2 | 64.4 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 65.0 | 65.0 | 65.3 | 65.5 | 65.5 | 65.9 | 66.5 |
| ≥ 12000         | 56.6                       | 65.0 | 65.7 | 65.9 | 66.3 | 66.5 | 66.5 | 66.5 | 66.5 | 66.7 | 66.7 | 66.9 | 67.2 | 67.2 | 67.6 | 68.2 |
| ≥ 10000         | 56.8                       | 65.3 | 65.9 | 66.1 | 66.5 | 66.7 | 66.7 | 66.7 | 66.7 | 66.9 | 66.9 | 67.2 | 67.4 | 67.4 | 67.8 | 68.4 |
| ≥ 9000          | 56.8                       | 65.3 | 65.9 | 66.1 | 66.5 | 66.7 | 66.7 | 66.7 | 66.7 | 66.9 | 66.9 | 67.2 | 67.4 | 67.4 | 67.8 | 68.4 |
| ≥ 8000          | 56.8                       | 65.3 | 65.9 | 66.1 | 66.5 | 66.7 | 66.7 | 66.7 | 66.7 | 66.9 | 66.9 | 67.2 | 67.4 | 67.4 | 67.8 | 68.4 |
| ≥ 7000          | 57.8                       | 66.7 | 67.4 | 67.6 | 68.0 | 68.2 | 68.2 | 68.2 | 68.2 | 68.4 | 68.4 | 68.6 | 68.9 | 68.9 | 69.3 | 69.9 |
| ≥ 6000          | 58.1                       | 66.9 | 67.6 | 67.8 | 68.2 | 68.4 | 68.4 | 68.4 | 68.4 | 68.6 | 68.6 | 68.9 | 69.1 | 69.1 | 69.5 | 70.1 |
| ≥ 5000          | 58.5                       | 67.6 | 68.2 | 68.4 | 68.9 | 69.1 | 69.1 | 69.1 | 69.1 | 69.3 | 69.3 | 69.5 | 69.7 | 69.7 | 70.1 | 70.8 |
| ≥ 4500          | 59.1                       | 68.6 | 69.3 | 69.5 | 69.9 | 70.1 | 70.1 | 70.1 | 70.1 | 70.3 | 70.3 | 70.6 | 70.8 | 70.8 | 71.2 | 71.8 |
| ≥ 4000          | 60.2                       | 69.7 | 70.3 | 70.6 | 71.0 | 71.2 | 71.2 | 71.2 | 71.2 | 71.4 | 71.4 | 71.6 | 71.8 | 71.8 | 72.2 | 72.9 |
| ≥ 3500          | 61.7                       | 72.2 | 72.9 | 73.1 | 73.5 | 73.7 | 73.7 | 73.7 | 73.7 | 73.9 | 73.9 | 74.2 | 74.4 | 74.4 | 74.8 | 75.4 |
| ≥ 3000          | 62.1                       | 73.1 | 73.7 | 73.9 | 74.4 | 74.6 | 74.6 | 74.6 | 74.6 | 74.8 | 74.8 | 75.0 | 75.2 | 75.2 | 75.6 | 76.3 |
| ≥ 2500          | 63.6                       | 75.2 | 75.8 | 76.1 | 76.5 | 76.7 | 76.7 | 76.7 | 76.7 | 76.9 | 76.9 | 77.1 | 77.3 | 77.3 | 77.8 | 78.4 |
| ≥ 2000          | 64.2                       | 77.1 | 77.8 | 78.0 | 78.4 | 78.6 | 78.6 | 78.6 | 78.6 | 78.8 | 78.8 | 79.0 | 79.2 | 79.2 | 79.7 | 80.3 |
| ≥ 1800          | 64.8                       | 78.2 | 78.8 | 79.0 | 79.4 | 79.7 | 79.7 | 79.7 | 79.7 | 79.9 | 79.9 | 80.1 | 80.3 | 80.3 | 80.7 | 81.4 |
| ≥ 1500          | 65.5                       | 79.2 | 79.9 | 80.3 | 80.9 | 81.1 | 81.1 | 81.1 | 81.1 | 81.4 | 81.4 | 81.6 | 81.8 | 81.8 | 82.2 | 82.9 |
| ≥ 1200          | 65.7                       | 80.7 | 81.6 | 82.2 | 82.6 | 82.8 | 82.8 | 82.8 | 82.8 | 83.1 | 83.1 | 83.3 | 83.5 | 83.5 | 83.9 | 84.5 |
| ≥ 1000          | 65.7                       | 80.9 | 81.8 | 82.6 | 83.1 | 83.3 | 83.3 | 83.3 | 83.3 | 83.5 | 83.5 | 83.7 | 83.9 | 83.9 | 84.3 | 85.0 |
| ≥ 900           | 65.9                       | 82.2 | 83.1 | 83.9 | 84.3 | 84.5 | 84.7 | 84.7 | 84.7 | 85.0 | 85.0 | 85.2 | 85.4 | 85.4 | 85.8 | 86.4 |
| ≥ 800           | 66.1                       | 82.4 | 83.3 | 84.1 | 84.5 | 84.7 | 85.0 | 85.0 | 85.0 | 85.2 | 85.2 | 85.4 | 85.6 | 85.6 | 86.0 | 86.7 |
| ≥ 700           | 66.3                       | 83.3 | 84.1 | 85.0 | 85.4 | 85.6 | 85.8 | 85.8 | 85.8 | 86.0 | 86.0 | 86.2 | 86.4 | 86.4 | 86.9 | 87.5 |
| ≥ 600           | 66.3                       | 83.7 | 84.5 | 85.4 | 85.8 | 86.0 | 86.2 | 86.2 | 86.2 | 86.4 | 86.4 | 86.7 | 86.9 | 86.9 | 87.3 | 87.9 |
| ≥ 500           | 66.3                       | 83.9 | 84.7 | 85.6 | 86.2 | 86.4 | 86.7 | 86.7 | 86.7 | 86.9 | 86.9 | 87.1 | 87.3 | 87.3 | 87.7 | 88.3 |
| ≥ 400           | 66.3                       | 83.9 | 84.7 | 86.7 | 87.3 | 87.5 | 87.7 | 87.7 | 87.7 | 87.9 | 87.9 | 88.3 | 88.6 | 88.6 | 89.0 | 89.6 |
| ≥ 300           | 66.3                       | 83.9 | 85.4 | 87.7 | 88.3 | 88.6 | 88.8 | 89.0 | 89.0 | 89.2 | 89.2 | 89.6 | 89.8 | 89.8 | 90.3 | 90.9 |
| ≥ 200           | 66.3                       | 83.9 | 85.4 | 87.7 | 88.6 | 88.8 | 89.0 | 89.4 | 89.4 | 89.6 | 89.6 | 90.0 | 90.5 | 91.1 | 91.7 | 92.6 |
| ≥ 100           | 66.3                       | 83.9 | 85.4 | 87.7 | 88.6 | 88.8 | 89.0 | 89.4 | 89.4 | 89.6 | 89.6 | 90.3 | 90.9 | 91.5 | 91.7 | 93.6 |
| ≥ 0             | 66.3                       | 83.9 | 85.4 | 87.7 | 88.6 | 88.8 | 89.0 | 89.4 | 89.4 | 89.6 | 89.6 | 90.3 | 90.9 | 91.5 | 91.7 | 93.6 |

TOTAL NUMBER OF OBSERVATIONS

472

USAF ETAC

FORM 54

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

93214 VANDENBERG AFB CA

7-70, 73-78

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800

| CEILING<br>FEET | VISIBILITY (STATUTE MILES) |      |      |      |      |       |      |       |      |       |        |       |        |         |        |         |         |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|------|-------|--------|-------|--------|---------|--------|---------|---------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ 0.5 | ≥ 0.25 | ≥ 0.1 | ≥ 0.05 | ≥ 0.025 | ≥ 0.01 | ≥ 0.005 | ≥ 0.001 |
| NO CEILING      | 46.6                       | 52.6 | 53.0 | 54.1 | 54.2 | 54.2  | 54.2 | 54.2  | 54.2 | 54.2  | 54.4   | 54.4  | 54.5   | 54.5    | 54.6   | 54.6    | 54.6    |
| ≥ 20000         | 49.3                       | 55.7 | 56.3 | 57.4 | 57.5 | 57.5  | 57.5 | 57.5  | 57.5 | 57.5  | 57.6   | 57.6  | 57.8   | 57.8    | 58.0   | 58.0    | 58.0    |
| ≥ 18000         | 49.5                       | 55.9 | 56.4 | 57.5 | 57.6 | 57.8  | 57.8 | 57.8  | 57.8 | 57.8  | 57.9   | 57.9  | 58.2   | 58.2    | 58.4   | 58.4    | 58.4    |
| ≥ 16000         | 49.7                       | 56.1 | 56.7 | 57.8 | 57.9 | 58.0  | 58.0 | 58.0  | 58.0 | 58.0  | 58.2   | 58.2  | 58.4   | 58.4    | 58.7   | 58.7    | 58.7    |
| ≥ 14000         | 50.4                       | 56.8 | 57.4 | 58.4 | 58.6 | 58.7  | 58.7 | 58.7  | 58.7 | 58.7  | 58.9   | 58.9  | 59.1   | 59.1    | 59.4   | 59.4    | 59.4    |
| ≥ 12000         | 50.5                       | 57.1 | 57.6 | 58.7 | 58.9 | 59.0  | 59.0 | 59.0  | 59.0 | 59.0  | 59.1   | 59.1  | 59.4   | 59.4    | 59.7   | 59.7    | 59.7    |
| ≥ 10000         | 51.2                       | 57.8 | 58.3 | 59.4 | 59.5 | 59.7  | 59.7 | 59.7  | 59.7 | 59.7  | 59.8   | 59.8  | 60.1   | 60.1    | 60.4   | 60.4    | 60.4    |
| ≥ 9000          | 51.5                       | 58.0 | 58.6 | 59.7 | 59.8 | 59.9  | 59.9 | 59.9  | 59.9 | 59.9  | 60.1   | 60.1  | 60.4   | 60.4    | 60.6   | 60.6    | 60.6    |
| ≥ 8000          | 51.6                       | 58.2 | 58.7 | 59.8 | 59.9 | 60.1  | 60.1 | 60.1  | 60.1 | 60.1  | 60.2   | 60.2  | 60.5   | 60.5    | 60.8   | 60.8    | 60.8    |
| ≥ 7000          | 51.9                       | 58.6 | 59.1 | 60.2 | 60.4 | 60.5  | 60.5 | 60.5  | 60.5 | 60.5  | 60.6   | 60.6  | 60.9   | 60.9    | 61.2   | 61.2    | 61.2    |
| ≥ 6000          | 51.9                       | 58.7 | 59.3 | 60.4 | 60.5 | 60.6  | 60.6 | 60.6  | 60.6 | 60.6  | 60.8   | 60.8  | 61.0   | 61.0    | 61.3   | 61.3    | 61.3    |
| ≥ 5000          | 53.7                       | 60.6 | 61.2 | 62.3 | 62.4 | 62.5  | 62.5 | 62.5  | 62.5 | 62.5  | 62.7   | 62.7  | 62.9   | 62.9    | 63.2   | 63.2    | 63.2    |
| ≥ 4500          | 54.6                       | 61.7 | 62.4 | 63.5 | 63.6 | 63.8  | 63.8 | 63.8  | 63.8 | 63.8  | 63.9   | 63.9  | 64.2   | 64.2    | 64.4   | 64.4    | 64.4    |
| ≥ 4000          | 55.4                       | 62.5 | 63.2 | 64.3 | 64.4 | 64.6  | 64.6 | 64.6  | 64.6 | 64.6  | 64.7   | 64.7  | 65.0   | 65.0    | 65.3   | 65.3    | 65.3    |
| ≥ 3500          | 56.7                       | 64.7 | 64.9 | 65.9 | 66.1 | 66.2  | 66.2 | 66.2  | 66.2 | 66.2  | 66.3   | 66.3  | 66.6   | 66.6    | 66.9   | 66.9    | 66.9    |
| ≥ 3000          | 58.0                       | 65.8 | 66.8 | 68.0 | 68.3 | 68.4  | 68.4 | 68.4  | 68.4 | 68.4  | 68.5   | 68.5  | 68.8   | 68.8    | 69.1   | 69.1    | 69.1    |
| ≥ 2500          | 61.2                       | 70.7 | 71.7 | 72.9 | 73.2 | 73.3  | 73.3 | 73.3  | 73.3 | 73.3  | 73.4   | 73.4  | 73.7   | 73.7    | 74.0   | 74.0    | 74.0    |
| ≥ 2000          | 62.9                       | 73.6 | 74.5 | 75.7 | 76.0 | 76.2  | 76.2 | 76.2  | 76.2 | 76.2  | 76.3   | 76.3  | 76.6   | 76.6    | 76.8   | 76.8    | 76.8    |
| ≥ 1800          | 63.2                       | 74.1 | 75.1 | 76.8 | 77.1 | 77.2  | 77.2 | 77.2  | 77.2 | 77.2  | 77.4   | 77.4  | 77.7   | 77.7    | 77.9   | 77.9    | 77.9    |
| ≥ 1500          | 64.2                       | 77.7 | 78.3 | 80.2 | 80.7 | 80.8  | 80.8 | 80.8  | 80.8 | 80.8  | 80.9   | 80.9  | 81.2   | 81.2    | 81.5   | 81.5    | 81.5    |
| ≥ 1200          | 65.1                       | 78.3 | 79.7 | 82.0 | 82.4 | 82.6  | 82.6 | 82.6  | 82.6 | 82.6  | 82.7   | 82.7  | 83.0   | 83.0    | 83.2   | 83.2    | 83.2    |
| ≥ 1000          | 65.4                       | 79.7 | 81.1 | 83.4 | 83.9 | 84.1  | 84.1 | 84.1  | 84.1 | 84.1  | 84.2   | 84.2  | 84.5   | 84.5    | 84.7   | 84.7    | 84.7    |
| ≥ 900           | 65.4                       | 80.4 | 81.7 | 84.2 | 84.7 | 84.9  | 84.9 | 84.9  | 84.9 | 84.9  | 85.0   | 85.0  | 85.3   | 85.3    | 85.6   | 85.6    | 85.6    |
| ≥ 800           | 65.7                       | 80.8 | 82.3 | 84.9 | 85.4 | 85.6  | 85.6 | 85.6  | 85.6 | 85.6  | 85.7   | 85.7  | 86.0   | 86.0    | 86.2   | 86.2    | 86.2    |
| ≥ 700           | 65.8                       | 80.9 | 82.6 | 85.1 | 85.7 | 85.8  | 85.8 | 86.0  | 86.0 | 86.0  | 86.1   | 86.2  | 86.5   | 86.5    | 86.8   | 86.8    | 86.8    |
| ≥ 600           | 65.9                       | 81.2 | 82.8 | 85.4 | 86.0 | 86.1  | 86.2 | 86.5  | 86.6 | 86.6  | 86.8   | 86.9  | 87.2   | 87.2    | 87.5   | 87.5    | 87.5    |
| ≥ 500           | 65.9                       | 81.2 | 82.8 | 85.6 | 86.2 | 86.6  | 87.1 | 87.5  | 87.6 | 87.6  | 87.9   | 88.1  | 88.4   | 88.4    | 88.7   | 88.7    | 88.7    |
| ≥ 400           | 65.9                       | 81.5 | 83.4 | 86.8 | 88.0 | 88.4  | 89.0 | 89.4  | 89.6 | 89.9  | 90.2   | 90.5  | 90.7   | 90.7    | 91.0   | 91.0    | 91.0    |
| ≥ 300           | 65.9                       | 81.5 | 83.4 | 87.2 | 88.8 | 89.4  | 89.9 | 90.9  | 91.3 | 91.8  | 92.4   | 92.6  | 93.1   | 93.5    | 93.9   | 93.9    | 93.9    |
| ≥ 200           | 65.9                       | 81.5 | 83.4 | 87.2 | 88.8 | 89.4  | 89.9 | 90.9  | 91.3 | 91.8  | 92.4   | 92.6  | 93.1   | 93.6    | 94.6   | 94.6    | 94.6    |
| ≥ 100           | 65.9                       | 81.5 | 83.4 | 87.2 | 88.6 | 89.4  | 89.9 | 90.9  | 91.3 | 91.8  | 92.4   | 92.6  | 93.1   | 93.6    | 94.6   | 94.6    | 94.6    |
| ≥ 0             | 65.9                       | 81.5 | 83.4 | 87.2 | 88.6 | 89.4  | 89.9 | 90.9  | 91.3 | 91.8  | 92.4   | 92.6  | 93.1   | 93.6    | 94.6   | 94.6    | 94.6    |

TOTAL NUMBER OF OBSERVATIONS

734

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-78

MAX

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |       |      |       |       |      |      |      |      |       |      |       |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|------|-------|------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1.4 | ≥ 1  | ≥ .4 | ≥ .3 | ≥ .2 | ≥ .15 | ≥ .1 | ≥ 0   |
| NO CEILING      | 50.9                       | 56.6 | 57.4 | 57.6 | 57.9 | 57.9  | 58.0 | 58.0  | 58.0  | 58.0 | 58.0 | 58.0 | 58.0 | 58.0  | 58.0 | 58.0  |
| ≥ 20000         | 54.3                       | 61.0 | 62.1 | 62.6 | 62.8 | 62.8  | 62.9 | 62.9  | 62.9  | 62.9 | 62.9 | 62.9 | 62.9 | 62.9  | 62.9 | 62.9  |
| IV 18000        | 55.0                       | 61.7 | 62.8 | 63.4 | 63.6 | 63.6  | 63.7 | 63.7  | 63.7  | 63.7 | 63.7 | 63.7 | 63.7 | 63.7  | 63.7 | 63.7  |
| IV 16000        | 55.1                       | 61.9 | 63.0 | 63.6 | 63.9 | 63.9  | 64.0 | 64.0  | 64.0  | 64.0 | 64.0 | 64.0 | 64.0 | 64.0  | 64.0 | 64.0  |
| IV 14000        | 56.1                       | 62.9 | 64.1 | 64.7 | 64.9 | 64.9  | 65.0 | 65.0  | 65.0  | 65.0 | 65.0 | 65.0 | 65.0 | 65.0  | 65.0 | 65.0  |
| IV 12000        | 57.2                       | 64.2 | 65.4 | 66.1 | 66.3 | 66.3  | 66.4 | 66.4  | 66.4  | 66.4 | 66.4 | 66.4 | 66.4 | 66.4  | 66.4 | 66.4  |
| IV 10000        | 57.6                       | 64.8 | 65.9 | 66.6 | 66.9 | 66.9  | 67.0 | 67.0  | 67.0  | 67.0 | 67.0 | 67.0 | 67.0 | 67.0  | 67.0 | 67.0  |
| IV 9000         | 57.7                       | 64.9 | 66.1 | 66.7 | 67.0 | 67.0  | 67.1 | 67.1  | 67.1  | 67.1 | 67.1 | 67.1 | 67.1 | 67.1  | 67.1 | 67.1  |
| IV 8000         | 58.5                       | 65.9 | 67.1 | 67.8 | 68.0 | 68.0  | 68.1 | 68.1  | 68.1  | 68.1 | 68.1 | 68.1 | 68.1 | 68.1  | 68.1 | 68.1  |
| IV 7000         | 59.0                       | 66.7 | 67.9 | 68.6 | 68.8 | 68.8  | 68.9 | 68.9  | 68.9  | 68.9 | 68.9 | 68.9 | 68.9 | 68.9  | 68.9 | 68.9  |
| IV 6000         | 59.6                       | 67.4 | 68.6 | 69.3 | 69.5 | 69.5  | 69.6 | 69.6  | 69.6  | 69.6 | 69.6 | 69.6 | 69.6 | 69.6  | 69.6 | 69.6  |
| IV 5000         | 61.5                       | 69.5 | 70.7 | 71.4 | 71.6 | 71.6  | 71.7 | 71.7  | 71.7  | 71.7 | 71.7 | 71.7 | 71.7 | 71.7  | 71.7 | 71.7  |
| IV 4500         | 62.8                       | 71.6 | 72.7 | 73.4 | 73.7 | 73.7  | 73.8 | 73.8  | 73.8  | 73.8 | 73.8 | 73.8 | 73.8 | 73.8  | 73.8 | 73.8  |
| IV 4000         | 63.6                       | 72.4 | 73.6 | 74.2 | 74.5 | 74.5  | 74.6 | 74.6  | 74.6  | 74.6 | 74.6 | 74.6 | 74.6 | 74.6  | 74.6 | 74.6  |
| IV 3500         | 64.2                       | 73.4 | 74.6 | 75.3 | 75.5 | 75.5  | 75.6 | 75.6  | 75.6  | 75.6 | 75.6 | 75.6 | 75.6 | 75.6  | 75.6 | 75.6  |
| IV 3000         | 66.2                       | 76.2 | 77.4 | 78.1 | 78.3 | 78.3  | 78.4 | 78.4  | 78.4  | 78.4 | 78.4 | 78.4 | 78.4 | 78.4  | 78.4 | 78.4  |
| IV 2500         | 67.2                       | 77.8 | 79.3 | 80.0 | 80.3 | 80.3  | 80.4 | 80.4  | 80.4  | 80.4 | 80.4 | 80.4 | 80.4 | 80.4  | 80.4 | 80.4  |
| IV 2000         | 68.8                       | 79.8 | 81.5 | 82.9 | 83.1 | 83.1  | 83.3 | 83.4  | 83.4  | 83.4 | 83.4 | 83.4 | 83.4 | 83.4  | 83.4 | 83.4  |
| IV 1800         | 69.5                       | 81.1 | 82.8 | 84.3 | 84.5 | 84.5  | 84.6 | 84.8  | 84.8  | 84.8 | 84.8 | 84.8 | 84.8 | 84.8  | 84.8 | 84.8  |
| IV 1500         | 71.1                       | 84.2 | 86.1 | 87.6 | 87.9 | 87.9  | 88.0 | 88.1  | 88.1  | 88.1 | 88.1 | 88.1 | 88.1 | 88.1  | 88.1 | 88.1  |
| IV 1200         | 72.3                       | 85.8 | 87.8 | 89.5 | 89.8 | 89.8  | 90.0 | 90.1  | 90.1  | 90.1 | 90.1 | 90.1 | 90.1 | 90.1  | 90.1 | 90.1  |
| IV 1000         | 72.4                       | 87.3 | 89.3 | 91.0 | 91.6 | 91.6  | 91.7 | 91.8  | 91.8  | 91.8 | 91.8 | 91.8 | 91.8 | 91.8  | 91.8 | 91.8  |
| IV 900          | 72.5                       | 88.0 | 90.3 | 92.0 | 92.6 | 92.6  | 92.8 | 93.0  | 93.0  | 93.0 | 93.0 | 93.0 | 93.0 | 93.0  | 93.0 | 93.0  |
| IV 800          | 72.6                       | 88.3 | 90.6 | 93.0 | 93.5 | 93.5  | 93.8 | 94.0  | 94.0  | 94.0 | 94.0 | 94.0 | 94.0 | 94.0  | 94.0 | 94.0  |
| IV 700          | 72.6                       | 88.3 | 90.8 | 93.2 | 93.8 | 93.8  | 94.0 | 94.2  | 94.2  | 94.2 | 94.2 | 94.2 | 94.2 | 94.2  | 94.2 | 94.2  |
| IV 600          | 72.7                       | 89.0 | 91.6 | 94.0 | 94.0 | 94.0  | 94.6 | 94.8  | 95.0  | 95.0 | 95.0 | 95.0 | 95.0 | 95.0  | 95.0 | 95.0  |
| IV 500          | 72.9                       | 89.4 | 92.0 | 94.8 | 95.7 | 95.7  | 96.2 | 96.4  | 96.4  | 96.4 | 96.4 | 96.4 | 96.4 | 96.4  | 96.4 | 96.4  |
| IV 400          | 73.0                       | 89.6 | 92.4 | 95.3 | 96.3 | 96.3  | 96.5 | 97.0  | 97.2  | 97.2 | 97.3 | 97.3 | 97.3 | 97.3  | 97.3 | 97.3  |
| IV 300          | 73.0                       | 89.6 | 92.5 | 95.5 | 96.9 | 97.1  | 97.7 | 98.5  | 98.6  | 98.8 | 98.8 | 99.0 | 99.1 | 99.1  | 99.1 | 99.2  |
| IV 200          | 73.0                       | 89.6 | 92.5 | 95.5 | 96.9 | 97.1  | 97.8 | 98.8  | 99.0  | 99.2 | 99.2 | 99.3 | 99.5 | 99.5  | 99.5 | 99.8  |
| IV 100          | 73.0                       | 89.6 | 92.5 | 95.5 | 96.9 | 97.1  | 97.8 | 98.8  | 99.0  | 99.2 | 99.2 | 99.3 | 99.5 | 99.5  | 99.5 | 99.9  |
| IV 0            | 73.0                       | 89.6 | 92.5 | 95.5 | 96.9 | 97.1  | 97.8 | 98.8  | 99.0  | 99.2 | 99.2 | 99.3 | 99.5 | 99.5  | 99.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

866

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-78

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |       |      |       |      |      |       |       |       |       |       |       |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|------|------|-------|-------|-------|-------|-------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ .5 | ≥ .3  | ≥ .2  | ≥ .1  | ≥ .05 | ≥ .03 | ≥ 0   |
| NO CEILING      | 54.0                       | 60.2 | 60.6 | 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  |
| ≥ 20000         | 58.6                       | 65.8 | 66.3 | 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  |
| ≥ 18000         | 59.4                       | 67.2 | 67.7 | 67.9 | 68.0 | 68.0  | 68.0 | 68.0  | 68.0 | 68.0 | 68.0  | 68.0  | 68.0  | 68.0  | 68.0  | 68.0  |
| ≥ 16000         | 59.5                       | 67.4 | 67.9 | 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  |
| ≥ 14000         | 60.5                       | 68.5 | 68.9 | 69.2 | 69.3 | 69.3  | 69.3 | 69.3  | 69.3 | 69.3 | 69.3  | 69.3  | 69.3  | 69.3  | 69.3  | 69.3  |
| ≥ 12000         | 61.6                       | 69.7 | 70.2 | 70.4 | 70.5 | 70.5  | 70.5 | 70.5  | 70.5 | 70.5 | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  |
| ≥ 10000         | 62.3                       | 70.7 | 71.1 | 71.3 | 71.5 | 71.5  | 71.5 | 71.5  | 71.5 | 71.5 | 71.5  | 71.5  | 71.5  | 71.5  | 71.5  | 71.5  |
| ≥ 9000          | 62.3                       | 70.7 | 71.1 | 71.3 | 71.5 | 71.5  | 71.5 | 71.5  | 71.5 | 71.5 | 71.5  | 71.5  | 71.5  | 71.5  | 71.5  | 71.5  |
| ≥ 8000          | 63.1                       | 71.5 | 71.9 | 72.2 | 72.3 | 72.3  | 72.3 | 72.3  | 72.3 | 72.3 | 72.3  | 72.3  | 72.3  | 72.3  | 72.3  | 72.3  |
| ≥ 7000          | 63.4                       | 71.8 | 72.3 | 72.5 | 72.6 | 72.6  | 72.6 | 72.6  | 72.6 | 72.6 | 72.6  | 72.6  | 72.6  | 72.6  | 72.6  | 72.6  |
| ≥ 6000          | 63.6                       | 72.2 | 72.6 | 72.8 | 73.0 | 73.0  | 73.0 | 73.0  | 73.0 | 73.0 | 73.0  | 73.0  | 73.0  | 73.0  | 73.0  | 73.0  |
| ≥ 5000          | 65.5                       | 74.3 | 74.8 | 75.0 | 75.1 | 75.1  | 75.1 | 75.1  | 75.1 | 75.1 | 75.1  | 75.1  | 75.1  | 75.1  | 75.1  | 75.1  |
| ≥ 4500          | 66.4                       | 75.4 | 75.8 | 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  |
| ≥ 4000          | 67.0                       | 76.6 | 77.1 | 77.3 | 77.4 | 77.4  | 77.4 | 77.4  | 77.4 | 77.4 | 77.4  | 77.4  | 77.4  | 77.4  | 77.4  | 77.4  |
| ≥ 3500          | 67.7                       | 77.8 | 78.3 | 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  |
| ≥ 3000          | 68.8                       | 79.3 | 79.7 | 80.2 | 80.3 | 80.3  | 80.3 | 80.3  | 80.3 | 80.3 | 80.3  | 80.3  | 80.3  | 80.3  | 80.3  | 80.3  |
| ≥ 2500          | 70.1                       | 81.0 | 81.6 | 82.0 | 82.2 | 82.2  | 82.2 | 82.2  | 82.2 | 82.2 | 82.2  | 82.2  | 82.2  | 82.2  | 82.2  | 82.2  |
| ≥ 2000          | 71.7                       | 83.7 | 84.2 | 85.0 | 85.4 | 85.5  | 85.5 | 85.5  | 85.5 | 85.5 | 85.5  | 85.5  | 85.5  | 85.5  | 85.5  | 85.5  |
| ≥ 1800          | 72.3                       | 84.7 | 85.3 | 86.1 | 86.4 | 86.5  | 86.5 | 86.5  | 86.5 | 86.5 | 86.5  | 86.5  | 86.5  | 86.5  | 86.5  | 86.5  |
| ≥ 1500          | 74.1                       | 87.2 | 87.9 | 88.8 | 89.4 | 89.5  | 89.5 | 89.5  | 89.5 | 89.5 | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  |
| ≥ 1200          | 75.3                       | 89.5 | 90.4 | 91.7 | 92.3 | 92.5  | 92.5 | 92.5  | 92.5 | 92.5 | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  |
| ≥ 1000          | 75.5                       | 90.6 | 91.6 | 92.9 | 93.6 | 93.8  | 93.8 | 94.0  | 94.0 | 94.1 | 94.4  | 94.4  | 94.4  | 94.4  | 94.4  | 94.4  |
| ≥ 900           | 75.5                       | 90.8 | 91.8 | 93.1 | 93.8 | 94.0  | 94.0 | 94.2  | 94.2 | 94.4 | 94.6  | 94.6  | 94.6  | 94.6  | 94.6  | 94.6  |
| ≥ 800           | 75.5                       | 91.0 | 92.1 | 93.7 | 94.5 | 94.7  | 94.7 | 94.9  | 94.9 | 95.1 | 95.3  | 95.3  | 95.3  | 95.3  | 95.3  | 95.3  |
| ≥ 700           | 75.5                       | 91.5 | 92.8 | 94.5 | 95.3 | 95.5  | 95.5 | 95.7  | 95.7 | 95.9 | 96.1  | 96.1  | 96.1  | 96.1  | 96.1  | 96.1  |
| ≥ 600           | 75.5                       | 91.7 | 93.2 | 95.4 | 96.7 | 96.9  | 96.9 | 97.1  | 97.1 | 97.2 | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  |
| ≥ 500           | 75.6                       | 91.9 | 93.8 | 96.1 | 97.9 | 98.2  | 98.2 | 98.5  | 98.5 | 98.6 | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  |
| ≥ 400           | 75.7                       | 92.1 | 93.9 | 96.5 | 99.0 | 99.2  | 99.2 | 99.5  | 99.5 | 99.7 | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  |
| ≥ 300           | 75.7                       | 92.1 | 93.9 | 96.5 | 99.0 | 99.2  | 99.2 | 99.7  | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200           | 75.7                       | 92.1 | 93.9 | 96.5 | 99.0 | 99.2  | 99.2 | 99.7  | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100           | 75.7                       | 92.1 | 93.9 | 96.5 | 99.0 | 99.2  | 99.2 | 99.7  | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0             | 75.7                       | 92.1 | 93.9 | 96.5 | 99.0 | 99.2  | 99.2 | 99.7  | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

809

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

MAX

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                 | ≥10                      | ≥6   | ≥5   | ≥4   | ≥3   | ≥2.5 | ≥2   | ≥1.5 | ≥1.4 | ≥1   | ≥.8  | ≥.6  | ≥.5  | ≥.4  | ≥.3  | ≥.2  |
| NO CEILING      | 53.4                     | 59.3 | 60.0 | 60.4 | 60.5 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 |
| ≥ 20000         | 57.1                     | 63.7 | 64.4 | 64.8 | 64.9 | 65.0 | 65.0 | 65.0 | 65.0 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 |
| IV 18000        | 57.9                     | 64.5 | 65.2 | 65.6 | 65.7 | 65.9 | 65.9 | 65.9 | 65.9 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 |
| IV 16000        | 59.3                     | 65.9 | 66.6 | 67.0 | 67.1 | 67.2 | 67.2 | 67.2 | 67.2 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| IV 14000        | 60.6                     | 67.6 | 68.3 | 68.8 | 68.9 | 69.0 | 69.0 | 69.0 | 69.0 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 |
| IV 12000        | 61.6                     | 68.9 | 69.6 | 70.1 | 70.3 | 70.4 | 70.4 | 70.4 | 70.4 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 |
| IV 10000        | 62.2                     | 69.4 | 70.1 | 70.7 | 70.8 | 70.9 | 70.9 | 70.9 | 70.9 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| IV 9000         | 62.2                     | 69.4 | 70.1 | 70.7 | 70.8 | 70.9 | 70.9 | 70.9 | 70.9 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| IV 8000         | 62.4                     | 69.8 | 70.5 | 71.1 | 71.2 | 71.3 | 71.3 | 71.3 | 71.3 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 |
| IV 7000         | 62.5                     | 70.0 | 70.7 | 71.3 | 71.4 | 71.5 | 71.5 | 71.5 | 71.5 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 |
| IV 6000         | 62.6                     | 70.1 | 70.8 | 71.4 | 71.5 | 71.6 | 71.6 | 71.6 | 71.6 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| IV 5000         | 63.9                     | 72.0 | 72.7 | 73.3 | 73.4 | 73.5 | 73.5 | 73.5 | 73.5 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 |
| IV 4500         | 64.0                     | 72.2 | 72.9 | 73.5 | 73.6 | 73.7 | 73.7 | 73.7 | 73.7 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 |
| IV 4000         | 64.8                     | 73.3 | 74.0 | 74.5 | 74.7 | 74.8 | 74.8 | 74.8 | 74.8 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 |
| IV 3500         | 65.7                     | 74.3 | 75.0 | 75.6 | 75.7 | 75.8 | 75.8 | 75.8 | 75.8 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 |
| IV 3000         | 66.4                     | 75.5 | 76.2 | 76.7 | 76.9 | 77.0 | 77.0 | 77.0 | 77.0 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| IV 2500         | 67.9                     | 77.4 | 78.1 | 79.1 | 79.2 | 79.3 | 79.3 | 79.3 | 79.3 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 |
| IV 2000         | 69.7                     | 81.1 | 81.9 | 83.0 | 83.2 | 83.3 | 83.3 | 83.3 | 83.3 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 |
| IV 1800         | 70.8                     | 82.4 | 83.7 | 84.8 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |
| IV 1500         | 72.0                     | 84.3 | 85.5 | 86.7 | 86.9 | 87.0 | 87.0 | 87.0 | 87.0 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| IV 1200         | 72.9                     | 86.5 | 87.8 | 89.4 | 89.6 | 89.7 | 89.8 | 89.8 | 89.8 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| IV 1000         | 73.7                     | 88.1 | 89.5 | 91.0 | 91.2 | 91.3 | 91.4 | 91.4 | 91.4 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| ≥ 900           | 73.8                     | 88.5 | 90.2 | 92.0 | 92.4 | 92.5 | 92.6 | 92.6 | 92.6 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| ≥ 800           | 73.8                     | 88.7 | 90.3 | 92.4 | 92.7 | 92.8 | 92.9 | 92.9 | 92.9 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| ≥ 700           | 74.0                     | 89.1 | 90.9 | 93.1 | 93.4 | 93.5 | 93.6 | 93.6 | 93.6 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| ≥ 600           | 74.3                     | 89.9 | 91.9 | 94.6 | 95.0 | 95.3 | 95.5 | 95.6 | 95.6 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| ≥ 500           | 74.3                     | 90.3 | 92.2 | 95.3 | 96.4 | 96.6 | 97.1 | 97.2 | 97.2 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| ≥ 400           | 74.3                     | 90.4 | 92.5 | 96.1 | 97.7 | 98.0 | 98.7 | 98.8 | 98.8 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 300           | 74.3                     | 90.4 | 92.5 | 96.1 | 97.7 | 98.1 | 99.0 | 99.1 | 99.1 | 99.3 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 |
| ≥ 200           | 74.3                     | 90.4 | 92.5 | 96.1 | 97.7 | 98.1 | 99.0 | 99.1 | 99.1 | 99.4 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 |
| ≥ 100           | 74.3                     | 90.4 | 92.5 | 96.1 | 97.7 | 98.1 | 99.0 | 99.1 | 99.1 | 99.4 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 |
| ≥ 0             | 74.3                     | 90.4 | 92.5 | 96.1 | 97.7 | 98.1 | 99.0 | 99.1 | 99.1 | 99.4 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS

864

USAF ETAC 0-14-5 (DL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

67-70, 73-76, 78  
YEARS

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
TIME PERIOD

| CEILING<br>FEET | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |       |      |       |        |       |       |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|--------|-------|-------|
|                 | ≥10                        | ≥6   | ≥5   | ≥4   | ≥3   | ≥2.5 | ≥2   | ≥1.5 | ≥1   | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0    |
| NO CEILING      | 46.4                       | 55.2 | 55.4 | 55.9 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2  | 56.2 | 56.4  | 56.4   | 56.4  | 56.4  |
| ≥ 20000         | 48.3                       | 57.8 | 58.0 | 58.5 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8  | 58.8 | 59.0  | 59.0   | 59.0  | 59.2  |
| ≥ 18000         | 49.3                       | 58.8 | 59.0 | 59.5 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9  | 59.9 | 60.0  | 60.0   | 60.0  | 60.2  |
| ≥ 16000         | 49.8                       | 59.3 | 59.5 | 60.0 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4  | 60.4 | 60.6  | 60.6   | 60.6  | 60.7  |
| ≥ 14000         | 50.9                       | 60.9 | 61.1 | 61.6 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9  | 61.9 | 62.1  | 62.1   | 62.1  | 62.3  |
| ≥ 12000         | 52.9                       | 63.0 | 63.1 | 63.8 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2  | 64.2 | 64.4  | 64.4   | 64.4  | 64.5  |
| ≥ 10000         | 53.6                       | 64.0 | 64.2 | 64.9 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2  | 65.2 | 65.4  | 65.4   | 65.4  | 65.6  |
| ≥ 9000          | 53.6                       | 64.0 | 64.2 | 64.9 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2  | 65.2 | 65.4  | 65.4   | 65.4  | 65.6  |
| ≥ 8000          | 54.2                       | 64.5 | 64.7 | 65.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7  | 65.7 | 65.9  | 65.9   | 65.9  | 66.1  |
| ≥ 7000          | 55.2                       | 65.6 | 65.7 | 66.4 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8  | 66.8 | 67.0  | 67.0   | 67.0  | 67.1  |
| ≥ 6000          | 55.5                       | 66.1 | 66.3 | 67.0 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3  | 67.3 | 67.5  | 67.5   | 67.5  | 67.6  |
| ≥ 5000          | 55.5                       | 66.1 | 66.3 | 67.0 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3  | 67.3 | 67.5  | 67.5   | 67.5  | 67.6  |
| ≥ 4500          | 56.4                       | 67.1 | 67.3 | 68.0 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3  | 68.3 | 68.5  | 68.5   | 68.5  | 68.7  |
| ≥ 4000          | 57.1                       | 68.0 | 68.2 | 68.9 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2  | 69.2 | 69.4  | 69.4   | 69.4  | 69.6  |
| ≥ 3500          | 57.6                       | 68.7 | 68.9 | 69.6 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9  | 69.9 | 70.1  | 70.1   | 70.1  | 70.2  |
| ≥ 3000          | 58.3                       | 69.7 | 70.2 | 70.9 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3  | 71.3 | 71.5  | 71.5   | 71.5  | 71.6  |
| ≥ 2500          | 59.3                       | 72.1 | 72.7 | 73.5 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9  | 73.9 | 74.0  | 74.0   | 74.0  | 74.2  |
| ≥ 2000          | 61.2                       | 75.4 | 76.0 | 76.8 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3  | 77.3 | 77.5  | 77.5   | 77.5  | 77.7  |
| ≥ 1800          | 61.8                       | 76.3 | 76.8 | 77.7 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2  | 78.2 | 78.4  | 78.4   | 78.4  | 78.5  |
| ≥ 1500          | 62.6                       | 77.9 | 78.4 | 79.2 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8  | 79.8 | 80.1  | 80.1   | 80.1  | 80.3  |
| ≥ 1200          | 63.5                       | 80.1 | 80.8 | 82.4 | 82.9 | 82.9 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0  | 83.0 | 83.2  | 83.2   | 83.2  | 83.4  |
| ≥ 1000          | 64.2                       | 81.7 | 82.4 | 84.3 | 84.8 | 84.8 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9  | 84.9 | 85.1  | 85.1   | 85.1  | 85.3  |
| ≥ 900           | 64.7                       | 83.4 | 84.3 | 86.5 | 87.0 | 87.0 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2  | 87.2 | 87.4  | 87.4   | 87.4  | 87.5  |
| ≥ 800           | 64.9                       | 83.6 | 84.4 | 86.9 | 87.5 | 87.5 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7  | 87.7 | 87.9  | 87.9   | 87.9  | 88.1  |
| ≥ 700           | 65.2                       | 84.8 | 85.8 | 88.4 | 89.3 | 89.3 | 89.4 | 89.6 | 89.6 | 89.6 | 89.6  | 89.6 | 89.8  | 89.8   | 89.8  | 90.0  |
| ≥ 600           | 65.2                       | 84.8 | 85.8 | 88.4 | 89.4 | 89.4 | 89.8 | 90.1 | 90.1 | 90.1 | 90.1  | 90.1 | 90.3  | 90.3   | 90.3  | 90.5  |
| ≥ 500           | 65.2                       | 84.9 | 86.0 | 89.6 | 90.7 | 90.7 | 91.2 | 91.5 | 91.5 | 91.5 | 91.5  | 91.5 | 91.7  | 91.7   | 91.7  | 91.9  |
| ≥ 400           | 65.4                       | 85.3 | 86.5 | 90.8 | 92.2 | 92.4 | 92.9 | 93.4 | 93.4 | 93.4 | 93.4  | 93.4 | 93.8  | 93.8   | 93.8  | 93.9  |
| ≥ 300           | 65.4                       | 85.3 | 86.5 | 91.0 | 92.6 | 92.9 | 94.1 | 94.8 | 94.8 | 95.0 | 95.2  | 95.3 | 95.3  | 95.3   | 95.3  | 95.6  |
| ≥ 200           | 65.4                       | 85.3 | 86.5 | 91.2 | 92.7 | 93.1 | 94.8 | 95.8 | 95.8 | 96.4 | 96.5  | 96.9 | 96.9  | 97.1   | 97.1  | 98.6  |
| ≥ 100           | 65.4                       | 85.3 | 86.5 | 91.2 | 92.7 | 93.1 | 94.8 | 96.0 | 96.0 | 96.5 | 96.9  | 97.2 | 97.2  | 97.4   | 97.6  | 100.0 |
| ≥ 0             | 65.4                       | 85.3 | 86.5 | 91.2 | 92.7 | 93.1 | 94.8 | 96.0 | 96.0 | 96.5 | 96.9  | 97.2 | 97.2  | 97.4   | 97.6  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

578

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

93214 VANDENBERG AFH CA

7-70-73-74-78

04H

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                 | ≥10                      | ≥6   | ≥5   | ≥4   | ≥3   | ≥2   | ≥2   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   |
| NO CEILING      | 45.4                     | 55.9 | 56.1 | 56.4 | 56.6 | 56.6 | 56.6 | 56.8 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.6 |
| ≥ 20000         | 46.7                     | 58.1 | 58.2 | 58.7 | 58.9 | 58.9 | 58.9 | 59.1 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.8 | 59.8 |
| ≥ 18000         | 47.1                     | 58.5 | 58.7 | 59.1 | 59.3 | 59.3 | 59.3 | 59.4 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 60.2 | 60.2 |
| ≥ 16000         | 47.5                     | 58.9 | 59.1 | 59.4 | 59.6 | 59.6 | 59.6 | 59.8 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.6 | 60.6 |
| ≥ 14000         | 48.4                     | 60.2 | 60.4 | 60.7 | 60.9 | 60.9 | 60.9 | 61.1 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.9 | 61.9 |
| ≥ 12000         | 49.7                     | 61.5 | 61.7 | 62.1 | 62.2 | 62.2 | 62.2 | 62.4 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 63.2 | 63.2 |
| ≥ 10000         | 51.2                     | 63.2 | 63.4 | 63.7 | 63.9 | 63.9 | 63.9 | 64.1 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.9 | 64.9 |
| ≥ 9000          | 51.2                     | 63.2 | 63.4 | 63.7 | 63.9 | 63.9 | 63.9 | 64.1 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.9 | 64.9 |
| ≥ 8000          | 51.4                     | 63.6 | 63.7 | 64.1 | 64.3 | 64.3 | 64.3 | 64.5 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 65.2 | 65.2 |
| ≥ 7000          | 52.1                     | 64.9 | 65.0 | 65.4 | 65.6 | 65.6 | 65.6 | 65.8 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.5 | 66.5 |
| ≥ 6000          | 52.9                     | 65.6 | 65.8 | 66.2 | 66.4 | 66.4 | 66.4 | 66.5 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 67.3 | 67.3 |
| ≥ 5000          | 52.9                     | 65.6 | 65.8 | 66.2 | 66.4 | 66.4 | 66.4 | 66.5 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 67.3 | 67.3 |
| ≥ 4500          | 53.6                     | 66.9 | 67.1 | 67.5 | 67.7 | 67.7 | 67.7 | 67.9 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.6 | 68.6 |
| ≥ 4000          | 54.0                     | 67.5 | 67.7 | 68.0 | 68.2 | 68.2 | 68.2 | 68.4 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 69.2 | 69.2 |
| ≥ 3500          | 55.0                     | 69.3 | 69.5 | 69.9 | 70.1 | 70.1 | 70.1 | 70.3 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 71.0 | 71.0 |
| ≥ 3000          | 55.9                     | 70.7 | 70.8 | 71.2 | 71.4 | 71.4 | 71.4 | 71.6 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.3 | 72.3 |
| ≥ 2500          | 56.8                     | 72.5 | 72.7 | 73.1 | 73.3 | 73.3 | 73.3 | 73.5 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 74.2 | 74.2 |
| ≥ 2000          | 59.1                     | 76.8 | 77.4 | 77.8 | 77.9 | 77.9 | 77.9 | 78.1 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.9 | 78.9 |
| ≥ 1800          | 59.8                     | 77.9 | 78.5 | 78.9 | 79.1 | 79.1 | 79.1 | 79.3 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 80.0 | 80.0 |
| ≥ 1500          | 60.4                     | 79.3 | 80.0 | 80.4 | 80.6 | 80.6 | 80.6 | 80.7 | 81.1 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.7 | 81.7 |
| ≥ 1200          | 61.1                     | 82.1 | 82.8 | 83.2 | 83.4 | 83.4 | 83.4 | 83.6 | 83.9 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.5 | 84.5 |
| ≥ 1000          | 61.3                     | 82.6 | 83.4 | 83.9 | 84.1 | 84.1 | 84.1 | 84.3 | 84.7 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 85.2 | 85.2 |
| ≥ 900           | 61.7                     | 84.5 | 85.2 | 86.0 | 86.2 | 86.2 | 86.2 | 86.4 | 86.7 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 87.3 | 87.3 |
| ≥ 800           | 61.7                     | 85.0 | 85.8 | 86.5 | 86.7 | 86.7 | 86.7 | 86.9 | 87.3 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.9 | 87.9 |
| ≥ 700           | 61.7                     | 86.0 | 86.7 | 87.5 | 87.7 | 87.7 | 87.7 | 87.9 | 88.2 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.8 | 88.8 |
| ≥ 600           | 61.7                     | 86.5 | 87.7 | 88.4 | 88.8 | 88.8 | 88.8 | 89.0 | 89.3 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.9 | 89.9 |
| ≥ 500           | 61.9                     | 87.3 | 89.0 | 90.3 | 91.0 | 91.0 | 91.0 | 91.2 | 91.6 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 92.1 | 92.1 |
| ≥ 400           | 62.1                     | 87.5 | 89.7 | 91.2 | 92.0 | 92.1 | 92.1 | 92.3 | 92.7 | 93.1 | 93.3 | 93.3 | 93.3 | 93.3 | 93.6 | 93.6 |
| ≥ 300           | 62.1                     | 87.5 | 89.7 | 91.2 | 92.0 | 92.1 | 92.1 | 92.3 | 92.7 | 93.1 | 93.3 | 93.3 | 93.3 | 93.3 | 93.6 | 93.6 |
| ≥ 200           | 62.1                     | 87.5 | 89.7 | 91.2 | 92.0 | 92.1 | 92.1 | 92.3 | 92.7 | 93.1 | 93.3 | 93.3 | 93.3 | 93.3 | 93.6 | 93.6 |
| ≥ 100           | 62.1                     | 87.5 | 89.7 | 91.2 | 92.0 | 92.1 | 92.1 | 92.3 | 92.7 | 93.1 | 93.3 | 93.3 | 93.3 | 93.3 | 93.6 | 93.6 |
| ≥ 0             | 62.1                     | 87.5 | 89.7 | 91.2 | 92.0 | 92.1 | 92.1 | 92.3 | 92.7 | 93.1 | 93.3 | 93.3 | 93.3 | 93.3 | 93.6 | 93.6 |

TOTAL NUMBER OF OBSERVATIONS

535

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

67-70, 73-78  
YEAR

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 | ≥10                        | ≥6   | ≥5   | ≥4   | ≥3   | ≥2   | ≥2   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1    |
| NO CEILING      | 50.4                       | 57.5 | 58.1 | 58.5 | 58.7 | 58.7 | 58.8 | 58.8 | 58.8 | 58.9 | 58.9 | 58.9 | 58.9 | 59.0 | 59.0 | 59.2  |
| ≥ 20000         | 53.1                       | 61.0 | 61.7 | 62.1 | 62.4 | 62.4 | 62.4 | 62.4 | 62.5 | 62.5 | 62.5 | 62.5 | 62.6 | 62.6 | 62.6 | 62.8  |
| ≥ 18000         | 53.7                       | 61.7 | 62.3 | 62.8 | 63.1 | 63.1 | 63.1 | 63.1 | 63.2 | 63.2 | 63.2 | 63.2 | 63.3 | 63.4 | 63.4 | 63.5  |
| ≥ 16000         | 54.1                       | 62.1 | 62.8 | 63.3 | 63.5 | 63.6 | 63.6 | 63.6 | 63.6 | 63.7 | 63.7 | 63.7 | 63.8 | 63.8 | 63.8 | 64.0  |
| ≥ 14000         | 55.1                       | 63.3 | 63.9 | 64.4 | 64.7 | 64.7 | 64.7 | 64.8 | 64.8 | 64.8 | 64.9 | 64.9 | 65.0 | 65.0 | 65.0 | 65.2  |
| ≥ 12000         | 56.2                       | 64.5 | 65.2 | 65.7 | 65.9 | 66.0 | 66.0 | 66.1 | 66.1 | 66.1 | 66.2 | 66.2 | 66.2 | 66.3 | 66.3 | 66.5  |
| ≥ 10000         | 57.0                       | 65.4 | 66.0 | 66.6 | 66.8 | 66.9 | 66.9 | 67.0 | 67.0 | 67.0 | 67.0 | 67.1 | 67.1 | 67.2 | 67.2 | 67.4  |
| ≥ 9000          | 57.0                       | 65.4 | 66.1 | 66.7 | 66.9 | 66.9 | 67.0 | 67.0 | 67.0 | 67.1 | 67.1 | 67.1 | 67.2 | 67.2 | 67.4 | 67.7  |
| ≥ 8000          | 57.4                       | 65.9 | 66.6 | 67.2 | 67.4 | 67.4 | 67.5 | 67.5 | 67.5 | 67.6 | 67.6 | 67.6 | 67.7 | 67.7 | 67.9 | 68.2  |
| ≥ 7000          | 58.0                       | 66.7 | 67.3 | 67.9 | 68.1 | 68.2 | 68.2 | 68.2 | 68.3 | 68.3 | 68.3 | 68.4 | 68.4 | 68.5 | 68.6 | 68.9  |
| ≥ 6000          | 58.3                       | 67.1 | 67.8 | 68.3 | 68.5 | 68.6 | 68.6 | 68.7 | 68.7 | 68.7 | 68.8 | 68.8 | 68.9 | 68.9 | 69.0 | 69.3  |
| ≥ 5000          | 59.5                       | 68.5 | 69.1 | 69.7 | 69.9 | 70.0 | 70.0 | 70.0 | 70.1 | 70.1 | 70.1 | 70.2 | 70.2 | 70.3 | 70.4 | 70.7  |
| ≥ 4500          | 60.2                       | 69.6 | 70.2 | 70.8 | 71.0 | 71.1 | 71.1 | 71.1 | 71.2 | 71.2 | 71.2 | 71.3 | 71.3 | 71.3 | 71.5 | 71.8  |
| ≥ 4000          | 61.0                       | 70.5 | 71.2 | 71.8 | 72.0 | 72.0 | 72.1 | 72.1 | 72.1 | 72.2 | 72.2 | 72.2 | 72.3 | 72.3 | 72.5 | 72.8  |
| ≥ 3500          | 61.9                       | 71.9 | 72.6 | 73.1 | 73.3 | 73.4 | 73.4 | 73.4 | 73.5 | 73.5 | 73.5 | 73.6 | 73.7 | 73.7 | 73.8 | 74.1  |
| ≥ 3000          | 62.9                       | 73.4 | 74.2 | 74.8 | 75.0 | 75.1 | 75.1 | 75.1 | 75.2 | 75.2 | 75.2 | 75.3 | 75.3 | 75.4 | 75.5 | 75.8  |
| ≥ 2500          | 64.4                       | 75.8 | 76.7 | 77.3 | 77.6 | 77.6 | 77.7 | 77.7 | 77.7 | 77.8 | 77.8 | 77.8 | 77.9 | 77.9 | 78.1 | 78.4  |
| ≥ 2000          | 66.1                       | 78.7 | 79.6 | 80.5 | 80.8 | 80.9 | 80.9 | 81.0 | 81.0 | 81.1 | 81.1 | 81.1 | 81.2 | 81.2 | 81.4 | 81.7  |
| ≥ 1800          | 66.8                       | 79.7 | 80.7 | 81.7 | 82.0 | 82.1 | 82.1 | 82.2 | 82.2 | 82.3 | 82.3 | 82.4 | 82.4 | 82.4 | 82.6 | 82.9  |
| ≥ 1500          | 67.9                       | 81.9 | 82.9 | 84.0 | 84.4 | 84.4 | 84.5 | 84.6 | 84.6 | 84.7 | 84.8 | 84.8 | 84.9 | 84.9 | 85.1 | 85.3  |
| ≥ 1200          | 68.8                       | 83.7 | 85.0 | 86.3 | 86.7 | 86.8 | 86.8 | 86.9 | 87.0 | 87.0 | 87.1 | 87.1 | 87.2 | 87.2 | 87.4 | 87.7  |
| ≥ 1000          | 69.1                       | 84.9 | 86.1 | 87.5 | 88.0 | 88.0 | 88.1 | 88.2 | 88.2 | 88.3 | 88.4 | 88.4 | 88.5 | 88.5 | 88.7 | 89.0  |
| ≥ 900           | 69.2                       | 85.7 | 87.1 | 88.6 | 89.1 | 89.2 | 89.3 | 89.4 | 89.4 | 89.5 | 89.6 | 89.6 | 89.7 | 89.7 | 89.8 | 90.1  |
| ≥ 800           | 69.3                       | 86.0 | 87.4 | 89.1 | 89.6 | 89.7 | 89.8 | 89.9 | 90.0 | 90.1 | 90.1 | 90.2 | 90.2 | 90.3 | 90.4 | 90.7  |
| ≥ 700           | 69.4                       | 86.5 | 87.9 | 89.8 | 90.3 | 90.4 | 90.5 | 90.6 | 90.7 | 90.8 | 90.8 | 90.9 | 91.0 | 91.0 | 91.1 | 91.4  |
| ≥ 600           | 69.5                       | 87.0 | 88.6 | 90.6 | 91.3 | 91.4 | 91.5 | 91.7 | 91.8 | 91.9 | 91.9 | 92.0 | 92.1 | 92.1 | 92.3 | 92.5  |
| ≥ 500           | 69.5                       | 87.3 | 89.1 | 91.4 | 92.4 | 92.6 | 92.9 | 93.1 | 93.2 | 93.2 | 93.3 | 93.4 | 93.5 | 93.5 | 93.7 | 94.0  |
| ≥ 400           | 69.6                       | 87.4 | 89.4 | 92.2 | 93.5 | 93.8 | 94.2 | 94.4 | 94.5 | 94.7 | 94.8 | 94.9 | 94.9 | 95.0 | 95.1 | 95.4  |
| ≥ 300           | 69.6                       | 87.4 | 89.5 | 92.4 | 93.9 | 94.2 | 94.7 | 95.1 | 95.2 | 95.4 | 95.6 | 95.7 | 95.8 | 95.8 | 96.0 | 96.4  |
| ≥ 200           | 69.6                       | 87.4 | 89.5 | 92.4 | 94.0 | 94.3 | 94.9 | 95.5 | 95.6 | 95.9 | 96.2 | 96.4 | 96.6 | 96.7 | 97.0 | 97.9  |
| ≥ 100           | 69.6                       | 87.4 | 89.5 | 92.4 | 94.0 | 94.3 | 94.9 | 95.5 | 95.7 | 96.0 | 96.3 | 96.5 | 96.7 | 96.9 | 97.5 | 99.8  |
| ≥ 0             | 69.6                       | 87.4 | 89.5 | 92.4 | 94.0 | 94.3 | 94.9 | 95.5 | 95.7 | 96.0 | 96.3 | 96.5 | 96.8 | 96.9 | 97.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

5389

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB, CA

7-70-73

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0700

| CEILING<br>FEET | VISIBILITY STATISTICAL |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------|------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                 | ≥10                    | ≥6   | ≥5   | ≥4   | ≥3   | ≥2   | ≥2   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   |
| NO. CEILING     | 46.9                   | 62.4 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 |
| 20000           | 47.3                   | 63.6 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 |
| 18000           | 47.3                   | 63.6 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 |
| 16000           | 47.8                   | 64.0 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 |
| 14000           | 48.2                   | 64.4 | 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 |
| 12000           | 48.7                   | 64.9 | 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 |
| 10000           | 49.3                   | 65.6 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 |
| 8000            | 49.3                   | 65.6 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 |
| 6000            | 49.3                   | 66.4 | 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 |
| 4000            | 49.3                   | 66.4 | 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 |
| 2000            | 50.0                   | 67.1 | 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 |
| 1000            | 50.2                   | 67.3 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 |
| 500             | 50.7                   | 67.8 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 |
| 400             | 50.9                   | 68.0 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 |
| 300             | 51.6                   | 68.9 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 |
| 250             | 52.4                   | 69.8 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| 200             | 53.8                   | 71.3 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| 150             | 55.3                   | 73.8 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| 100             | 57.1                   | 76.7 | 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 |
| 80              | 57.8                   | 77.8 | 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 |
| 60              | 58.4                   | 79.3 | 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 |
| 40              | 58.4                   | 80.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 |
| 20              | 58.7                   | 81.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 |
| 10              | 58.7                   | 81.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 |
| 5               | 58.7                   | 82.4 | 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 | 84.7 |
| 2               | 58.7                   | 82.7 | 84.9 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| 1               | 58.7                   | 84.0 | 86.2 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 |
| 0.5             | 58.7                   | 84.0 | 86.2 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 |
| 0.2             | 58.7                   | 84.9 | 87.1 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| 0.1             | 58.7                   | 86.0 | 88.4 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 |
| 0.05            | 58.7                   | 86.4 | 88.9 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| 0.02            | 58.7                   | 86.4 | 88.9 | 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 |
| 0.01            | 58.7                   | 86.4 | 88.9 | 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 |

TOTAL NUMBER OF OBSERVATIONS

450

SAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

07-70073

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                 | ≥10                        | ≥6   | ≥5   | ≥4   | ≥3   | ≥2   | ≥2   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   |
| NO CEILING      | 47.3                       | 57.8 | 58.9 | 58.9 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 |
| ≥ 20000         | 48.2                       | 58.7 | 59.8 | 59.8 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 |
| ≥ 18000         | 48.2                       | 58.7 | 59.8 | 59.8 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 |
| ≥ 16000         | 48.2                       | 59.3 | 60.4 | 60.4 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 61.1 | 61.3 | 61.3 | 61.3 | 61.3 |
| ≥ 14000         | 48.2                       | 59.3 | 60.4 | 60.4 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 61.1 | 61.3 | 61.3 | 61.3 | 61.3 |
| ≥ 12000         | 48.2                       | 59.3 | 60.4 | 60.4 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 61.1 | 61.3 | 61.3 | 61.3 | 61.3 |
| ≥ 10000         | 48.7                       | 60.2 | 61.3 | 61.3 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 62.0 | 62.2 | 62.2 | 62.2 | 62.2 |
| ≥ 9000          | 48.9                       | 60.7 | 61.8 | 61.8 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.4 | 62.7 | 62.7 | 62.7 | 62.7 |
| ≥ 8000          | 49.1                       | 61.6 | 62.7 | 62.7 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 63.3 | 63.6 | 63.6 | 63.6 | 63.6 |
| ≥ 7000          | 50.0                       | 62.4 | 63.6 | 63.6 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 64.2 | 64.4 | 64.4 | 64.4 | 64.4 |
| ≥ 6000          | 51.1                       | 63.6 | 64.7 | 64.7 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 65.3 | 65.6 | 65.6 | 65.6 | 65.6 |
| ≥ 5000          | 52.7                       | 65.1 | 66.2 | 66.2 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.8 | 67.1 | 67.1 | 67.1 | 67.1 |
| ≥ 4500          | 53.6                       | 66.0 | 67.1 | 67.1 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.7 | 68.0 | 68.0 | 68.0 | 68.0 |
| ≥ 4000          | 54.4                       | 66.9 | 68.0 | 68.0 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.6 | 68.9 | 68.9 | 68.9 | 68.9 |
| ≥ 3500          | 55.1                       | 67.6 | 68.7 | 68.7 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 69.3 | 69.6 | 69.6 | 69.6 | 69.6 |
| ≥ 3000          | 56.7                       | 70.4 | 71.6 | 71.6 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 72.2 | 72.4 | 72.4 | 72.4 | 72.4 |
| ≥ 2500          | 58.4                       | 73.3 | 74.4 | 74.4 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 75.1 | 75.3 | 75.3 | 75.3 | 75.3 |
| ≥ 2000          | 59.8                       | 75.3 | 76.4 | 76.4 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 77.1 | 77.3 | 77.3 | 77.3 | 77.3 |
| ≥ 1800          | 59.8                       | 76.2 | 77.3 | 77.3 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 78.0 | 78.2 | 78.2 | 78.2 | 78.2 |
| ≥ 1500          | 60.9                       | 77.6 | 78.9 | 78.9 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.5 | 79.8 | 79.8 | 79.8 | 79.8 |
| ≥ 1200          | 61.3                       | 78.9 | 80.2 | 80.2 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.8 | 81.1 | 81.1 | 81.1 | 81.1 |
| ≥ 1000          | 61.3                       | 79.8 | 81.1 | 81.1 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.7 | 82.0 | 82.0 | 82.0 | 82.0 |
| ≥ 900           | 61.3                       | 79.8 | 81.1 | 81.3 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 82.0 | 82.2 | 82.2 | 82.2 | 82.2 |
| ≥ 800           | 61.3                       | 79.8 | 81.1 | 81.6 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 82.2 | 82.4 | 82.4 | 82.4 | 82.4 |
| ≥ 700           | 61.3                       | 80.4 | 82.2 | 83.1 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.7 | 84.0 | 84.0 | 84.0 | 84.0 |
| ≥ 600           | 61.3                       | 81.8 | 83.6 | 84.4 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 85.1 | 85.3 | 85.3 | 85.3 | 85.3 |
| ≥ 500           | 61.3                       | 82.4 | 84.2 | 85.3 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 86.0 | 86.3 | 86.3 | 86.3 | 86.3 |
| ≥ 400           | 61.3                       | 83.8 | 85.8 | 86.0 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.8 | 87.1 | 87.1 | 87.1 | 87.1 |
| ≥ 300           | 61.3                       | 84.0 | 86.0 | 86.4 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 87.2 | 87.5 | 87.5 | 87.5 | 87.5 |
| ≥ 200           | 61.3                       | 84.0 | 86.0 | 86.4 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 87.2 | 87.5 | 87.5 | 87.5 | 87.5 |
| ≥ 100           | 61.3                       | 84.0 | 86.0 | 86.4 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 87.2 | 87.5 | 87.5 | 87.5 | 87.5 |
| ≥ 50            | 61.3                       | 84.0 | 86.0 | 86.4 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 87.2 | 87.5 | 87.5 | 87.5 | 87.5 |

TOTAL NUMBER OF OBSERVATIONS

450

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/TAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

07-70073-70

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-2400

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |       |      |       |      |      |      |      |      |       |       |       |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|------|------|------|------|------|-------|-------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ .5 | ≥ .3 | ≥ .2 | ≥ .1 | ≥ .05 | ≥ .02 | ≥ .01 |
| NO CEILING      | 47.5                       | 53.9 | 54.1 | 54.5 | 55.1 | 55.1  | 55.2 | 55.4  | 55.4 | 55.5 | 55.5 | 55.5 | 55.5 | 55.7  | 55.8  | 56.1  |
| ≥ 20000         | 48.7                       | 55.1 | 55.4 | 55.8 | 56.4 | 56.4  | 56.5 | 56.7  | 56.7 | 56.8 | 56.8 | 56.8 | 56.8 | 57.1  | 57.2  | 57.5  |
| ≥ 18000         | 49.7                       | 56.1 | 56.4 | 56.8 | 57.4 | 57.4  | 57.5 | 57.6  | 57.6 | 57.8 | 57.8 | 57.8 | 57.8 | 58.1  | 58.2  | 58.4  |
| ≥ 16000         | 49.9                       | 56.4 | 56.7 | 57.1 | 57.6 | 57.6  | 57.8 | 57.9  | 57.9 | 58.1 | 58.1 | 58.1 | 58.1 | 58.4  | 58.5  | 58.7  |
| ≥ 14000         | 50.0                       | 56.7 | 57.2 | 57.6 | 58.2 | 58.2  | 58.4 | 58.5  | 58.5 | 58.6 | 58.6 | 58.6 | 58.6 | 58.9  | 59.1  | 59.4  |
| ≥ 12000         | 50.1                       | 57.2 | 57.5 | 57.9 | 58.5 | 58.5  | 58.7 | 58.8  | 58.8 | 58.9 | 58.9 | 58.9 | 58.9 | 59.2  | 59.3  | 59.6  |
| ≥ 10000         | 50.8                       | 57.9 | 58.2 | 58.6 | 59.2 | 59.2  | 59.3 | 59.5  | 59.5 | 59.6 | 59.6 | 59.6 | 59.6 | 59.8  | 59.9  | 60.1  |
| ≥ 9000          | 50.8                       | 57.9 | 58.2 | 58.6 | 59.2 | 59.2  | 59.3 | 59.5  | 59.5 | 59.6 | 59.6 | 59.6 | 59.6 | 59.8  | 59.9  | 60.1  |
| ≥ 8000          | 51.0                       | 58.2 | 58.5 | 58.9 | 59.5 | 59.5  | 59.6 | 59.8  | 59.8 | 59.9 | 59.9 | 59.9 | 59.9 | 60.1  | 60.2  | 60.3  |
| ≥ 7000          | 51.6                       | 58.9 | 59.2 | 59.6 | 60.2 | 60.2  | 60.3 | 60.5  | 60.5 | 60.6 | 60.6 | 60.6 | 60.6 | 60.8  | 60.9  | 61.0  |
| ≥ 6000          | 52.3                       | 59.9 | 60.3 | 60.8 | 61.3 | 61.3  | 61.5 | 61.6  | 61.6 | 61.8 | 61.8 | 61.8 | 61.8 | 61.9  | 62.0  | 62.1  |
| ≥ 5000          | 53.3                       | 62.9 | 61.3 | 61.8 | 62.3 | 62.3  | 62.5 | 62.6  | 62.6 | 62.7 | 62.7 | 62.7 | 62.7 | 62.9  | 63.0  | 63.1  |
| ≥ 4500          | 55.0                       | 62.6 | 63.0 | 63.5 | 64.0 | 64.0  | 64.2 | 64.3  | 64.3 | 64.4 | 64.4 | 64.4 | 64.4 | 64.6  | 64.7  | 64.8  |
| ≥ 4000          | 55.9                       | 63.6 | 64.0 | 64.4 | 65.0 | 65.0  | 65.2 | 65.3  | 65.3 | 65.4 | 65.4 | 65.4 | 65.4 | 65.6  | 65.7  | 65.8  |
| ≥ 3500          | 56.5                       | 64.2 | 64.6 | 65.0 | 65.6 | 65.6  | 65.7 | 65.9  | 65.9 | 66.0 | 66.0 | 66.0 | 66.0 | 66.1  | 66.2  | 66.3  |
| ≥ 3000          | 58.1                       | 66.4 | 66.9 | 67.3 | 67.8 | 67.8  | 68.0 | 68.1  | 68.1 | 68.3 | 68.3 | 68.3 | 68.3 | 68.4  | 68.5  | 68.6  |
| ≥ 2500          | 60.3                       | 69.4 | 70.4 | 71.0 | 71.5 | 71.5  | 71.7 | 71.8  | 71.8 | 72.0 | 72.0 | 72.0 | 72.0 | 72.1  | 72.2  | 72.3  |
| ≥ 2000          | 62.9                       | 73.2 | 74.4 | 75.1 | 75.6 | 75.6  | 75.8 | 75.9  | 75.9 | 76.1 | 76.1 | 76.1 | 76.1 | 76.2  | 76.3  | 76.4  |
| ≥ 1800          | 63.6                       | 74.1 | 75.2 | 75.9 | 76.5 | 76.5  | 76.6 | 76.8  | 76.8 | 76.9 | 76.9 | 76.9 | 76.9 | 77.1  | 77.2  | 77.3  |
| ≥ 1500          | 64.6                       | 76.5 | 77.6 | 78.3 | 78.9 | 78.9  | 79.0 | 79.2  | 79.2 | 79.3 | 79.3 | 79.3 | 79.3 | 79.5  | 79.6  | 79.7  |
| ≥ 1200          | 65.0                       | 77.9 | 79.0 | 79.9 | 80.6 | 80.6  | 80.7 | 80.9  | 80.9 | 81.0 | 81.0 | 81.0 | 81.0 | 81.2  | 81.3  | 81.4  |
| ≥ 1000          | 65.3                       | 79.2 | 80.7 | 81.6 | 82.3 | 82.3  | 82.4 | 82.6  | 82.6 | 82.7 | 82.7 | 82.7 | 82.7 | 82.9  | 83.0  | 83.1  |
| ≥ 900           | 65.3                       | 79.9 | 81.7 | 82.7 | 83.4 | 83.4  | 83.6 | 83.7  | 83.7 | 83.9 | 83.9 | 83.9 | 83.9 | 84.0  | 84.1  | 84.2  |
| ≥ 800           | 65.3                       | 80.3 | 82.6 | 83.6 | 84.3 | 84.3  | 84.7 | 84.8  | 85.0 | 85.0 | 85.1 | 85.1 | 85.1 | 85.2  | 85.3  | 85.4  |
| ≥ 700           | 65.3                       | 80.9 | 83.1 | 84.3 | 85.0 | 85.0  | 85.6 | 85.7  | 85.8 | 85.8 | 86.0 | 86.0 | 86.0 | 86.1  | 86.2  | 86.3  |
| ≥ 600           | 65.3                       | 81.4 | 84.1 | 85.6 | 86.7 | 87.3  | 87.4 | 87.5  | 87.5 | 87.8 | 87.8 | 87.8 | 87.8 | 88.0  | 88.1  | 88.2  |
| ≥ 500           | 65.3                       | 82.0 | 85.0 | 87.0 | 88.5 | 89.1  | 89.2 | 89.5  | 89.5 | 89.8 | 89.8 | 89.8 | 89.8 | 90.1  | 90.2  | 90.3  |
| ≥ 400           | 65.3                       | 82.7 | 85.8 | 88.1 | 89.7 | 90.4  | 90.5 | 90.8  | 90.8 | 91.1 | 91.2 | 91.2 | 91.2 | 91.4  | 91.5  | 91.6  |
| ≥ 300           | 65.3                       | 82.7 | 85.8 | 88.1 | 89.8 | 90.5  | 90.7 | 90.9  | 90.9 | 91.2 | 91.5 | 91.8 | 92.2 | 92.6  | 93.2  | 93.8  |
| ≥ 200           | 65.3                       | 82.7 | 85.8 | 88.1 | 89.9 | 90.9  | 91.2 | 91.5  | 91.5 | 91.9 | 92.4 | 92.8 | 93.4 | 94.2  | 95.5  | 97.5  |
| ≥ 100           | 65.3                       | 82.7 | 85.8 | 88.1 | 89.9 | 90.9  | 91.4 | 91.6  | 91.6 | 92.1 | 92.5 | 92.9 | 93.9 | 94.5  | 96.5  | 99.7  |
| ≥ 0             | 65.3                       | 82.7 | 85.8 | 88.1 | 89.9 | 90.9  | 91.4 | 91.6  | 91.6 | 92.1 | 92.5 | 92.9 | 93.9 | 94.5  | 96.5  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

706

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 | ≥10                        | ≥6   | ≥5   | ≥4   | ≥3   | ≥2   | ≥2   | ≥2   | ≥2   | ≥2   | ≥2   | ≥2   | ≥2   | ≥2   | ≥2   | ≥2    |
| NO CEILING      | 52.4                       | 59.4 | 60.1 | 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  |
| ≥ 25000         | 54.7                       | 62.2 | 62.9 | 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  |
| ≥ 18000         | 54.9                       | 62.8 | 63.6 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9  |
| ≥ 15000         | 55.3                       | 63.2 | 64.1 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4  |
| ≥ 14000         | 56.0                       | 64.2 | 65.2 | 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  |
| ≥ 12000         | 56.2                       | 64.7 | 65.7 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9  |
| ≥ 10000         | 57.2                       | 65.7 | 66.7 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9  |
| ≥ 8000          | 57.2                       | 65.7 | 66.7 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9  |
| ≥ 7000          | 57.2                       | 65.7 | 66.7 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9  |
| ≥ 6000          | 57.5                       | 65.9 | 66.9 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2  |
| ≥ 5000          | 59.2                       | 67.9 | 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  |
| ≥ 4500          | 60.5                       | 69.3 | 70.3 | 70.5 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8  |
| ≥ 4000          | 61.1                       | 70.2 | 71.2 | 71.4 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6  |
| ≥ 3500          | 61.8                       | 70.9 | 71.9 | 72.1 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4  |
| ≥ 3000          | 63.6                       | 73.0 | 74.1 | 74.3 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7  |
| ≥ 2500          | 66.3                       | 76.2 | 77.5 | 77.7 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1  |
| ≥ 2000          | 69.3                       | 79.9 | 81.3 | 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  |
| ≥ 1800          | 70.5                       | 81.5 | 83.2 | 83.4 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8  |
| ≥ 1500          | 71.4                       | 83.4 | 85.2 | 85.5 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8  |
| ≥ 1200          | 71.8                       | 84.8 | 86.9 | 87.3 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8  |
| ≥ 1000          | 71.9                       | 85.5 | 87.8 | 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  |
| ≥ 900           | 72.0                       | 86.2 | 88.7 | 89.3 | 89.9 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1  |
| ≥ 800           | 72.1                       | 86.7 | 89.8 | 90.7 | 91.4 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5  |
| ≥ 700           | 72.1                       | 87.3 | 90.9 | 91.9 | 92.6 | 92.8 | 93.1 | 93.1 | 93.1 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2  |
| ≥ 600           | 72.1                       | 87.5 | 91.3 | 93.0 | 93.6 | 94.2 | 94.7 | 94.8 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9  |
| ≥ 500           | 72.2                       | 87.6 | 91.6 | 93.9 | 94.9 | 95.3 | 95.9 | 96.0 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1  |
| ≥ 400           | 72.2                       | 87.8 | 92.1 | 94.5 | 95.6 | 96.2 | 97.0 | 97.2 | 97.5 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8  |
| ≥ 300           | 72.2                       | 87.8 | 92.2 | 94.7 | 95.9 | 96.5 | 97.8 | 98.2 | 98.4 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.2  |
| ≥ 200           | 72.2                       | 87.8 | 92.2 | 94.7 | 95.9 | 96.5 | 97.8 | 98.2 | 98.4 | 98.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.8  |
| ≥ 100           | 72.2                       | 87.8 | 92.2 | 94.7 | 95.9 | 96.5 | 97.8 | 98.2 | 98.4 | 98.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 100.0 |
| ≥ 0             | 72.2                       | 87.8 | 92.2 | 94.7 | 95.9 | 96.5 | 97.8 | 98.2 | 98.4 | 98.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

825

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214 VANDENBERG AFB CA

7-70, 73-78

JAPK

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |      |      |       |      |       |        |       |        |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|------|-------|------|-------|--------|-------|--------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ .5 | ≥ .25 | ≥ .1 | ≥ .05 | ≥ .025 | ≥ .01 | ≥ .005 |
| NO CEILING      | 59.5                     | 69.6 | 69.9 | 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   |
| ≥ 25000         | 62.7                     | 72.8 | 73.2 | 73.6 | 73.7 | 73.7  | 73.7 | 73.7  | 73.7 | 73.7 | 73.7  | 73.7 | 73.7  | 73.7   | 73.7  | 73.7   |
| ≥ 20000         | 62.8                     | 73.1 | 73.5 | 73.8 | 73.9 | 73.9  | 73.9 | 73.9  | 73.9 | 73.9 | 73.9  | 73.9 | 73.9  | 73.9   | 73.9  | 73.9   |
| ≥ 15000         | 62.9                     | 73.3 | 73.7 | 74.1 | 74.2 | 74.2  | 74.2 | 74.2  | 74.2 | 74.2 | 74.2  | 74.2 | 74.2  | 74.2   | 74.2  | 74.2   |
| ≥ 14000         | 63.3                     | 73.7 | 74.1 | 74.4 | 74.5 | 74.5  | 74.5 | 74.5  | 74.5 | 74.5 | 74.5  | 74.5 | 74.5  | 74.5   | 74.5  | 74.5   |
| ≥ 12000         | 63.8                     | 74.2 | 74.5 | 74.9 | 75.0 | 75.0  | 75.0 | 75.0  | 75.0 | 75.0 | 75.0  | 75.0 | 75.0  | 75.0   | 75.0  | 75.0   |
| ≥ 10000         | 64.1                     | 74.9 | 75.3 | 75.6 | 75.8 | 75.8  | 75.8 | 75.8  | 75.8 | 75.8 | 75.8  | 75.8 | 75.8  | 75.8   | 75.8  | 75.8   |
| ≥ 9000          | 64.4                     | 75.2 | 75.5 | 75.9 | 76.0 | 76.0  | 76.0 | 76.0  | 76.0 | 76.0 | 76.0  | 76.0 | 76.0  | 76.0   | 76.0  | 76.0   |
| ≥ 8000          | 65.6                     | 76.4 | 76.7 | 77.1 | 77.2 | 77.2  | 77.2 | 77.2  | 77.2 | 77.2 | 77.2  | 77.2 | 77.2  | 77.2   | 77.2  | 77.2   |
| ≥ 7000          | 65.9                     | 76.7 | 77.1 | 77.5 | 77.6 | 77.6  | 77.6 | 77.6  | 77.6 | 77.6 | 77.6  | 77.6 | 77.6  | 77.6   | 77.6  | 77.6   |
| ≥ 6000          | 66.2                     | 77.3 | 77.7 | 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   |
| ≥ 5000          | 67.5                     | 78.7 | 79.0 | 79.4 | 79.5 | 79.5  | 79.5 | 79.5  | 79.5 | 79.5 | 79.5  | 79.5 | 79.5  | 79.5   | 79.5  | 79.5   |
| ≥ 4500          | 68.2                     | 79.4 | 79.8 | 80.1 | 80.4 | 80.5  | 80.6 | 80.6  | 80.6 | 80.6 | 80.6  | 80.6 | 80.6  | 80.6   | 80.6  | 80.6   |
| ≥ 4000          | 69.1                     | 80.4 | 80.7 | 81.1 | 81.3 | 81.5  | 81.6 | 81.6  | 81.6 | 81.6 | 81.6  | 81.6 | 81.6  | 81.6   | 81.6  | 81.6   |
| ≥ 3500          | 69.7                     | 81.0 | 81.3 | 81.7 | 81.9 | 82.1  | 82.2 | 82.2  | 82.2 | 82.2 | 82.2  | 82.2 | 82.2  | 82.2   | 82.2  | 82.2   |
| ≥ 3000          | 71.3                     | 82.5 | 82.9 | 83.3 | 83.5 | 83.6  | 83.8 | 83.8  | 83.8 | 83.8 | 83.8  | 83.8 | 83.8  | 83.8   | 83.8  | 83.8   |
| ≥ 2500          | 72.2                     | 83.6 | 84.0 | 84.4 | 84.6 | 84.7  | 84.8 | 84.8  | 84.8 | 84.8 | 84.8  | 84.8 | 84.8  | 84.8   | 84.8  | 84.8   |
| ≥ 2000          | 74.3                     | 86.2 | 86.5 | 86.9 | 87.3 | 87.4  | 87.5 | 87.5  | 87.5 | 87.5 | 87.5  | 87.5 | 87.5  | 87.5   | 87.5  | 87.5   |
| ≥ 1800          | 75.5                     | 87.8 | 88.2 | 88.6 | 89.1 | 89.2  | 89.3 | 89.3  | 89.3 | 89.3 | 89.3  | 89.3 | 89.3  | 89.3   | 89.3  | 89.3   |
| ≥ 1500          | 76.6                     | 89.6 | 90.1 | 90.5 | 91.0 | 91.2  | 91.3 | 91.4  | 91.4 | 91.4 | 91.4  | 91.4 | 91.4  | 91.4   | 91.4  | 91.4   |
| ≥ 1200          | 77.5                     | 91.0 | 91.6 | 92.1 | 92.6 | 92.7  | 92.8 | 93.0  | 93.0 | 93.0 | 93.0  | 93.0 | 93.0  | 93.0   | 93.0  | 93.0   |
| ≥ 1000          | 77.6                     | 92.4 | 93.2 | 93.9 | 94.4 | 94.5  | 94.7 | 94.8  | 94.8 | 94.8 | 94.8  | 94.8 | 94.8  | 94.8   | 94.8  | 94.8   |
| ≥ 900           | 77.7                     | 93.5 | 94.3 | 95.0 | 95.5 | 95.6  | 95.8 | 95.9  | 95.9 | 95.9 | 95.9  | 95.9 | 95.9  | 95.9   | 95.9  | 95.9   |
| ≥ 800           | 77.7                     | 93.6 | 94.4 | 95.9 | 96.4 | 96.5  | 96.6 | 96.7  | 96.7 | 96.7 | 96.7  | 96.7 | 96.7  | 96.7   | 96.7  | 96.7   |
| ≥ 700           | 77.7                     | 94.1 | 94.9 | 96.6 | 97.1 | 97.2  | 97.3 | 97.5  | 97.5 | 97.5 | 97.5  | 97.5 | 97.5  | 97.5   | 97.5  | 97.5   |
| ≥ 600           | 77.7                     | 94.1 | 95.0 | 97.1 | 97.8 | 97.9  | 98.1 | 98.3  | 98.3 | 98.3 | 98.3  | 98.3 | 98.3  | 98.3   | 98.3  | 98.3   |
| ≥ 500           | 77.7                     | 94.3 | 95.3 | 97.6 | 98.3 | 98.4  | 98.5 | 98.8  | 98.9 | 98.9 | 98.9  | 98.9 | 98.9  | 98.9   | 98.9  | 98.9   |
| ≥ 400           | 77.7                     | 94.4 | 95.5 | 97.8 | 98.5 | 98.7  | 98.8 | 99.0  | 99.3 | 99.3 | 99.3  | 99.4 | 99.4  | 99.4   | 99.4  | 99.4   |
| ≥ 300           | 77.7                     | 94.4 | 95.5 | 98.1 | 98.8 | 98.9  | 99.2 | 99.4  | 99.6 | 99.6 | 99.6  | 99.8 | 99.8  | 99.8   | 99.8  | 99.8   |
| ≥ 200           | 77.7                     | 94.4 | 95.5 | 98.1 | 98.8 | 98.9  | 99.2 | 99.4  | 99.6 | 99.6 | 99.6  | 99.8 | 99.8  | 99.8   | 99.8  | 99.8   |
| ≥ 100           | 77.7                     | 94.4 | 95.5 | 98.1 | 98.8 | 98.9  | 99.2 | 99.4  | 99.6 | 99.6 | 99.6  | 99.8 | 99.8  | 99.8   | 99.8  | 99.8   |
| ≥ 0             | 77.7                     | 94.4 | 95.5 | 98.1 | 98.8 | 98.9  | 99.2 | 99.4  | 99.6 | 99.6 | 99.6  | 99.8 | 99.8  | 99.8   | 99.8  | 100.0  |

TOTAL NUMBER OF OBSERVATIONS

825

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-78

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |      |       |      |       |      |       |       |        |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|-------|--------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ .001 |
| NO CEILING      | 58.2                     | 66.2 | 66.8 | 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   |
| ≥ 20000         | 60.8                     | 68.8 | 69.5 | 69.9 | 69.9 | 69.9  | 70.0 | 70.0  | 70.0 | 70.0  | 70.0 | 70.0  | 70.0 | 70.0  | 70.0  | 70.0   |
| ≥ 18000         | 61.3                     | 69.2 | 70.0 | 70.4 | 70.4 | 70.4  | 70.5 | 70.5  | 70.5 | 70.5  | 70.5 | 70.5  | 70.5 | 70.5  | 70.5  | 70.5   |
| ≥ 16000         | 61.4                     | 69.5 | 70.2 | 70.6 | 70.6 | 70.6  | 70.7 | 70.7  | 70.7 | 70.7  | 70.7 | 70.7  | 70.7 | 70.7  | 70.7  | 70.7   |
| ≥ 14000         | 61.9                     | 70.0 | 70.7 | 71.1 | 71.1 | 71.1  | 71.2 | 71.2  | 71.2 | 71.2  | 71.2 | 71.2  | 71.2 | 71.2  | 71.2  | 71.2   |
| ≥ 12000         | 62.0                     | 70.1 | 70.8 | 71.2 | 71.2 | 71.2  | 71.3 | 71.3  | 71.3 | 71.3  | 71.3 | 71.3  | 71.3 | 71.3  | 71.3  | 71.3   |
| ≥ 10000         | 62.5                     | 71.0 | 71.7 | 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   |
| ≥ 9000          | 62.7                     | 71.2 | 72.0 | 72.3 | 72.3 | 72.3  | 72.4 | 72.4  | 72.4 | 72.4  | 72.4 | 72.4  | 72.4 | 72.4  | 72.4  | 72.4   |
| ≥ 8000          | 63.2                     | 71.7 | 72.4 | 72.8 | 72.8 | 72.8  | 72.9 | 72.9  | 72.9 | 72.9  | 72.9 | 72.9  | 72.9 | 72.9  | 72.9  | 72.9   |
| ≥ 7000          | 64.1                     | 72.6 | 73.3 | 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   |
| ≥ 6000          | 64.2                     | 72.7 | 73.4 | 73.8 | 73.8 | 73.8  | 73.9 | 73.9  | 73.9 | 73.9  | 73.9 | 73.9  | 73.9 | 73.9  | 73.9  | 73.9   |
| ≥ 5000          | 65.1                     | 73.6 | 74.3 | 74.7 | 74.7 | 74.7  | 74.8 | 74.8  | 74.8 | 74.8  | 74.8 | 74.8  | 74.8 | 74.8  | 74.8  | 74.8   |
| ≥ 4500          | 65.9                     | 74.5 | 75.3 | 75.6 | 75.6 | 75.6  | 75.8 | 75.8  | 75.8 | 75.8  | 75.8 | 75.8  | 75.8 | 75.8  | 75.8  | 75.8   |
| ≥ 4000          | 66.2                     | 74.8 | 75.5 | 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   |
| ≥ 3500          | 66.4                     | 75.0 | 75.8 | 76.1 | 76.1 | 76.1  | 76.3 | 76.3  | 76.3 | 76.3  | 76.3 | 76.3  | 76.3 | 76.3  | 76.3  | 76.3   |
| ≥ 3000          | 68.0                     | 76.8 | 77.5 | 77.9 | 77.9 | 77.9  | 78.0 | 78.0  | 78.0 | 78.0  | 78.0 | 78.0  | 78.0 | 78.0  | 78.0  | 78.0   |
| ≥ 2500          | 70.1                     | 78.8 | 79.6 | 80.0 | 80.0 | 80.0  | 80.1 | 80.1  | 80.1 | 80.1  | 80.1 | 80.1  | 80.1 | 80.1  | 80.1  | 80.1   |
| ≥ 2000          | 71.1                     | 80.6 | 81.3 | 81.8 | 81.8 | 81.8  | 81.9 | 81.9  | 81.9 | 81.9  | 81.9 | 81.9  | 81.9 | 81.9  | 81.9  | 81.9   |
| ≥ 1800          | 71.6                     | 81.7 | 82.4 | 82.9 | 82.9 | 82.9  | 83.0 | 83.0  | 83.0 | 83.0  | 83.0 | 83.0  | 83.0 | 83.0  | 83.0  | 83.0   |
| ≥ 1500          | 73.1                     | 83.9 | 84.6 | 85.1 | 85.1 | 85.1  | 85.2 | 85.2  | 85.2 | 85.2  | 85.2 | 85.2  | 85.2 | 85.2  | 85.2  | 85.2   |
| ≥ 1200          | 74.2                     | 86.2 | 87.2 | 87.7 | 87.7 | 87.7  | 87.8 | 87.8  | 87.8 | 87.8  | 87.8 | 87.8  | 87.8 | 87.8  | 87.8  | 87.8   |
| ≥ 1000          | 74.4                     | 88.8 | 90.0 | 91.0 | 91.0 | 91.0  | 91.1 | 91.1  | 91.1 | 91.1  | 91.1 | 91.1  | 91.1 | 91.1  | 91.1  | 91.1   |
| ≥ 900           | 74.7                     | 89.5 | 90.9 | 91.9 | 91.9 | 91.9  | 92.0 | 92.0  | 92.0 | 92.0  | 92.0 | 92.0  | 92.0 | 92.0  | 92.0  | 92.0   |
| ≥ 800           | 74.8                     | 90.0 | 91.6 | 93.2 | 93.2 | 93.2  | 93.5 | 93.5  | 93.5 | 93.5  | 93.5 | 93.5  | 93.5 | 93.5  | 93.5  | 93.5   |
| ≥ 700           | 74.8                     | 91.3 | 92.9 | 94.6 | 94.6 | 94.6  | 94.8 | 94.8  | 94.8 | 94.8  | 94.8 | 94.8  | 94.8 | 94.8  | 94.8  | 94.8   |
| ≥ 600           | 74.8                     | 91.9 | 93.7 | 95.7 | 95.8 | 95.8  | 96.1 | 96.3  | 96.3 | 96.3  | 96.3 | 96.3  | 96.3 | 96.3  | 96.3  | 96.3   |
| ≥ 500           | 74.8                     | 92.3 | 94.1 | 96.9 | 97.2 | 97.2  | 97.4 | 97.8  | 97.8 | 97.8  | 97.8 | 97.8  | 97.8 | 97.8  | 97.8  | 97.8   |
| ≥ 400           | 74.8                     | 92.4 | 94.2 | 97.2 | 97.4 | 97.4  | 97.8 | 98.4  | 98.4 | 98.4  | 98.5 | 98.5  | 98.5 | 98.5  | 98.5  | 98.5   |
| ≥ 300           | 74.8                     | 92.4 | 94.3 | 97.4 | 98.0 | 98.2  | 98.5 | 99.1  | 99.1 | 99.1  | 99.5 | 99.5  | 99.5 | 99.5  | 99.5  | 99.5   |
| ≥ 200           | 74.8                     | 92.4 | 94.3 | 97.4 | 98.0 | 98.2  | 98.5 | 99.1  | 99.1 | 99.1  | 99.5 | 99.5  | 99.5 | 99.5  | 99.5  | 99.5   |
| ≥ 100           | 74.8                     | 92.4 | 94.3 | 97.4 | 98.0 | 98.2  | 98.5 | 99.1  | 99.1 | 99.1  | 99.5 | 99.5  | 99.5 | 99.5  | 99.5  | 99.5   |
| ≥ 0             | 74.8                     | 92.4 | 94.3 | 97.4 | 98.0 | 98.2  | 98.5 | 99.1  | 99.1 | 99.1  | 99.5 | 99.5  | 99.5 | 99.5  | 99.5  | 99.5   |

TOTAL NUMBER OF OBSERVATIONS

913

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-76-73-75-78

APX

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2  | ≥ 2  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1   |
| NO CEILING      | 51.3                       | 64.3 | 64.7 | 64.8 | 64.8 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.4 | 65.4 | 65.4 | 65.4  |
| ≥ 20000         | 53.3                       | 66.3 | 66.8 | 67.0 | 67.0 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.6 | 67.6 | 67.6 | 67.6  |
| 18000           | 53.7                       | 67.0 | 67.4 | 67.6 | 67.6 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 68.1 | 68.1 | 68.1 | 68.1  |
| 16000           | 54.0                       | 67.4 | 67.8 | 67.9 | 67.9 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.5 | 68.5 | 68.5 | 68.5  |
| 14000           | 54.2                       | 67.6 | 67.9 | 68.1 | 68.1 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.7 | 68.7 | 68.7 | 68.7  |
| 12000           | 54.4                       | 67.8 | 68.1 | 68.3 | 68.3 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.9 | 68.9 | 68.9 | 68.9  |
| 10000           | 55.5                       | 69.0 | 69.4 | 69.6 | 69.6 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.1 | 70.1 | 70.1 | 70.1  |
| 9000            | 55.9                       | 69.4 | 69.8 | 70.0 | 70.0 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.5 | 70.5 | 70.5 | 70.5  |
| 8000            | 56.2                       | 69.8 | 70.1 | 70.3 | 70.3 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.9 | 70.9 | 70.9 | 70.9  |
| 7000            | 56.6                       | 70.1 | 70.5 | 70.7 | 70.7 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.2 | 71.2 | 71.2 | 71.2  |
| 6000            | 56.8                       | 70.5 | 70.9 | 71.1 | 71.1 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.6 | 71.6 | 71.6 | 71.6  |
| 5000            | 57.1                       | 71.1 | 71.4 | 71.6 | 71.6 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.2 | 72.2 | 72.2 | 72.2  |
| 4500            | 57.9                       | 72.0 | 72.3 | 72.5 | 72.5 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 73.1 | 73.1 | 73.1 | 73.1  |
| 4000            | 57.9                       | 72.3 | 72.7 | 72.9 | 72.9 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.4 | 73.4 | 73.4 | 73.4  |
| 3500            | 58.2                       | 72.7 | 73.1 | 73.3 | 73.3 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.8 | 73.8 | 73.8 | 73.8  |
| 3000            | 58.8                       | 73.3 | 73.6 | 73.8 | 73.8 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.4 | 74.4 | 74.4 | 74.4  |
| 2500            | 60.1                       | 75.1 | 75.5 | 75.6 | 75.6 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.2 | 76.2 | 76.2 | 76.2  |
| 2000            | 61.0                       | 78.0 | 78.4 | 78.6 | 78.6 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 79.1 | 79.1 | 79.1 | 79.1  |
| 1800            | 61.7                       | 78.8 | 79.1 | 79.3 | 79.3 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.9 | 79.9 | 79.9 | 79.9  |
| 1500            | 62.3                       | 79.5 | 79.9 | 80.0 | 80.0 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.6 | 80.6 | 80.6 | 80.6  |
| 1200            | 62.6                       | 81.1 | 81.5 | 81.7 | 81.7 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.2 | 82.2 | 82.2 | 82.2  |
| 1000            | 63.2                       | 83.3 | 83.7 | 83.9 | 83.9 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.4 | 84.4 | 84.4 | 84.4  |
| 900             | 63.4                       | 84.2 | 84.6 | 84.8 | 84.8 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.3 | 85.3 | 85.3 | 85.3  |
| 800             | 63.6                       | 84.6 | 85.0 | 85.2 | 85.2 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.7 | 85.7 | 85.7 | 85.7  |
| 700             | 63.7                       | 85.9 | 86.4 | 86.6 | 86.6 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.2 | 87.2 | 87.2 | 87.2  |
| 600             | 63.7                       | 87.7 | 88.3 | 88.5 | 88.5 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 89.0 | 89.0 | 89.0 | 89.0  |
| 500             | 63.9                       | 89.0 | 89.9 | 90.5 | 90.5 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 91.0 | 91.0 | 91.0 | 91.0  |
| 400             | 63.9                       | 89.9 | 90.8 | 91.9 | 92.3 | 93.6 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 94.0 | 94.0 | 94.0 | 94.1  |
| 300             | 63.9                       | 89.9 | 91.0 | 92.7 | 93.6 | 95.2 | 95.4 | 95.6 | 96.0 | 96.0 | 96.0 | 96.0 | 96.2 | 96.3 | 96.5 | 97.1  |
| 200             | 63.9                       | 89.9 | 91.0 | 92.7 | 93.6 | 95.2 | 95.6 | 96.0 | 96.3 | 96.5 | 96.9 | 97.3 | 97.4 | 97.8 | 98.4 | 98.9  |
| 100             | 63.9                       | 89.9 | 91.0 | 92.7 | 93.6 | 95.2 | 95.6 | 96.0 | 96.3 | 96.5 | 96.9 | 97.3 | 97.4 | 97.8 | 98.7 | 99.3  |
| U               | 63.9                       | 89.9 | 91.0 | 92.7 | 93.6 | 95.2 | 95.6 | 96.0 | 96.3 | 96.5 | 96.9 | 97.3 | 97.4 | 97.8 | 98.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

546

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-74, 78

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300

| CEILING<br>FEET | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                 | ≥10                        | ≥6   | ≥5   | ≥4   | ≥3   | ≥2   | ≥2   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   |
| NO CEILING      | 45.6                       | 66.3 | 66.5 | 66.7 | 66.7 | 66.9 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.3 | 67.3 |
| ≥ 20000         | 45.6                       | 66.5 | 66.7 | 66.9 | 66.9 | 67.1 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.4 | 67.4 |
| ≥ 18000         | 45.6                       | 66.5 | 66.7 | 66.9 | 66.9 | 67.1 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.4 | 67.4 |
| ≥ 16000         | 46.2                       | 67.1 | 67.3 | 67.4 | 67.4 | 67.6 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 68.0 | 68.0 |
| ≥ 14000         | 46.4                       | 67.3 | 67.4 | 67.6 | 67.6 | 67.8 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.2 | 68.2 |
| ≥ 12000         | 46.4                       | 67.3 | 67.4 | 67.6 | 67.6 | 67.8 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.2 | 68.2 |
| ≥ 10000         | 47.2                       | 68.0 | 68.2 | 68.4 | 68.4 | 68.6 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 69.0 | 69.0 |
| ≥ 9000          | 47.2                       | 68.0 | 68.2 | 68.4 | 68.4 | 68.6 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 69.0 | 69.0 |
| ≥ 8000          | 48.0                       | 68.8 | 69.0 | 69.2 | 69.2 | 69.4 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.8 | 69.8 |
| ≥ 7000          | 48.5                       | 69.4 | 69.6 | 69.8 | 69.8 | 70.0 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.4 | 70.4 |
| ≥ 6000          | 48.5                       | 69.4 | 69.6 | 69.8 | 69.8 | 70.0 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.4 | 70.4 |
| ≥ 5000          | 49.3                       | 70.2 | 70.4 | 70.6 | 70.6 | 70.8 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.2 | 71.2 |
| ≥ 4500          | 49.5                       | 70.4 | 70.6 | 70.8 | 70.8 | 71.0 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.3 | 71.3 |
| ≥ 4000          | 50.1                       | 71.2 | 71.3 | 71.5 | 71.5 | 71.7 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 72.1 | 72.1 |
| ≥ 3500          | 50.1                       | 71.5 | 71.7 | 71.9 | 71.9 | 72.1 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.5 | 72.5 |
| ≥ 3000          | 50.5                       | 71.9 | 72.1 | 72.3 | 72.3 | 72.5 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.9 | 72.9 |
| ≥ 2500          | 51.9                       | 74.9 | 75.0 | 75.2 | 75.2 | 75.4 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.8 | 75.8 |
| ≥ 2000          | 52.6                       | 76.8 | 77.0 | 77.2 | 77.2 | 77.4 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.8 | 77.8 |
| ≥ 1800          | 53.4                       | 77.6 | 77.8 | 78.0 | 78.0 | 78.2 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.6 | 78.6 |
| ≥ 1500          | 54.0                       | 78.9 | 79.3 | 79.5 | 79.5 | 79.7 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 80.1 | 80.1 |
| ≥ 1200          | 54.6                       | 80.7 | 81.1 | 81.3 | 81.3 | 81.5 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.9 | 81.9 |
| ≥ 1000          | 54.8                       | 82.1 | 82.5 | 82.7 | 82.7 | 82.8 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.2 | 83.2 |
| ≥ 900           | 54.8                       | 82.7 | 83.0 | 83.2 | 83.2 | 83.4 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.8 | 83.8 |
| ≥ 800           | 54.8                       | 83.2 | 83.6 | 83.8 | 83.8 | 84.0 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.4 | 84.4 |
| ≥ 700           | 55.2                       | 83.8 | 84.2 | 84.4 | 84.4 | 84.6 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 85.0 | 85.0 |
| ≥ 600           | 55.2                       | 85.4 | 85.8 | 86.0 | 86.0 | 86.2 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.6 | 86.6 |
| ≥ 500           | 55.2                       | 86.0 | 86.4 | 86.7 | 86.7 | 86.9 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.3 | 87.3 |
| ≥ 400           | 55.2                       | 86.9 | 87.3 | 87.9 | 87.9 | 88.3 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.9 | 88.9 |
| ≥ 300           | 55.2                       | 87.3 | 88.1 | 89.9 | 90.4 | 91.6 | 92.4 | 92.8 | 92.8 | 92.8 | 93.0 | 93.0 | 93.0 | 93.0 | 93.2 | 93.8 |
| ≥ 200           | 55.2                       | 87.3 | 88.1 | 90.1 | 90.8 | 92.2 | 93.4 | 94.2 | 94.2 | 94.2 | 94.2 | 94.5 | 94.9 | 95.1 | 95.5 | 97.5 |
| ≥ 100           | 55.2                       | 87.3 | 88.1 | 90.1 | 90.8 | 92.2 | 93.4 | 94.2 | 94.2 | 94.2 | 94.2 | 94.5 | 94.9 | 95.1 | 95.5 | 97.5 |
| ≥ 0             | 55.2                       | 87.3 | 88.1 | 90.1 | 90.8 | 92.2 | 93.4 | 94.2 | 94.2 | 94.2 | 94.2 | 94.5 | 94.9 | 95.1 | 95.5 | 97.5 |

TOTAL NUMBER OF OBSERVATIONS

513

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |       |      |       |      |      |      |      |      |       |      |       |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|------|------|------|------|------|-------|------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ .5 | ≥ .4 | ≥ .3 | ≥ .2 | ≥ .15 | ≥ .1 | ≥ 0   |
| NO CEILING      | 52.0                       | 62.7 | 63.2 | 63.4 | 63.6 | 63.6  | 63.7 | 63.7  | 63.7 | 63.7 | 63.8 | 63.8 | 63.9 | 63.9  | 64.0 | 64.2  |
| ≥ 20000         | 53.8                       | 64.7 | 65.2 | 65.4 | 65.6 | 65.6  | 65.7 | 65.7  | 65.7 | 65.8 | 65.8 | 65.9 | 65.9 | 65.9  | 66.0 | 66.2  |
| ≥ 18000         | 54.2                       | 65.1 | 65.6 | 65.9 | 66.0 | 66.0  | 66.1 | 66.1  | 66.1 | 66.2 | 66.2 | 66.3 | 66.3 | 66.3  | 66.5 | 66.6  |
| ≥ 16000         | 54.4                       | 65.4 | 66.0 | 66.3 | 66.4 | 66.4  | 66.5 | 66.5  | 66.5 | 66.6 | 66.6 | 66.7 | 66.7 | 66.7  | 66.9 | 67.0  |
| ≥ 14000         | 54.8                       | 65.9 | 66.5 | 66.7 | 66.8 | 66.9  | 67.0 | 67.0  | 67.0 | 67.0 | 67.1 | 67.1 | 67.2 | 67.2  | 67.3 | 67.5  |
| ≥ 12000         | 55.0                       | 66.2 | 66.8 | 67.0 | 67.1 | 67.2  | 67.2 | 67.3  | 67.3 | 67.3 | 67.4 | 67.4 | 67.4 | 67.5  | 67.6 | 67.8  |
| ≥ 10000         | 55.7                       | 67.0 | 67.6 | 67.9 | 68.0 | 68.0  | 68.1 | 68.1  | 68.1 | 68.2 | 68.2 | 68.3 | 68.3 | 68.3  | 68.5 | 68.6  |
| ≥ 9000          | 55.8                       | 67.2 | 67.8 | 68.0 | 68.2 | 68.2  | 68.3 | 68.3  | 68.3 | 68.4 | 68.4 | 68.4 | 68.5 | 68.5  | 68.6 | 68.8  |
| ≥ 8000          | 56.2                       | 67.8 | 68.4 | 68.6 | 68.7 | 68.8  | 68.8 | 68.9  | 68.9 | 68.9 | 69.0 | 69.0 | 69.0 | 69.1  | 69.2 | 69.4  |
| ≥ 7000          | 56.7                       | 68.3 | 68.9 | 69.1 | 69.2 | 69.3  | 69.4 | 69.4  | 69.4 | 69.4 | 69.5 | 69.5 | 69.6 | 69.6  | 69.7 | 69.9  |
| ≥ 6000          | 57.1                       | 68.8 | 69.3 | 69.6 | 69.7 | 69.8  | 69.8 | 69.9  | 69.9 | 69.9 | 70.0 | 70.0 | 70.0 | 70.1  | 70.2 | 70.4  |
| ≥ 5000          | 58.1                       | 69.9 | 70.5 | 70.7 | 70.8 | 70.9  | 70.9 | 71.0  | 71.0 | 71.0 | 71.1 | 71.1 | 71.1 | 71.2  | 71.4 | 71.5  |
| ≥ 4500          | 59.0                       | 70.8 | 71.4 | 71.7 | 71.8 | 71.9  | 72.0 | 72.0  | 72.0 | 72.1 | 72.1 | 72.2 | 72.2 | 72.2  | 72.4 | 72.5  |
| ≥ 4000          | 59.6                       | 71.6 | 72.2 | 72.4 | 72.6 | 72.7  | 72.7 | 72.8  | 72.8 | 72.8 | 72.9 | 72.9 | 72.9 | 73.0  | 73.1 | 73.3  |
| ≥ 3500          | 60.1                       | 72.1 | 72.7 | 73.0 | 73.1 | 73.2  | 73.3 | 73.3  | 73.3 | 73.4 | 73.4 | 73.5 | 73.5 | 73.5  | 73.7 | 73.8  |
| ≥ 3000          | 61.5                       | 73.8 | 74.4 | 74.6 | 74.8 | 74.9  | 75.0 | 75.0  | 75.0 | 75.1 | 75.1 | 75.2 | 75.2 | 75.2  | 75.4 | 75.5  |
| ≥ 2500          | 63.3                       | 76.2 | 76.9 | 77.2 | 77.4 | 77.4  | 77.5 | 77.5  | 77.5 | 77.6 | 77.7 | 77.7 | 77.7 | 77.7  | 77.9 | 78.0  |
| ≥ 2000          | 65.1                       | 78.9 | 79.7 | 80.0 | 80.2 | 80.3  | 80.4 | 80.4  | 80.4 | 80.5 | 80.5 | 80.6 | 80.6 | 80.6  | 80.8 | 80.9  |
| ≥ 1800          | 65.8                       | 80.0 | 80.9 | 81.2 | 81.5 | 81.5  | 81.6 | 81.6  | 81.6 | 81.7 | 81.7 | 81.8 | 81.8 | 81.8  | 82.0 | 82.1  |
| ≥ 1500          | 66.8                       | 81.8 | 82.8 | 83.1 | 83.4 | 83.4  | 83.5 | 83.6  | 83.6 | 83.6 | 83.7 | 83.7 | 83.7 | 83.8  | 83.9 | 84.1  |
| ≥ 1200          | 67.4                       | 83.3 | 84.5 | 84.8 | 85.1 | 85.2  | 85.3 | 85.3  | 85.3 | 85.4 | 85.4 | 85.5 | 85.5 | 85.5  | 85.6 | 85.8  |
| ≥ 1000          | 67.6                       | 84.8 | 86.1 | 86.6 | 86.9 | 87.0  | 87.1 | 87.1  | 87.1 | 87.1 | 87.2 | 87.2 | 87.3 | 87.3  | 87.4 | 87.6  |
| ≥ 900           | 67.7                       | 85.5 | 86.9 | 87.5 | 87.8 | 87.9  | 87.9 | 88.0  | 88.0 | 88.0 | 88.1 | 88.1 | 88.1 | 88.2  | 88.3 | 88.5  |
| ≥ 800           | 67.7                       | 85.9 | 87.5 | 88.4 | 88.7 | 88.8  | 88.9 | 89.0  | 89.0 | 89.0 | 89.1 | 89.1 | 89.2 | 89.2  | 89.3 | 89.5  |
| ≥ 700           | 67.8                       | 86.6 | 88.4 | 89.4 | 89.7 | 89.9  | 90.0 | 90.0  | 90.1 | 90.1 | 90.2 | 90.2 | 90.3 | 90.3  | 90.4 | 90.6  |
| ≥ 600           | 67.8                       | 87.4 | 89.3 | 90.5 | 91.0 | 91.2  | 91.4 | 91.5  | 91.6 | 91.7 | 91.7 | 91.8 | 91.8 | 91.8  | 92.0 | 92.1  |
| ≥ 500           | 67.8                       | 87.9 | 89.9 | 91.6 | 92.2 | 92.4  | 92.6 | 92.7  | 92.8 | 92.9 | 93.0 | 93.0 | 93.1 | 93.1  | 93.3 | 93.4  |
| ≥ 400           | 67.8                       | 88.5 | 90.6 | 92.6 | 93.3 | 93.6  | 93.9 | 94.1  | 94.3 | 94.4 | 94.5 | 94.6 | 94.6 | 94.6  | 94.8 | 95.0  |
| ≥ 300           | 67.8                       | 88.6 | 90.8 | 93.1 | 94.0 | 94.6  | 95.0 | 95.3  | 95.5 | 95.7 | 96.0 | 96.0 | 96.1 | 96.2  | 96.4 | 96.7  |
| ≥ 200           | 67.8                       | 88.6 | 90.8 | 93.2 | 94.1 | 94.8  | 95.3 | 95.7  | 95.8 | 96.2 | 96.5 | 96.7 | 96.9 | 97.0  | 97.7 | 98.7  |
| ≥ 100           | 67.8                       | 88.6 | 90.8 | 93.2 | 94.1 | 94.8  | 95.3 | 95.7  | 95.9 | 96.3 | 96.6 | 96.7 | 96.9 | 97.1  | 98.2 | 99.8  |
| ≥ 0             | 67.8                       | 88.6 | 90.8 | 93.2 | 94.1 | 94.8  | 95.3 | 95.7  | 95.9 | 96.3 | 96.6 | 96.7 | 96.9 | 97.1  | 98.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

5128

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-74

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |       |       |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
|                 | ≥10                      | ≥6   | ≥5   | ≥4   | ≥3   | ≥2.5 | ≥2   | ≥1.5 | ≥1   | ≥0.5 | ≥0.3 | ≥0.2 | ≥0.1 | ≥0.05 | ≥0.03 | ≥0.01 |
| NO CEILING      | 29.0                     | 38.6 | 38.8 | 39.3 | 39.5 | 39.7 | 39.9 | 39.9 | 40.1 | 40.1 | 40.3 | 40.3 | 40.3 | 40.3  | 42.1  | 42.7  |
| ≥ 20000         | 29.0                     | 38.6 | 38.8 | 39.3 | 39.5 | 39.7 | 39.9 | 39.9 | 40.1 | 40.1 | 40.3 | 40.3 | 40.3 | 40.3  | 42.1  | 42.7  |
| ≥ 18000         | 29.0                     | 38.6 | 38.8 | 39.3 | 39.5 | 39.7 | 39.9 | 39.9 | 40.1 | 40.1 | 40.3 | 40.3 | 40.3 | 40.3  | 42.1  | 42.7  |
| ≥ 16000         | 29.0                     | 38.6 | 38.8 | 39.3 | 39.5 | 39.7 | 39.9 | 39.9 | 40.1 | 40.1 | 40.3 | 40.3 | 40.3 | 40.3  | 42.1  | 42.7  |
| ≥ 14000         | 29.0                     | 38.6 | 38.8 | 39.3 | 39.5 | 39.7 | 39.9 | 39.9 | 40.1 | 40.1 | 40.3 | 40.3 | 40.3 | 40.3  | 42.1  | 42.7  |
| ≥ 12000         | 29.0                     | 38.6 | 38.8 | 39.3 | 39.5 | 39.7 | 40.1 | 40.1 | 40.3 | 40.3 | 40.6 | 40.6 | 40.6 | 40.6  | 42.3  | 42.9  |
| ≥ 10000         | 29.0                     | 38.6 | 38.8 | 39.3 | 39.5 | 39.7 | 40.1 | 40.1 | 40.3 | 40.3 | 40.6 | 40.6 | 40.6 | 40.6  | 42.3  | 42.9  |
| ≥ 9000          | 29.2                     | 39.1 | 39.3 | 39.7 | 39.9 | 40.1 | 40.6 | 40.6 | 40.8 | 40.8 | 41.0 | 41.0 | 41.0 | 41.0  | 42.7  | 43.3  |
| ≥ 8000          | 29.2                     | 39.1 | 39.3 | 39.7 | 39.9 | 40.1 | 40.6 | 40.6 | 40.8 | 40.8 | 41.0 | 41.0 | 41.0 | 41.0  | 42.7  | 43.3  |
| ≥ 7000          | 29.2                     | 39.1 | 39.3 | 39.7 | 39.9 | 40.1 | 40.6 | 40.6 | 40.8 | 40.8 | 41.0 | 41.0 | 41.0 | 41.0  | 42.7  | 43.3  |
| ≥ 6000          | 29.2                     | 39.1 | 39.3 | 39.7 | 39.9 | 40.1 | 40.6 | 40.6 | 40.8 | 40.8 | 41.0 | 41.0 | 41.0 | 41.0  | 42.7  | 43.3  |
| ≥ 5000          | 29.2                     | 39.1 | 39.3 | 39.7 | 39.9 | 40.1 | 40.6 | 40.6 | 40.8 | 40.8 | 41.0 | 41.0 | 41.0 | 41.0  | 42.7  | 43.3  |
| ≥ 4500          | 29.2                     | 39.1 | 39.3 | 39.7 | 39.9 | 40.1 | 40.6 | 40.6 | 40.8 | 40.8 | 41.0 | 41.0 | 41.0 | 41.0  | 42.7  | 43.3  |
| ≥ 4000          | 29.2                     | 39.1 | 39.3 | 39.7 | 39.9 | 40.1 | 40.6 | 40.6 | 40.8 | 40.8 | 41.0 | 41.0 | 41.0 | 41.0  | 42.7  | 43.3  |
| ≥ 3500          | 29.8                     | 39.9 | 40.1 | 40.6 | 40.8 | 41.0 | 41.4 | 41.4 | 41.6 | 41.6 | 41.8 | 41.8 | 41.8 | 41.8  | 43.6  | 44.2  |
| ≥ 3000          | 29.8                     | 40.6 | 40.8 | 41.2 | 41.4 | 41.6 | 42.1 | 42.1 | 42.3 | 42.3 | 42.5 | 42.5 | 42.5 | 42.5  | 44.2  | 44.8  |
| ≥ 2500          | 30.3                     | 41.4 | 41.6 | 42.1 | 42.3 | 42.5 | 42.9 | 42.9 | 43.1 | 43.1 | 43.3 | 43.3 | 43.3 | 43.3  | 45.1  | 45.7  |
| ≥ 2000          | 31.1                     | 42.5 | 42.7 | 43.1 | 43.3 | 43.6 | 44.0 | 44.0 | 44.2 | 44.2 | 44.4 | 44.4 | 44.4 | 44.4  | 46.1  | 46.8  |
| ≥ 1800          | 31.3                     | 43.1 | 43.3 | 43.8 | 44.0 | 44.2 | 44.6 | 44.6 | 44.8 | 44.8 | 45.1 | 45.1 | 45.1 | 45.1  | 46.8  | 47.4  |
| ≥ 1500          | 33.0                     | 45.9 | 46.8 | 47.2 | 47.4 | 47.6 | 48.1 | 48.1 | 48.3 | 48.3 | 48.5 | 48.5 | 48.5 | 48.5  | 50.2  | 50.9  |
| ≥ 1200          | 35.6                     | 50.6 | 51.5 | 51.9 | 52.1 | 52.4 | 52.8 | 52.8 | 53.0 | 53.0 | 53.2 | 53.2 | 53.2 | 53.2  | 54.9  | 55.6  |
| ≥ 1000          | 36.1                     | 54.3 | 55.2 | 55.6 | 55.8 | 56.0 | 56.4 | 56.4 | 56.7 | 56.7 | 56.9 | 56.9 | 56.9 | 56.9  | 58.6  | 59.2  |
| ≥ 900           | 36.7                     | 55.8 | 56.7 | 57.1 | 57.3 | 57.5 | 57.9 | 57.9 | 58.2 | 58.2 | 58.4 | 58.4 | 58.4 | 58.4  | 60.1  | 60.7  |
| ≥ 800           | 37.1                     | 57.7 | 58.6 | 59.0 | 59.2 | 59.4 | 59.9 | 59.9 | 60.1 | 60.1 | 60.3 | 60.3 | 60.3 | 60.3  | 62.0  | 62.7  |
| ≥ 700           | 37.1                     | 59.2 | 60.1 | 60.5 | 60.7 | 60.9 | 61.4 | 61.4 | 61.6 | 61.6 | 61.8 | 61.8 | 61.8 | 61.8  | 63.5  | 64.2  |
| ≥ 600           | 37.8                     | 62.7 | 63.1 | 63.5 | 63.7 | 63.9 | 64.4 | 64.4 | 64.6 | 64.6 | 64.8 | 64.8 | 64.8 | 64.8  | 66.5  | 67.2  |
| ≥ 500           | 37.8                     | 64.8 | 66.1 | 66.7 | 67.0 | 67.2 | 67.6 | 67.6 | 67.8 | 67.8 | 68.0 | 68.0 | 68.0 | 68.0  | 69.7  | 70.4  |
| ≥ 400           | 37.8                     | 67.0 | 68.2 | 70.0 | 70.4 | 70.6 | 71.5 | 71.5 | 71.7 | 71.7 | 71.9 | 72.3 | 72.3 | 72.3  | 74.0  | 74.7  |
| ≥ 300           | 37.8                     | 68.7 | 70.0 | 72.1 | 73.2 | 74.2 | 75.5 | 75.5 | 75.8 | 76.0 | 76.6 | 77.0 | 77.5 | 78.3  | 80.3  | 80.9  |
| ≥ 200           | 37.8                     | 68.7 | 70.0 | 72.3 | 73.6 | 74.7 | 76.2 | 76.2 | 77.3 | 77.9 | 79.4 | 79.8 | 81.1 | 82.2  | 85.2  | 88.6  |
| ≥ 100           | 37.8                     | 68.7 | 70.0 | 72.3 | 73.6 | 74.7 | 76.2 | 76.4 | 77.5 | 78.1 | 79.8 | 80.7 | 82.2 | 83.3  | 87.6  | 99.8  |
| ≥ 0             | 37.8                     | 68.7 | 70.0 | 72.3 | 73.6 | 74.7 | 76.2 | 76.4 | 77.5 | 78.1 | 79.8 | 80.7 | 82.2 | 83.3  | 87.6  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

466

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-74

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |       |      |       |      |      |      |       |       |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|-------|------|-------|------|------|------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1.4 | ≥ 1  | ≥ .75 | ≥ .5 | ≥ .4 | ≥ .3 | ≥ .25 | ≥ .2  |
| NO CEILING      | 25.3                     | 30.9 | 31.3 | 32.2 | 32.2 | 32.4  | 32.4 | 32.6  | 33.0  | 33.0 | 33.0  | 33.0 | 33.0 | 33.0 | 34.3  | 35.6  |
| ≥ 20000         | 25.3                     | 31.3 | 31.8 | 32.6 | 32.6 | 32.8  | 32.8 | 33.0  | 33.5  | 33.5 | 33.5  | 33.5 | 33.5 | 33.5 | 34.8  | 36.1  |
| ≥ 18000         | 25.3                     | 31.3 | 31.8 | 32.6 | 32.6 | 32.8  | 32.8 | 33.0  | 33.5  | 33.5 | 33.5  | 33.5 | 33.5 | 33.5 | 34.8  | 36.1  |
| ≥ 16000         | 25.3                     | 31.3 | 31.8 | 32.6 | 32.6 | 32.8  | 32.8 | 33.0  | 33.5  | 33.5 | 33.5  | 33.5 | 33.5 | 33.5 | 34.8  | 36.1  |
| ≥ 14000         | 25.5                     | 31.5 | 32.0 | 32.8 | 32.8 | 33.0  | 33.0 | 33.3  | 33.7  | 33.7 | 33.7  | 33.7 | 33.7 | 33.7 | 35.0  | 36.3  |
| ≥ 12000         | 25.5                     | 31.5 | 32.0 | 32.8 | 32.8 | 33.0  | 33.0 | 33.3  | 33.7  | 33.7 | 33.7  | 33.7 | 33.7 | 33.7 | 35.0  | 36.3  |
| ≥ 10000         | 25.5                     | 31.5 | 32.0 | 32.8 | 32.8 | 33.0  | 33.0 | 33.3  | 33.7  | 33.7 | 33.7  | 33.7 | 33.7 | 33.7 | 35.0  | 36.3  |
| ≥ 9000          | 26.0                     | 32.2 | 32.6 | 33.5 | 33.5 | 33.7  | 33.7 | 33.9  | 34.3  | 34.3 | 34.3  | 34.3 | 34.3 | 34.3 | 35.6  | 36.9  |
| ≥ 8000          | 26.0                     | 32.4 | 32.8 | 33.7 | 33.7 | 33.9  | 33.9 | 34.1  | 34.5  | 34.5 | 34.5  | 34.5 | 34.5 | 34.5 | 35.8  | 37.1  |
| ≥ 7000          | 26.0                     | 32.4 | 32.8 | 33.7 | 33.7 | 33.9  | 33.9 | 34.1  | 34.5  | 34.5 | 34.5  | 34.5 | 34.5 | 34.5 | 35.8  | 37.1  |
| ≥ 6000          | 26.0                     | 32.4 | 32.8 | 33.7 | 33.7 | 33.9  | 33.9 | 34.1  | 34.5  | 34.5 | 34.5  | 34.5 | 34.5 | 34.5 | 35.8  | 37.1  |
| ≥ 5000          | 26.0                     | 32.4 | 32.8 | 33.7 | 33.7 | 33.9  | 33.9 | 34.1  | 34.5  | 34.5 | 34.5  | 34.5 | 34.5 | 34.5 | 35.8  | 37.1  |
| ≥ 4500          | 26.0                     | 32.4 | 32.8 | 33.7 | 33.7 | 33.9  | 33.9 | 34.1  | 34.5  | 34.5 | 34.5  | 34.5 | 34.5 | 34.5 | 35.8  | 37.1  |
| ≥ 4000          | 26.2                     | 32.8 | 33.3 | 34.1 | 34.1 | 34.3  | 34.3 | 34.5  | 35.0  | 35.0 | 35.0  | 35.0 | 35.0 | 35.0 | 36.3  | 37.6  |
| ≥ 3500          | 26.8                     | 33.9 | 34.3 | 35.2 | 35.2 | 35.4  | 35.4 | 35.6  | 36.1  | 36.1 | 36.1  | 36.1 | 36.1 | 36.1 | 37.3  | 38.6  |
| ≥ 3000          | 27.0                     | 34.8 | 35.2 | 36.1 | 36.1 | 36.3  | 36.3 | 36.5  | 36.9  | 36.9 | 36.9  | 36.9 | 36.9 | 36.9 | 38.2  | 39.5  |
| ≥ 2500          | 27.0                     | 35.2 | 35.6 | 36.5 | 36.5 | 36.7  | 36.7 | 36.9  | 37.3  | 37.3 | 37.3  | 37.3 | 37.3 | 37.3 | 38.6  | 39.9  |
| ≥ 2000          | 28.3                     | 37.1 | 37.6 | 38.4 | 38.4 | 38.6  | 38.6 | 38.8  | 39.3  | 39.3 | 39.3  | 39.3 | 39.3 | 39.3 | 40.6  | 41.9  |
| ≥ 1800          | 28.8                     | 37.8 | 38.2 | 39.1 | 39.1 | 39.3  | 39.3 | 39.5  | 39.9  | 39.9 | 39.9  | 39.9 | 39.9 | 39.9 | 41.2  | 42.5  |
| ≥ 1500          | 30.0                     | 41.0 | 41.4 | 42.3 | 42.3 | 42.5  | 42.5 | 42.7  | 43.3  | 43.3 | 43.3  | 43.3 | 43.3 | 43.3 | 44.6  | 45.9  |
| ≥ 1200          | 32.2                     | 44.6 | 45.3 | 46.1 | 46.1 | 46.4  | 46.4 | 46.8  | 47.2  | 47.2 | 47.2  | 47.2 | 47.2 | 47.2 | 48.5  | 49.8  |
| ≥ 1000          | 33.0                     | 48.3 | 48.9 | 49.8 | 49.8 | 50.0  | 50.2 | 50.4  | 50.9  | 50.9 | 50.9  | 50.9 | 50.9 | 50.9 | 52.1  | 53.4  |
| ≥ 900           | 33.7                     | 50.2 | 51.1 | 51.9 | 51.9 | 52.1  | 52.4 | 52.6  | 53.0  | 53.0 | 53.0  | 53.0 | 53.0 | 53.0 | 54.3  | 55.6  |
| ≥ 800           | 34.1                     | 53.4 | 54.3 | 55.2 | 55.2 | 55.4  | 55.8 | 56.0  | 56.4  | 56.4 | 56.4  | 56.4 | 56.4 | 56.4 | 57.7  | 59.0  |
| ≥ 700           | 34.3                     | 55.2 | 56.2 | 57.1 | 57.3 | 57.5  | 57.9 | 58.2  | 58.6  | 58.6 | 58.6  | 58.6 | 58.6 | 58.6 | 59.9  | 61.2  |
| ≥ 600           | 35.0                     | 57.5 | 58.6 | 59.4 | 59.7 | 59.9  | 60.3 | 60.5  | 60.9  | 60.9 | 60.9  | 60.9 | 60.9 | 60.9 | 62.2  | 63.5  |
| ≥ 500           | 35.0                     | 60.1 | 61.2 | 62.2 | 62.7 | 62.9  | 63.3 | 63.5  | 63.9  | 63.9 | 63.9  | 63.9 | 63.9 | 63.9 | 65.2  | 66.5  |
| ≥ 400           | 35.0                     | 60.9 | 62.0 | 63.5 | 65.0 | 65.2  | 65.9 | 66.1  | 66.5  | 66.5 | 66.5  | 66.5 | 66.5 | 66.5 | 67.8  | 69.1  |
| ≥ 300           | 35.0                     | 62.7 | 63.9 | 65.5 | 68.0 | 69.1  | 70.0 | 70.8  | 71.5  | 71.9 | 72.7  | 73.0 | 73.8 | 74.0 | 76.2  | 77.5  |
| ≥ 200           | 35.0                     | 62.9 | 64.2 | 65.9 | 69.1 | 70.8  | 71.7 | 73.2  | 74.0  | 75.3 | 76.6  | 77.5 | 78.5 | 79.2 | 84.3  | 88.2  |
| ≥ 100           | 35.0                     | 62.9 | 64.2 | 65.9 | 69.1 | 70.8  | 71.7 | 73.2  | 74.0  | 75.3 | 76.6  | 77.7 | 79.0 | 80.3 | 86.5  | 99.6  |
| ≥ 0             | 35.0                     | 62.9 | 64.2 | 65.9 | 69.1 | 70.8  | 71.7 | 73.2  | 74.0  | 75.3 | 76.6  | 77.7 | 79.0 | 80.3 | 86.5  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

466

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 | ≥10                      | ≥6   | ≥5   | ≥4   | ≥3   | ≥2   | ≥2   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1    |
| NO CEILING      | 26.7                     | 32.9 | 33.9 | 34.7 | 35.2 | 35.3 | 35.6 | 35.6 | 35.7 | 35.7 | 35.9 | 35.9 | 36.1 | 36.1 | 36.4 | 36.5  |
| ≥ 20000         | 27.4                     | 33.8 | 34.8 | 35.6 | 36.1 | 36.2 | 36.5 | 36.5 | 36.6 | 36.6 | 36.8 | 36.8 | 37.0 | 37.1 | 37.4 | 37.2  |
| ≥ 18000         | 27.6                     | 34.1 | 35.1 | 35.9 | 36.4 | 36.5 | 36.8 | 36.8 | 36.9 | 36.9 | 37.0 | 37.0 | 37.3 | 37.4 | 37.7 | 37.8  |
| ≥ 16000         | 27.6                     | 34.1 | 35.1 | 35.9 | 36.4 | 36.5 | 36.8 | 36.8 | 36.9 | 36.9 | 37.0 | 37.0 | 37.3 | 37.4 | 37.7 | 37.8  |
| ≥ 14000         | 27.9                     | 34.4 | 35.5 | 36.2 | 36.6 | 36.9 | 37.1 | 37.1 | 37.3 | 37.3 | 37.4 | 37.4 | 37.7 | 37.8 | 38.0 | 38.2  |
| ≥ 12000         | 28.0                     | 34.6 | 35.6 | 36.4 | 36.9 | 37.0 | 37.3 | 37.3 | 37.4 | 37.4 | 37.5 | 37.5 | 37.8 | 37.9 | 38.2 | 38.3  |
| ≥ 10000         | 28.0                     | 34.6 | 35.6 | 36.4 | 36.9 | 37.0 | 37.3 | 37.3 | 37.4 | 37.4 | 37.5 | 37.5 | 37.8 | 37.9 | 38.2 | 38.3  |
| ≥ 8000          | 28.1                     | 34.7 | 35.7 | 36.5 | 37.0 | 37.1 | 37.4 | 37.4 | 37.5 | 37.5 | 37.7 | 37.7 | 37.9 | 38.0 | 38.3 | 38.4  |
| ≥ 6000          | 28.1                     | 34.7 | 35.7 | 36.5 | 37.0 | 37.1 | 37.4 | 37.4 | 37.5 | 37.5 | 37.7 | 37.7 | 37.9 | 38.0 | 38.3 | 38.4  |
| ≥ 4000          | 28.4                     | 35.2 | 36.2 | 37.0 | 37.5 | 37.7 | 37.9 | 37.9 | 38.0 | 38.0 | 38.2 | 38.2 | 38.4 | 38.6 | 38.8 | 38.9  |
| ≥ 3000          | 28.4                     | 35.5 | 36.5 | 37.3 | 37.8 | 37.9 | 38.2 | 38.2 | 38.3 | 38.3 | 38.4 | 38.4 | 38.7 | 38.8 | 39.1 | 39.2  |
| ≥ 2500          | 28.8                     | 35.9 | 36.9 | 37.7 | 38.2 | 38.3 | 38.6 | 38.6 | 38.7 | 38.7 | 38.8 | 38.8 | 39.1 | 39.2 | 39.2 | 39.5  |
| ≥ 2000          | 29.0                     | 36.1 | 37.1 | 37.9 | 38.4 | 38.6 | 38.8 | 38.8 | 38.9 | 38.9 | 39.1 | 39.1 | 39.3 | 39.5 | 39.7 | 39.8  |
| ≥ 1500          | 29.3                     | 36.4 | 37.4 | 38.2 | 38.7 | 38.8 | 39.1 | 39.1 | 39.2 | 39.2 | 39.3 | 39.3 | 39.6 | 39.7 | 40.0 | 40.1  |
| ≥ 1000          | 29.6                     | 37.0 | 38.0 | 38.8 | 39.3 | 39.5 | 39.7 | 39.7 | 39.8 | 39.8 | 40.0 | 40.0 | 40.2 | 40.4 | 40.6 | 40.7  |
| ≥ 800           | 31.1                     | 38.8 | 39.8 | 40.6 | 41.1 | 41.3 | 41.5 | 41.5 | 41.6 | 41.6 | 41.8 | 41.8 | 42.0 | 42.2 | 42.4 | 42.5  |
| ≥ 600           | 32.0                     | 40.0 | 41.0 | 41.9 | 42.4 | 42.5 | 42.8 | 42.8 | 42.9 | 42.9 | 43.1 | 43.1 | 43.3 | 43.4 | 43.7 | 43.8  |
| ≥ 500           | 33.3                     | 41.9 | 43.2 | 44.1 | 44.9 | 45.0 | 45.4 | 45.4 | 45.5 | 45.5 | 45.6 | 45.6 | 45.9 | 46.0 | 46.3 | 46.4  |
| ≥ 400           | 35.1                     | 46.7 | 47.9 | 48.8 | 49.6 | 49.7 | 50.1 | 50.1 | 50.3 | 50.3 | 50.4 | 50.4 | 50.6 | 50.8 | 51.0 | 51.2  |
| ≥ 300           | 35.6                     | 49.7 | 51.4 | 52.4 | 53.2 | 53.3 | 53.9 | 53.9 | 54.0 | 54.0 | 54.1 | 54.1 | 54.4 | 54.5 | 54.8 | 54.9  |
| ≥ 200           | 35.7                     | 51.9 | 53.7 | 55.1 | 56.0 | 56.2 | 56.7 | 56.7 | 56.8 | 56.8 | 56.9 | 56.9 | 57.2 | 57.3 | 57.6 | 57.7  |
| ≥ 150           | 36.2                     | 54.1 | 56.8 | 58.6 | 59.8 | 59.9 | 60.4 | 60.4 | 60.5 | 60.5 | 60.7 | 60.7 | 60.9 | 61.1 | 61.3 | 61.4  |
| ≥ 100           | 36.6                     | 56.4 | 58.9 | 61.3 | 62.7 | 62.9 | 63.6 | 63.6 | 63.8 | 63.8 | 63.9 | 63.9 | 64.1 | 64.3 | 64.5 | 64.7  |
| ≥ 80            | 36.9                     | 56.9 | 60.8 | 64.0 | 65.7 | 65.8 | 66.8 | 67.0 | 67.1 | 67.1 | 67.2 | 67.2 | 67.5 | 67.6 | 67.9 | 68.0  |
| ≥ 60            | 37.0                     | 57.8 | 61.8 | 65.9 | 68.1 | 68.6 | 70.1 | 70.3 | 70.4 | 70.4 | 70.7 | 70.7 | 71.0 | 71.1 | 71.3 | 71.7  |
| ≥ 40            | 37.0                     | 58.0 | 62.2 | 67.0 | 70.7 | 71.7 | 74.2 | 75.2 | 75.4 | 75.4 | 75.7 | 75.7 | 76.0 | 76.1 | 76.5 | 77.2  |
| ≥ 30            | 37.0                     | 58.1 | 62.5 | 67.9 | 72.4 | 74.2 | 77.2 | 79.3 | 79.8 | 80.3 | 81.2 | 81.6 | 82.5 | 82.9 | 83.7 | 85.2  |
| ≥ 20            | 37.0                     | 58.1 | 62.5 | 67.9 | 72.6 | 74.4 | 77.8 | 80.3 | 80.8 | 81.6 | 83.0 | 83.7 | 85.2 | 86.4 | 89.3 | 95.5  |
| ≥ 10            | 37.0                     | 58.1 | 62.5 | 67.9 | 72.6 | 74.4 | 77.8 | 80.3 | 80.8 | 81.6 | 83.2 | 83.8 | 85.5 | 87.0 | 90.5 | 100.0 |
| ≥ 0             | 37.0                     | 58.1 | 62.5 | 67.9 | 72.6 | 74.4 | 77.8 | 80.3 | 80.8 | 81.6 | 83.2 | 83.8 | 85.5 | 87.0 | 90.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

778

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/TAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

DAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100

| CEILING<br>FEET | VISIBILITY, STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |       |       |
|-----------------|---------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|
|                 | 210                       | 20   | 25   | 24   | 23   | 22   | 22   | 21   | 21   | 20   | 20   | 19   | 19   | 18   | 18    | 17    |
| NO CEILING      | 42.3                      | 37.9 | 53.2 | 53.4 | 53.4 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2  | 54.2  |
| 2 20000         | 43.0                      | 53.6 | 54.0 | 54.4 | 54.4 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0  | 55.0  |
| 2 8000          | 43.0                      | 54.2 | 54.0 | 55.2 | 55.4 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6  | 55.6  |
| 2 5000          | 43.7                      | 54.3 | 54.8 | 55.4 | 55.5 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7  | 55.7  |
| 2 4000          | 43.9                      | 54.8 | 55.2 | 55.4 | 56.0 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2  | 56.2  |
| 2 3000          | 44.2                      | 55.0 | 55.5 | 56.1 | 56.2 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4  | 56.4  |
| 2 2000          | 44.3                      | 55.1 | 55.6 | 56.2 | 56.3 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5  | 56.5  |
| 2 1000          | 44.3                      | 55.1 | 55.6 | 56.2 | 56.3 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5  | 56.5  |
| 2 8000          | 44.3                      | 55.1 | 55.6 | 56.2 | 56.3 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5  | 56.5  |
| 2 5000          | 44.4                      | 55.2 | 55.7 | 56.3 | 56.4 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7  | 56.7  |
| 2 4000          | 44.8                      | 55.5 | 56.1 | 56.7 | 56.8 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0  | 57.0  |
| 2 3000          | 45.1                      | 56.0 | 56.4 | 57.1 | 57.1 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4  | 57.4  |
| 2 2000          | 45.6                      | 56.4 | 56.9 | 57.5 | 57.6 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9  | 57.9  |
| 2 1000          | 46.1                      | 56.9 | 57.4 | 58.0 | 58.1 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3  | 58.3  |
| 2 8000          | 46.1                      | 56.9 | 57.4 | 58.0 | 58.1 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3  | 58.3  |
| 2 5000          | 46.4                      | 57.3 | 57.7 | 58.4 | 58.5 | 58.7 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8  | 58.8  |
| 2 4000          | 47.6                      | 58.9 | 59.4 | 60.1 | 60.2 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5  | 60.5  |
| 2 3000          | 48.9                      | 60.4 | 60.8 | 61.8 | 61.9 | 62.1 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3  | 62.3  |
| 2 2000          | 50.8                      | 63.7 | 64.5 | 65.5 | 65.7 | 66.2 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1  | 66.1  |
| 2 1000          | 53.1                      | 69.0 | 69.9 | 70.8 | 71.2 | 71.4 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5  | 71.5  |
| 2 8000          | 54.0                      | 72.4 | 73.2 | 74.4 | 75.0 | 75.2 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4  | 75.4  |
| 2 5000          | 54.3                      | 74.0 | 75.6 | 76.9 | 77.6 | 77.9 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0  | 78.0  |
| 2 4000          | 54.4                      | 75.6 | 77.4 | 78.9 | 79.6 | 80.0 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1  | 80.1  |
| 2 3000          | 54.5                      | 77.3 | 79.5 | 81.9 | 82.9 | 83.1 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2  | 83.2  |
| 2 2000          | 54.6                      | 78.3 | 81.3 | 84.4 | 85.6 | 85.8 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2  | 86.2  |
| 2 1000          | 54.6                      | 79.8 | 82.4 | 86.7 | 88.5 | 88.7 | 89.2 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4  | 89.4  |
| 2 8000          | 54.6                      | 79.2 | 83.1 | 88.6 | 91.5 | 92.0 | 92.9 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6  | 93.6  |
| 2 5000          | 54.6                      | 79.2 | 83.3 | 89.2 | 92.6 | 93.7 | 94.1 | 96.8 | 97.0 | 97.3 | 97.6 | 97.7 | 98.0 | 98.0 | 98.0  | 98.0  |
| 2 4000          | 54.6                      | 79.2 | 83.3 | 89.2 | 92.6 | 93.7 | 94.1 | 97.0 | 97.3 | 97.7 | 98.2 | 98.3 | 98.7 | 99.0 | 99.0  | 99.0  |
| 2 3000          | 54.6                      | 79.2 | 83.3 | 89.2 | 92.6 | 93.7 | 94.1 | 97.0 | 97.3 | 97.7 | 98.2 | 98.3 | 98.7 | 99.2 | 100.0 | 100.0 |
| 2 2000          | 54.6                      | 79.2 | 83.3 | 89.2 | 92.6 | 93.7 | 94.1 | 97.0 | 97.3 | 97.7 | 98.2 | 98.3 | 98.7 | 99.2 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

840

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

| CEILING<br>FEET  | VISIBILITY, STATUTE MILES |      |      |      |      |      |      |      |      |       |       |       |       |       |       |       |
|------------------|---------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
|                  | ≥10                       | ≥6   | ≥5   | ≥4   | ≥3   | ≥2.5 | ≥2   | ≥1.5 | ≥1   | ≥0.75 | ≥0.5  | ≥0.25 | ≥0.15 | ≥0.1  | ≥0.05 | ≥0.01 |
| NO. CEILING      | 50.0                      | 63.5 | 64.2 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3  | 64.3  | 64.3  | 64.3  | 64.3  | 64.3  | 64.3  |
| 2-2000           | 51.9                      | 65.7 | 66.4 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5  | 66.5  | 66.5  | 66.5  | 66.5  | 66.5  | 66.5  |
| 2-1000           | 52.6                      | 66.4 | 67.1 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3  | 67.3  | 67.3  | 67.3  | 67.3  | 67.3  | 67.3  |
| 2-500            | 52.6                      | 66.4 | 67.1 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3  | 67.3  | 67.3  | 67.3  | 67.3  | 67.3  | 67.3  |
| 2-400            | 53.1                      | 67.0 | 67.7 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9  | 67.9  | 67.9  | 67.9  | 67.9  | 67.9  | 67.9  |
| 2-200            | 53.5                      | 67.4 | 68.1 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2  | 68.2  | 68.2  | 68.2  | 68.2  | 68.2  | 68.2  |
| 2-100            | 53.6                      | 67.5 | 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  |
| 2-50             | 53.7                      | 67.6 | 68.3 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5  | 68.5  | 68.5  | 68.5  | 68.5  | 68.5  | 68.5  |
| 2-30             | 53.7                      | 67.6 | 68.3 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5  | 68.5  | 68.5  | 68.5  | 68.5  | 68.5  | 68.5  |
| 2-15             | 54.0                      | 68.0 | 68.7 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8  | 68.8  | 68.8  | 68.8  | 68.8  | 68.8  | 68.8  |
| 2-10             | 54.0                      | 68.0 | 68.7 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8  | 68.8  | 68.8  | 68.8  | 68.8  | 68.8  | 68.8  |
| 2-5              | 54.0                      | 68.0 | 68.7 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8  | 68.8  | 68.8  | 68.8  | 68.8  | 68.8  | 68.8  |
| 2-3              | 54.2                      | 68.1 | 68.8 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9  | 68.9  | 68.9  | 68.9  | 68.9  | 68.9  | 68.9  |
| 2-2              | 54.2                      | 68.1 | 68.8 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9  | 68.9  | 68.9  | 68.9  | 68.9  | 68.9  | 68.9  |
| 2-1.5            | 54.2                      | 68.1 | 68.8 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9  | 68.9  | 68.9  | 68.9  | 68.9  | 68.9  | 68.9  |
| 2-1              | 54.2                      | 68.1 | 68.8 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9  | 68.9  | 68.9  | 68.9  | 68.9  | 68.9  | 68.9  |
| 2-0.75           | 54.2                      | 68.1 | 68.8 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9  | 68.9  | 68.9  | 68.9  | 68.9  | 68.9  | 68.9  |
| 2-0.5            | 54.2                      | 68.1 | 68.8 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9  | 68.9  | 68.9  | 68.9  | 68.9  | 68.9  | 68.9  |
| 2-0.25           | 54.3                      | 68.3 | 69.0 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2  | 69.2  | 69.2  | 69.2  | 69.2  | 69.2  | 69.2  |
| 2-0.15           | 55.7                      | 70.0 | 71.0 | 71.2 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3  | 71.3  | 71.3  | 71.3  | 71.3  | 71.3  | 71.3  |
| 2-0.1            | 56.8                      | 71.2 | 72.1 | 72.4 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6  | 72.6  | 72.6  | 72.6  | 72.6  | 72.6  | 72.6  |
| 2-0.05           | 58.8                      | 74.2 | 75.2 | 75.5 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7  | 75.7  | 75.7  | 75.7  | 75.7  | 75.7  | 75.7  |
| 2-0.01           | 60.7                      | 78.8 | 79.9 | 80.1 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4  | 80.4  | 80.4  | 80.4  | 80.4  | 80.4  | 80.4  |
| 2-0.001          | 61.0                      | 80.4 | 81.5 | 81.8 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1  | 82.1  | 82.1  | 82.1  | 82.1  | 82.1  | 82.1  |
| 2-0.0001         | 61.2                      | 82.1 | 83.7 | 84.0 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4  | 84.4  | 84.4  | 84.4  | 84.4  | 84.4  | 84.4  |
| 2-0.00001        | 61.2                      | 84.0 | 85.8 | 86.3 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7  | 86.7  | 86.7  | 86.7  | 86.7  | 86.7  | 86.7  |
| 2-0.000001       | 61.3                      | 85.2 | 88.0 | 88.9 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3  | 89.3  | 89.3  | 89.3  | 89.3  | 89.3  | 89.3  |
| 2-0.0000001      | 61.4                      | 88.2 | 90.8 | 92.0 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7  | 92.7  | 92.7  | 92.7  | 92.7  | 92.7  | 92.7  |
| 2-0.00000001     | 61.4                      | 89.6 | 92.7 | 94.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5  | 95.5  | 95.5  | 95.5  | 95.5  | 95.5  | 95.5  |
| 2-0.000000001    | 61.4                      | 89.9 | 93.1 | 96.1 | 97.1 | 97.5 | 97.9 | 98.0 | 98.1 | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  |
| 2-0.0000000001   | 61.4                      | 90.0 | 93.5 | 96.8 | 98.2 | 99.0 | 99.4 | 99.6 | 99.8 | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 2-0.00000000001  | 61.4                      | 90.0 | 93.5 | 96.8 | 98.2 | 99.0 | 99.4 | 99.6 | 99.8 | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 2-0.000000000001 | 61.4                      | 90.0 | 93.5 | 96.8 | 98.2 | 99.0 | 99.4 | 99.6 | 99.8 | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

P 43

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AD-A082 417

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/S 5/P  
VANDENBERG AFB, LOMPOC, CALIFORNIA. REVISED UNIFORM SUMMARY OF --ETC(U)  
AUG 79

UNCLASSIFIED USAFETAC/DS-00/085

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GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70-73-78

MAY

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |       |      |       |      |       |        |       |        |         |        |       |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|------|-------|--------|-------|--------|---------|--------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ 0.5 | ≥ 0.25 | ≥ 0.1 | ≥ 0.05 | ≥ 0.025 | ≥ 0.01 | ≥ 0   |
| NO CEILING      | 44.9                       | 57.3 | 58.0 | 58.5 | 58.8 | 58.9  | 58.9 | 58.9  | 58.9 | 58.9  | 58.9   | 58.9  | 58.9   | 58.9    | 58.9   | 58.9  |
| ≥ 20000         | 46.7                       | 59.4 | 60.2 | 60.7 | 61.0 | 61.1  | 61.1 | 61.1  | 61.1 | 61.1  | 61.1   | 61.1  | 61.1   | 61.1    | 61.1   | 61.1  |
| ≥ 18000         | 47.1                       | 59.8 | 60.6 | 61.1 | 61.4 | 61.5  | 61.5 | 61.5  | 61.5 | 61.5  | 61.5   | 61.5  | 61.5   | 61.5    | 61.5   | 61.5  |
| ≥ 16000         | 47.2                       | 59.9 | 60.7 | 61.2 | 61.5 | 61.6  | 61.6 | 61.6  | 61.6 | 61.6  | 61.6   | 61.6  | 61.6   | 61.6    | 61.6   | 61.6  |
| ≥ 14000         | 48.1                       | 60.8 | 61.6 | 62.1 | 62.4 | 62.5  | 62.5 | 62.5  | 62.5 | 62.5  | 62.5   | 62.5  | 62.5   | 62.5    | 62.5   | 62.5  |
| ≥ 12000         | 48.7                       | 61.4 | 62.1 | 62.6 | 62.9 | 63.0  | 63.0 | 63.0  | 63.0 | 63.0  | 63.0   | 63.0  | 63.0   | 63.0    | 63.0   | 63.0  |
| ≥ 10000         | 48.7                       | 61.4 | 62.1 | 62.6 | 62.9 | 63.0  | 63.0 | 63.0  | 63.0 | 63.0  | 63.0   | 63.0  | 63.0   | 63.0    | 63.0   | 63.0  |
| ≥ 9000          | 48.7                       | 61.4 | 62.1 | 62.6 | 62.9 | 63.0  | 63.0 | 63.0  | 63.0 | 63.0  | 63.0   | 63.0  | 63.0   | 63.0    | 63.0   | 63.0  |
| ≥ 8000          | 48.7                       | 61.4 | 62.1 | 62.6 | 62.9 | 63.0  | 63.0 | 63.0  | 63.0 | 63.0  | 63.0   | 63.0  | 63.0   | 63.0    | 63.0   | 63.0  |
| ≥ 7000          | 48.8                       | 61.5 | 62.2 | 62.7 | 63.0 | 63.2  | 63.2 | 63.2  | 63.2 | 63.2  | 63.2   | 63.2  | 63.2   | 63.2    | 63.2   | 63.2  |
| ≥ 6000          | 48.9                       | 61.6 | 62.4 | 62.9 | 63.2 | 63.3  | 63.3 | 63.3  | 63.3 | 63.3  | 63.3   | 63.3  | 63.3   | 63.3    | 63.3   | 63.3  |
| ≥ 5000          | 48.9                       | 61.6 | 62.4 | 62.9 | 63.2 | 63.3  | 63.3 | 63.3  | 63.3 | 63.3  | 63.3   | 63.3  | 63.3   | 63.3    | 63.3   | 63.3  |
| ≥ 4500          | 49.0                       | 61.7 | 62.5 | 63.0 | 63.3 | 63.4  | 63.4 | 63.4  | 63.4 | 63.4  | 63.4   | 63.4  | 63.4   | 63.4    | 63.4   | 63.4  |
| ≥ 4000          | 49.0                       | 61.7 | 62.5 | 63.0 | 63.3 | 63.4  | 63.4 | 63.4  | 63.4 | 63.4  | 63.4   | 63.4  | 63.4   | 63.4    | 63.4   | 63.4  |
| ≥ 3500          | 49.0                       | 61.7 | 62.5 | 63.0 | 63.3 | 63.4  | 63.4 | 63.4  | 63.4 | 63.4  | 63.4   | 63.4  | 63.4   | 63.4    | 63.4   | 63.4  |
| ≥ 3000          | 49.3                       | 62.0 | 62.8 | 63.3 | 63.5 | 63.7  | 63.7 | 63.7  | 63.7 | 63.7  | 63.7   | 63.7  | 63.7   | 63.7    | 63.7   | 63.7  |
| ≥ 2500          | 49.7                       | 62.5 | 63.3 | 63.8 | 64.1 | 64.2  | 64.2 | 64.2  | 64.2 | 64.2  | 64.2   | 64.2  | 64.2   | 64.2    | 64.2   | 64.2  |
| ≥ 2000          | 50.8                       | 64.4 | 65.2 | 65.7 | 66.0 | 66.1  | 66.1 | 66.1  | 66.1 | 66.1  | 66.1   | 66.1  | 66.1   | 66.1    | 66.1   | 66.1  |
| ≥ 1800          | 51.3                       | 65.2 | 66.0 | 66.5 | 66.8 | 66.9  | 66.9 | 66.9  | 66.9 | 66.9  | 66.9   | 66.9  | 66.9   | 66.9    | 66.9   | 66.9  |
| ≥ 1500          | 53.1                       | 67.8 | 68.5 | 69.1 | 69.3 | 69.4  | 69.4 | 69.4  | 69.4 | 69.4  | 69.4   | 69.4  | 69.4   | 69.4    | 69.4   | 69.4  |
| ≥ 1200          | 55.2                       | 71.6 | 72.4 | 72.9 | 73.2 | 73.3  | 73.3 | 73.3  | 73.3 | 73.3  | 73.3   | 73.3  | 73.3   | 73.3    | 73.3   | 73.3  |
| ≥ 1000          | 56.6                       | 77.5 | 78.6 | 79.1 | 79.3 | 79.5  | 79.5 | 79.5  | 79.5 | 79.5  | 79.5   | 79.5  | 79.5   | 79.5    | 79.5   | 79.5  |
| ≥ 900           | 57.5                       | 79.7 | 81.1 | 81.6 | 81.9 | 82.0  | 82.0 | 82.0  | 82.0 | 82.0  | 82.0   | 82.0  | 82.0   | 82.0    | 82.0   | 82.0  |
| ≥ 800           | 57.9                       | 82.3 | 84.2 | 85.0 | 85.2 | 85.4  | 85.4 | 85.4  | 85.4 | 85.4  | 85.4   | 85.4  | 85.4   | 85.4    | 85.4   | 85.4  |
| ≥ 700           | 58.3                       | 85.6 | 88.1 | 89.3 | 89.7 | 89.9  | 89.9 | 89.9  | 89.9 | 89.9  | 89.9   | 89.9  | 89.9   | 89.9    | 89.9   | 89.9  |
| ≥ 600           | 58.3                       | 87.3 | 89.9 | 91.5 | 92.2 | 92.3  | 92.3 | 92.3  | 92.3 | 92.3  | 92.3   | 92.3  | 92.3   | 92.3    | 92.3   | 92.3  |
| ≥ 500           | 58.3                       | 88.6 | 91.8 | 94.0 | 95.0 | 95.3  | 95.4 | 95.4  | 95.4 | 95.4  | 95.4   | 95.4  | 95.4   | 95.4    | 95.4   | 95.4  |
| ≥ 400           | 58.3                       | 88.8 | 92.3 | 95.5 | 96.9 | 97.6  | 97.9 | 98.2  | 98.2 | 98.2  | 98.2   | 98.2  | 98.2   | 98.2    | 98.2   | 98.2  |
| ≥ 300           | 58.3                       | 88.8 | 92.3 | 95.8 | 97.2 | 97.9  | 98.6 | 99.0  | 99.0 | 99.4  | 99.4   | 99.4  | 99.4   | 99.4    | 99.4   | 99.5  |
| ≥ 200           | 58.3                       | 88.8 | 92.3 | 95.8 | 97.2 | 97.9  | 98.7 | 99.1  | 99.1 | 99.5  | 99.5   | 99.6  | 99.6   | 99.6    | 99.7   | 99.9  |
| ≥ 100           | 58.3                       | 88.8 | 92.3 | 95.8 | 97.2 | 97.9  | 98.7 | 99.1  | 99.1 | 99.5  | 99.6   | 99.7  | 99.7   | 99.7    | 99.9   | 100.0 |
| ≥ 0             | 58.3                       | 88.8 | 92.3 | 95.8 | 97.2 | 97.9  | 98.7 | 99.1  | 99.1 | 99.5  | 99.6   | 99.7  | 99.7   | 99.7    | 99.9   | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

779



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-75, 78

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |       |      |       |      |       |      |       |      |       |       |       |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|-------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ .00 |
| NO CEILING      | 35.0                       | 44.5 | 45.2 | 45.2 | 45.4 | 45.4  | 45.4 | 45.4  | 45.4 | 45.7  | 45.7 | 45.7  | 45.7 | 45.7  | 45.9  | 45.9  |
| ≥ 20000         | 35.7                       | 45.4 | 46.1 | 46.1 | 46.3 | 46.3  | 46.3 | 46.3  | 46.3 | 46.6  | 46.6 | 46.6  | 46.6 | 46.6  | 46.8  | 46.8  |
| ≥ 18000         | 35.7                       | 45.4 | 46.1 | 46.1 | 46.3 | 46.3  | 46.3 | 46.3  | 46.3 | 46.6  | 46.6 | 46.6  | 46.6 | 46.6  | 46.8  | 46.8  |
| ≥ 16000         | 36.1                       | 45.7 | 46.4 | 46.4 | 46.6 | 46.6  | 46.6 | 46.6  | 46.6 | 47.0  | 47.0 | 47.0  | 47.0 | 47.0  | 47.1  | 47.1  |
| ≥ 14000         | 37.0                       | 46.6 | 47.5 | 47.5 | 47.7 | 47.7  | 47.7 | 47.7  | 47.7 | 48.0  | 48.0 | 48.0  | 48.0 | 48.0  | 48.2  | 48.2  |
| ≥ 12000         | 37.1                       | 46.8 | 47.7 | 47.7 | 47.9 | 47.9  | 47.9 | 47.9  | 47.9 | 48.2  | 48.2 | 48.2  | 48.2 | 48.2  | 48.4  | 48.4  |
| ≥ 10000         | 37.1                       | 47.0 | 47.9 | 47.9 | 48.0 | 48.0  | 48.0 | 48.0  | 48.0 | 48.4  | 48.4 | 48.4  | 48.4 | 48.4  | 48.6  | 48.6  |
| ≥ 9000          | 37.1                       | 47.0 | 47.9 | 47.9 | 48.0 | 48.0  | 48.0 | 48.0  | 48.0 | 48.4  | 48.4 | 48.4  | 48.4 | 48.4  | 48.6  | 48.6  |
| ≥ 8000          | 37.1                       | 47.0 | 47.9 | 47.9 | 48.0 | 48.0  | 48.0 | 48.0  | 48.0 | 48.4  | 48.4 | 48.4  | 48.4 | 48.4  | 48.6  | 48.6  |
| ≥ 7000          | 37.9                       | 47.7 | 48.6 | 48.6 | 48.8 | 48.8  | 48.8 | 48.8  | 48.8 | 49.1  | 49.1 | 49.1  | 49.1 | 49.1  | 49.3  | 49.3  |
| ≥ 6000          | 37.9                       | 47.7 | 48.6 | 48.6 | 48.8 | 48.8  | 48.8 | 48.8  | 48.8 | 49.1  | 49.1 | 49.1  | 49.1 | 49.1  | 49.3  | 49.3  |
| ≥ 5000          | 37.9                       | 47.9 | 48.8 | 48.8 | 48.9 | 48.9  | 48.9 | 48.9  | 48.9 | 49.3  | 49.3 | 49.3  | 49.3 | 49.3  | 49.5  | 49.5  |
| ≥ 4500          | 37.9                       | 47.9 | 48.8 | 48.8 | 48.9 | 48.9  | 48.9 | 48.9  | 48.9 | 49.3  | 49.3 | 49.3  | 49.3 | 49.3  | 49.5  | 49.5  |
| ≥ 4000          | 37.9                       | 47.9 | 48.8 | 48.8 | 48.9 | 48.9  | 48.9 | 48.9  | 48.9 | 49.3  | 49.3 | 49.3  | 49.3 | 49.3  | 49.5  | 49.5  |
| ≥ 3500          | 37.9                       | 47.9 | 48.8 | 48.8 | 48.9 | 48.9  | 48.9 | 48.9  | 48.9 | 49.3  | 49.3 | 49.3  | 49.3 | 49.3  | 49.5  | 49.5  |
| ≥ 3000          | 38.4                       | 48.4 | 49.3 | 49.3 | 49.5 | 49.5  | 49.5 | 49.5  | 49.5 | 49.8  | 49.8 | 49.8  | 49.8 | 49.8  | 50.0  | 50.0  |
| ≥ 2500          | 38.8                       | 49.1 | 50.0 | 50.0 | 50.2 | 50.2  | 50.2 | 50.2  | 50.2 | 50.5  | 50.5 | 50.5  | 50.5 | 50.5  | 50.7  | 50.7  |
| ≥ 2000          | 39.8                       | 50.9 | 51.8 | 51.8 | 52.0 | 52.0  | 52.0 | 52.0  | 52.0 | 52.3  | 52.3 | 52.3  | 52.3 | 52.3  | 52.5  | 52.5  |
| ≥ 1800          | 40.2                       | 51.6 | 52.5 | 52.5 | 52.7 | 52.7  | 52.7 | 52.7  | 52.7 | 53.0  | 53.0 | 53.0  | 53.0 | 53.0  | 53.2  | 53.2  |
| ≥ 1500          | 42.7                       | 55.5 | 56.4 | 56.4 | 56.6 | 56.6  | 56.6 | 56.6  | 56.6 | 57.0  | 57.0 | 57.0  | 57.0 | 57.0  | 57.1  | 57.1  |
| ≥ 1200          | 44.6                       | 60.4 | 61.3 | 61.3 | 61.4 | 61.4  | 61.4 | 61.4  | 61.4 | 61.8  | 61.8 | 61.8  | 61.8 | 61.8  | 62.0  | 62.0  |
| ≥ 1000          | 45.4                       | 63.9 | 65.0 | 65.0 | 65.2 | 65.2  | 65.2 | 65.2  | 65.2 | 65.5  | 65.5 | 65.5  | 65.5 | 65.5  | 65.7  | 65.7  |
| ≥ 900           | 46.6                       | 67.5 | 68.6 | 68.6 | 68.8 | 68.8  | 68.8 | 68.8  | 68.8 | 69.1  | 69.1 | 69.1  | 69.1 | 69.1  | 69.3  | 69.3  |
| ≥ 800           | 47.0                       | 69.8 | 71.6 | 71.6 | 71.8 | 71.8  | 71.8 | 71.8  | 71.8 | 72.1  | 72.1 | 72.1  | 72.1 | 72.1  | 72.3  | 72.3  |
| ≥ 700           | 47.3                       | 71.6 | 73.8 | 74.3 | 74.5 | 74.5  | 74.5 | 74.5  | 74.5 | 74.8  | 74.8 | 74.8  | 74.8 | 74.8  | 75.0  | 75.0  |
| ≥ 600           | 48.2                       | 73.8 | 76.4 | 77.5 | 77.7 | 77.7  | 77.7 | 77.7  | 77.7 | 78.0  | 78.0 | 78.0  | 78.0 | 78.0  | 78.2  | 78.2  |
| ≥ 500           | 48.2                       | 76.3 | 79.1 | 80.4 | 81.1 | 81.1  | 81.3 | 81.3  | 81.3 | 81.6  | 81.6 | 81.6  | 81.6 | 81.6  | 81.8  | 81.8  |
| ≥ 400           | 48.2                       | 77.5 | 80.9 | 83.4 | 84.3 | 84.3  | 84.5 | 85.2  | 85.2 | 85.4  | 85.9 | 85.9  | 85.9 | 85.9  | 86.1  | 86.1  |
| ≥ 300           | 48.2                       | 78.0 | 81.6 | 85.2 | 86.3 | 86.3  | 86.4 | 87.9  | 88.8 | 88.9  | 89.6 | 89.6  | 89.8 | 90.2  | 90.5  | 90.7  |
| ≥ 200           | 48.2                       | 78.0 | 81.6 | 85.2 | 86.8 | 87.1  | 88.8 | 89.6  | 89.8 | 91.1  | 91.4 | 91.8  | 93.0 | 93.4  | 94.0  | 95.7  |
| ≥ 100           | 48.2                       | 78.0 | 81.6 | 85.2 | 86.8 | 87.1  | 88.8 | 89.6  | 89.8 | 91.3  | 91.8 | 92.1  | 93.6 | 93.9  | 96.1  | 100.0 |
| ≥ 0             | 48.2                       | 78.0 | 81.6 | 85.2 | 86.8 | 87.1  | 88.8 | 89.6  | 89.8 | 91.3  | 91.8 | 92.1  | 93.6 | 93.9  | 96.1  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

560

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-74

JAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 | ≥10                      | ≥8   | ≥5   | ≥4   | ≥3   | ≥2   | ≥2   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1    |
| NO CEILING      | 30.6                     | 42.9 | 43.8 | 43.8 | 44.0 | 44.0 | 44.2 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.6 | 44.6 | 45.5  |
| ≥ 20000         | 30.6                     | 42.9 | 43.8 | 43.8 | 44.0 | 44.0 | 44.2 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.6 | 44.6 | 45.5  |
| ≥ 18000         | 30.6                     | 42.9 | 43.8 | 43.8 | 44.0 | 44.0 | 44.2 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.6 | 44.6 | 45.5  |
| ≥ 16000         | 30.6                     | 42.9 | 43.8 | 43.8 | 44.0 | 44.0 | 44.2 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.6 | 44.6 | 45.5  |
| ≥ 14000         | 30.7                     | 43.1 | 44.0 | 44.0 | 44.2 | 44.2 | 44.4 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.8 | 44.8 | 45.7  |
| ≥ 12000         | 30.9                     | 43.3 | 44.2 | 44.2 | 44.4 | 44.4 | 44.6 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 45.0 | 45.0 | 45.9  |
| ≥ 10000         | 31.7                     | 44.0 | 45.0 | 45.0 | 45.2 | 45.2 | 45.4 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.7 | 45.7 | 46.7  |
| ≥ 9000          | 31.7                     | 44.0 | 45.0 | 45.0 | 45.2 | 45.2 | 45.4 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.7 | 45.7 | 46.7  |
| ≥ 8000          | 31.7                     | 44.0 | 45.0 | 45.0 | 45.2 | 45.2 | 45.4 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.7 | 45.7 | 46.7  |
| ≥ 7000          | 31.9                     | 44.2 | 45.2 | 45.2 | 45.4 | 45.4 | 45.5 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.9 | 45.9 | 46.9  |
| ≥ 6000          | 31.9                     | 44.2 | 45.2 | 45.2 | 45.4 | 45.4 | 45.5 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.9 | 45.9 | 46.9  |
| ≥ 5000          | 32.3                     | 44.6 | 45.5 | 45.5 | 45.7 | 45.7 | 45.9 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.3 | 46.3 | 47.2  |
| ≥ 4500          | 32.3                     | 44.6 | 45.5 | 45.5 | 45.7 | 45.7 | 45.9 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.3 | 46.3 | 47.2  |
| ≥ 4000          | 32.4                     | 44.8 | 45.7 | 45.7 | 45.9 | 45.9 | 46.1 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.5 | 46.5 | 47.4  |
| ≥ 3500          | 32.4                     | 44.8 | 45.7 | 45.7 | 45.9 | 45.9 | 46.1 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.5 | 46.5 | 47.4  |
| ≥ 3000          | 32.4                     | 44.8 | 45.7 | 45.7 | 45.9 | 45.9 | 46.1 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.5 | 46.5 | 47.4  |
| ≥ 2500          | 33.0                     | 45.7 | 46.7 | 46.7 | 46.9 | 46.9 | 47.1 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.4 | 47.4 | 48.4  |
| ≥ 2000          | 34.0                     | 47.6 | 48.6 | 48.6 | 48.8 | 48.8 | 49.0 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.3 | 49.3 | 50.3  |
| ≥ 1800          | 34.2                     | 48.2 | 49.1 | 49.1 | 49.3 | 49.3 | 49.5 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.9 | 49.9 | 50.9  |
| ≥ 1500          | 35.3                     | 50.7 | 51.6 | 51.6 | 51.8 | 51.8 | 52.0 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.4 | 52.4 | 53.3  |
| ≥ 1200          | 37.4                     | 56.2 | 57.1 | 57.1 | 57.3 | 57.3 | 57.5 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.9 | 57.9 | 58.8  |
| ≥ 1000          | 38.1                     | 59.6 | 60.5 | 60.5 | 60.7 | 60.7 | 60.9 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.3 | 61.3 | 62.4  |
| ≥ 900           | 39.5                     | 62.2 | 63.2 | 63.2 | 63.4 | 63.4 | 63.6 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.9 | 63.9 | 65.1  |
| ≥ 800           | 39.8                     | 63.2 | 64.1 | 64.1 | 64.3 | 64.3 | 64.5 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.9 | 64.9 | 66.0  |
| ≥ 700           | 40.4                     | 66.0 | 67.4 | 67.4 | 67.6 | 67.6 | 67.7 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 68.1 | 68.1 | 69.3  |
| ≥ 600           | 40.6                     | 69.1 | 70.4 | 70.4 | 70.6 | 70.6 | 70.8 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.2 | 71.2 | 72.3  |
| ≥ 500           | 40.8                     | 71.0 | 72.7 | 72.9 | 73.2 | 73.2 | 73.4 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.8 | 73.8 | 75.0  |
| ≥ 400           | 41.0                     | 72.5 | 74.8 | 75.9 | 76.5 | 76.5 | 77.0 | 77.2 | 77.2 | 77.2 | 77.2 | 77.4 | 77.4 | 77.6 | 77.6 | 78.7  |
| ≥ 300           | 41.0                     | 73.4 | 75.7 | 78.0 | 78.9 | 79.1 | 79.7 | 80.1 | 80.1 | 80.1 | 80.1 | 80.8 | 80.8 | 81.0 | 81.0 | 82.5  |
| ≥ 200           | 41.0                     | 73.4 | 75.7 | 78.4 | 80.1 | 80.5 | 81.6 | 83.7 | 83.7 | 84.4 | 85.6 | 86.0 | 86.7 | 87.1 | 88.6 | 92.8  |
| ≥ 100           | 41.0                     | 73.4 | 75.7 | 78.4 | 80.1 | 80.5 | 81.6 | 83.7 | 83.7 | 84.8 | 86.1 | 86.5 | 87.3 | 87.7 | 90.7 | 100.0 |
| ≥ 0             | 41.0                     | 73.4 | 75.7 | 78.4 | 80.1 | 80.5 | 81.6 | 83.7 | 83.7 | 84.8 | 86.1 | 86.5 | 87.3 | 87.7 | 90.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

527

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-78

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |      |       |      |       |      |       |       |        |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|-------|--------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ .001 |
| NO CEILING      | 37.0                     | 47.1 | 47.8 | 48.2 | 48.4 | 48.5  | 48.6 | 48.7  | 48.8 | 48.8  | 48.8 | 48.8  | 48.9 | 48.9  | 49.2  | 49.5   |
| ≥ 20000         | 37.8                     | 48.2 | 48.9 | 49.3 | 49.5 | 49.6  | 49.7 | 49.8  | 49.8 | 49.8  | 49.9 | 49.9  | 49.9 | 50.0  | 50.3  | 50.6   |
| ≥ 18000         | 38.1                     | 48.5 | 49.2 | 49.6 | 49.8 | 49.9  | 50.0 | 50.1  | 50.2 | 50.2  | 50.2 | 50.2  | 50.2 | 50.3  | 50.6  | 50.9   |
| ≥ 16000         | 38.2                     | 48.6 | 49.3 | 49.7 | 49.9 | 50.0  | 50.1 | 50.2  | 50.2 | 50.3  | 50.3 | 50.3  | 50.3 | 50.3  | 50.7  | 51.0   |
| ≥ 14000         | 38.6                     | 48.1 | 49.8 | 50.2 | 50.4 | 50.5  | 50.6 | 50.6  | 50.7 | 50.7  | 50.8 | 50.8  | 50.8 | 50.9  | 51.2  | 51.5   |
| ≥ 12000         | 38.9                     | 49.3 | 50.0 | 50.4 | 50.6 | 50.7  | 50.8 | 50.9  | 51.0 | 51.0  | 51.0 | 51.0  | 51.0 | 51.1  | 51.4  | 51.7   |
| ≥ 10000         | 39.0                     | 49.4 | 50.2 | 50.6 | 50.8 | 50.9  | 51.0 | 51.0  | 51.1 | 51.1  | 51.2 | 51.2  | 51.2 | 51.2  | 51.6  | 51.8   |
| ≥ 9000          | 39.0                     | 49.6 | 50.3 | 50.7 | 50.9 | 51.0  | 51.1 | 51.1  | 51.2 | 51.2  | 51.3 | 51.3  | 51.3 | 51.4  | 51.7  | 52.0   |
| ≥ 8000          | 39.1                     | 49.6 | 50.3 | 50.7 | 50.9 | 51.0  | 51.1 | 51.2  | 51.2 | 51.3  | 51.3 | 51.3  | 51.4 | 51.4  | 51.7  | 52.0   |
| ≥ 7000          | 39.2                     | 49.8 | 50.5 | 50.9 | 51.1 | 51.2  | 51.3 | 51.3  | 51.4 | 51.4  | 51.5 | 51.5  | 51.5 | 51.6  | 51.9  | 52.2   |
| ≥ 6000          | 39.3                     | 49.9 | 50.6 | 51.0 | 51.2 | 51.3  | 51.4 | 51.4  | 51.5 | 51.6  | 51.6 | 51.6  | 51.7 | 51.7  | 52.0  | 52.3   |
| ≥ 5000          | 39.4                     | 50.0 | 50.7 | 51.2 | 51.4 | 51.5  | 51.6 | 51.6  | 51.7 | 51.7  | 51.8 | 51.8  | 51.8 | 51.8  | 52.1  | 52.4   |
| ≥ 4500          | 39.5                     | 50.1 | 50.8 | 51.3 | 51.4 | 51.6  | 51.7 | 51.7  | 51.8 | 51.8  | 51.8 | 51.8  | 51.8 | 51.9  | 52.2  | 52.5   |
| ≥ 4000          | 39.7                     | 50.3 | 51.0 | 51.4 | 51.6 | 51.8  | 51.8 | 51.9  | 52.0 | 52.0  | 52.0 | 52.0  | 52.1 | 52.1  | 52.4  | 52.7   |
| ≥ 3500          | 39.9                     | 50.6 | 51.3 | 51.7 | 51.9 | 52.0  | 52.1 | 52.2  | 52.2 | 52.3  | 52.3 | 52.3  | 52.4 | 52.4  | 52.7  | 53.0   |
| ≥ 3000          | 40.0                     | 50.9 | 51.6 | 52.0 | 52.2 | 52.3  | 52.4 | 52.4  | 52.5 | 52.5  | 52.6 | 52.6  | 52.6 | 52.7  | 53.0  | 53.3   |
| ≥ 2500          | 40.4                     | 51.4 | 52.1 | 52.5 | 52.7 | 52.9  | 53.0 | 53.1  | 53.1 | 53.2  | 53.2 | 53.2  | 53.2 | 53.2  | 53.6  | 53.8   |
| ≥ 2000          | 41.6                     | 52.7 | 53.9 | 54.4 | 54.6 | 54.7  | 54.8 | 54.8  | 54.9 | 54.9  | 55.0 | 55.0  | 55.0 | 55.1  | 55.4  | 55.7   |
| ≥ 1800          | 42.3                     | 54.1 | 54.9 | 55.4 | 55.6 | 55.7  | 55.8 | 55.9  | 55.9 | 56.0  | 56.0 | 56.0  | 56.1 | 56.1  | 56.4  | 56.7   |
| ≥ 1500          | 44.0                     | 57.0 | 57.9 | 58.4 | 58.7 | 58.8  | 59.0 | 59.0  | 59.1 | 59.1  | 59.2 | 59.2  | 59.2 | 59.2  | 59.6  | 59.8   |
| ≥ 1200          | 46.1                     | 61.7 | 62.6 | 63.1 | 63.4 | 63.5  | 63.7 | 63.7  | 63.8 | 63.8  | 63.9 | 63.9  | 63.9 | 63.9  | 64.3  | 64.6   |
| ≥ 1000          | 46.8                     | 65.1 | 66.2 | 66.8 | 67.1 | 67.3  | 67.4 | 67.5  | 67.5 | 67.6  | 67.6 | 67.6  | 67.7 | 67.7  | 68.0  | 68.3   |
| ≥ 900           | 47.4                     | 67.3 | 68.6 | 69.3 | 69.7 | 69.8  | 70.0 | 70.0  | 70.1 | 70.1  | 70.2 | 70.2  | 70.2 | 70.2  | 70.6  | 70.9   |
| ≥ 800           | 47.7                     | 69.3 | 71.1 | 71.9 | 72.3 | 72.4  | 72.6 | 72.7  | 72.7 | 72.8  | 72.8 | 72.8  | 72.9 | 72.9  | 73.2  | 73.5   |
| ≥ 700           | 48.0                     | 71.4 | 73.5 | 74.7 | 75.3 | 75.4  | 75.6 | 75.6  | 75.7 | 75.8  | 75.8 | 75.8  | 75.9 | 75.9  | 76.2  | 76.5   |
| ≥ 600           | 48.3                     | 73.4 | 75.8 | 77.5 | 78.2 | 78.3  | 78.6 | 78.7  | 78.7 | 78.8  | 78.8 | 78.8  | 78.9 | 78.9  | 79.2  | 79.5   |
| ≥ 500           | 48.3                     | 74.9 | 77.7 | 79.9 | 81.0 | 81.2  | 81.7 | 81.8  | 81.9 | 81.9  | 82.0 | 82.0  | 82.0 | 82.0  | 82.4  | 82.7   |
| ≥ 450           | 48.4                     | 75.6 | 78.7 | 81.9 | 83.6 | 84.1  | 85.0 | 85.3  | 85.4 | 85.5  | 85.6 | 85.7  | 85.7 | 85.7  | 86.1  | 86.5   |
| ≥ 400           | 48.4                     | 76.1 | 79.3 | 83.0 | 85.2 | 86.1  | 87.4 | 88.3  | 88.5 | 88.8  | 89.2 | 89.4  | 89.7 | 89.9  | 90.4  | 91.0   |
| ≥ 300           | 48.4                     | 76.1 | 79.4 | 83.1 | 85.6 | 86.6  | 88.0 | 89.2  | 89.5 | 90.2  | 90.9 | 91.2  | 91.9 | 92.4  | 93.9  | 96.0   |
| ≥ 200           | 48.4                     | 76.1 | 79.4 | 83.1 | 85.6 | 86.6  | 88.0 | 89.2  | 89.5 | 90.2  | 91.1 | 91.4  | 92.2 | 92.8  | 94.9  | 99.9   |
| ≥ 100           | 48.4                     | 76.1 | 79.4 | 83.1 | 85.6 | 86.6  | 88.0 | 89.2  | 89.5 | 90.2  | 91.1 | 91.4  | 92.2 | 92.8  | 94.9  | 100.0  |
| ≥ 0             | 48.4                     | 76.1 | 79.4 | 83.1 | 85.6 | 86.6  | 88.0 | 89.2  | 89.5 | 90.2  | 91.1 | 91.4  | 92.2 | 92.8  | 94.9  | 100.0  |

TOTAL NUMBER OF OBSERVATIONS

5556

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

07-70-73

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 | ≥10                        | ≥6   | ≥5   | ≥4   | ≥3   | ≥2   | ≥2   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1    |
| NO CEILING      | 14.4                       | 24.9 | 25.3 | 25.6 | 25.6 | 25.8 | 26.0 | 26.0 | 26.0 | 26.0 | 26.2 | 26.4 | 26.4 | 26.4 | 26.9 | 26.9  |
| ≥ 20000         | 14.4                       | 24.9 | 25.3 | 25.6 | 25.6 | 25.8 | 26.0 | 26.0 | 26.0 | 26.0 | 26.2 | 26.4 | 26.4 | 26.4 | 26.9 | 26.9  |
| IV 18000        | 14.4                       | 24.9 | 25.3 | 25.6 | 25.6 | 25.8 | 26.0 | 26.0 | 26.0 | 26.0 | 26.2 | 26.4 | 26.4 | 26.4 | 26.9 | 26.9  |
| IV 16000        | 14.4                       | 24.9 | 25.3 | 25.6 | 25.6 | 25.8 | 26.0 | 26.0 | 26.0 | 26.0 | 26.2 | 26.4 | 26.4 | 26.4 | 26.9 | 26.9  |
| IV 14000        | 14.4                       | 24.9 | 25.3 | 25.6 | 25.6 | 25.8 | 26.0 | 26.0 | 26.0 | 26.0 | 26.2 | 26.4 | 26.4 | 26.4 | 26.9 | 26.9  |
| IV 12000        | 14.7                       | 25.1 | 25.6 | 25.8 | 25.8 | 26.0 | 26.2 | 26.2 | 26.2 | 26.2 | 26.4 | 26.7 | 26.7 | 26.7 | 27.1 | 27.1  |
| IV 10000        | 14.7                       | 25.1 | 25.6 | 25.8 | 25.8 | 26.0 | 26.2 | 26.2 | 26.2 | 26.2 | 26.4 | 26.7 | 26.7 | 26.7 | 27.1 | 27.1  |
| IV 9000         | 14.7                       | 25.1 | 25.6 | 25.8 | 25.8 | 26.0 | 26.2 | 26.2 | 26.2 | 26.2 | 26.4 | 26.7 | 26.7 | 26.7 | 27.1 | 27.1  |
| IV 8000         | 14.7                       | 25.1 | 25.6 | 25.8 | 25.8 | 26.0 | 26.2 | 26.2 | 26.2 | 26.2 | 26.4 | 26.7 | 26.7 | 26.7 | 27.1 | 27.1  |
| IV 7000         | 14.7                       | 25.1 | 25.6 | 25.8 | 25.8 | 26.0 | 26.2 | 26.2 | 26.2 | 26.2 | 26.4 | 26.7 | 26.7 | 26.7 | 27.1 | 27.1  |
| IV 6000         | 15.1                       | 25.6 | 26.0 | 26.2 | 26.2 | 26.4 | 26.7 | 26.7 | 26.7 | 26.7 | 26.9 | 27.1 | 27.1 | 27.1 | 27.6 | 27.6  |
| IV 5000         | 15.1                       | 25.6 | 26.0 | 26.2 | 26.2 | 26.4 | 26.7 | 26.7 | 26.7 | 26.7 | 26.9 | 27.1 | 27.1 | 27.1 | 27.6 | 27.6  |
| IV 4500         | 15.3                       | 25.8 | 26.2 | 26.4 | 26.4 | 26.7 | 26.9 | 26.9 | 26.9 | 26.9 | 27.1 | 27.3 | 27.3 | 27.3 | 27.8 | 27.8  |
| IV 4000         | 15.6                       | 26.0 | 26.4 | 26.7 | 26.7 | 26.9 | 27.1 | 27.1 | 27.1 | 27.1 | 27.3 | 27.6 | 27.6 | 27.6 | 28.0 | 28.0  |
| IV 3500         | 15.6                       | 26.2 | 26.7 | 26.9 | 26.9 | 27.1 | 27.3 | 27.3 | 27.3 | 27.3 | 27.6 | 27.8 | 27.8 | 27.8 | 28.2 | 28.2  |
| IV 3000         | 15.6                       | 26.2 | 26.7 | 26.9 | 26.9 | 27.1 | 27.3 | 27.3 | 27.3 | 27.3 | 27.6 | 27.8 | 27.8 | 27.8 | 28.2 | 28.2  |
| IV 2500         | 16.4                       | 27.1 | 27.6 | 27.8 | 27.8 | 28.0 | 28.2 | 28.2 | 28.2 | 28.2 | 28.4 | 28.7 | 28.7 | 28.7 | 29.1 | 29.1  |
| IV 2000         | 18.2                       | 29.8 | 30.2 | 30.4 | 30.4 | 30.7 | 30.9 | 30.9 | 30.9 | 30.9 | 31.1 | 31.3 | 31.3 | 31.3 | 31.8 | 31.8  |
| IV 1800         | 19.8                       | 32.4 | 32.9 | 33.1 | 33.1 | 33.3 | 33.6 | 33.6 | 33.6 | 33.6 | 33.8 | 34.0 | 34.0 | 34.0 | 34.4 | 34.4  |
| IV 1500         | 21.3                       | 35.6 | 36.0 | 36.4 | 36.4 | 36.7 | 36.9 | 36.9 | 36.9 | 36.9 | 37.1 | 37.3 | 37.3 | 37.3 | 37.8 | 37.8  |
| IV 1200         | 22.9                       | 40.9 | 41.3 | 41.8 | 41.8 | 42.0 | 42.2 | 42.2 | 42.2 | 42.2 | 42.4 | 42.7 | 42.7 | 42.7 | 43.1 | 43.1  |
| IV 1000         | 23.8                       | 45.3 | 46.0 | 46.4 | 46.4 | 46.7 | 46.9 | 46.9 | 46.9 | 46.9 | 47.1 | 47.3 | 47.3 | 47.3 | 47.8 | 47.8  |
| IV 900          | 24.9                       | 47.1 | 47.8 | 48.2 | 48.2 | 48.4 | 48.7 | 48.7 | 48.7 | 48.7 | 48.9 | 49.1 | 49.1 | 49.1 | 49.6 | 49.6  |
| IV 800          | 24.9                       | 48.4 | 49.1 | 49.8 | 49.8 | 50.0 | 50.2 | 50.2 | 50.2 | 50.2 | 50.4 | 50.7 | 50.7 | 50.7 | 51.1 | 51.1  |
| IV 700          | 25.3                       | 51.3 | 52.2 | 52.9 | 52.9 | 53.1 | 53.3 | 53.3 | 53.3 | 53.3 | 53.6 | 53.8 | 53.8 | 53.8 | 54.2 | 54.2  |
| IV 600          | 26.0                       | 55.1 | 56.4 | 57.3 | 57.3 | 57.6 | 57.8 | 57.8 | 57.8 | 57.8 | 58.0 | 58.2 | 58.2 | 58.2 | 58.7 | 58.7  |
| IV 500          | 26.7                       | 59.3 | 60.7 | 62.0 | 62.0 | 62.2 | 62.4 | 62.4 | 62.4 | 62.4 | 62.7 | 62.9 | 63.1 | 63.1 | 63.6 | 63.6  |
| IV 400          | 26.7                       | 60.4 | 62.0 | 63.8 | 64.2 | 64.4 | 64.7 | 64.9 | 64.9 | 64.9 | 65.1 | 65.3 | 65.6 | 65.6 | 66.0 | 66.0  |
| IV 300          | 26.9                       | 61.8 | 64.2 | 67.1 | 68.0 | 68.4 | 68.9 | 69.1 | 69.3 | 69.8 | 70.2 | 70.4 | 70.7 | 70.7 | 71.3 | 71.3  |
| IV 200          | 26.9                       | 62.0 | 64.4 | 68.0 | 69.6 | 70.4 | 71.3 | 72.2 | 73.1 | 74.2 | 74.7 | 75.1 | 75.8 | 76.2 | 81.1 | 84.0  |
| IV 100          | 26.9                       | 62.0 | 64.4 | 68.2 | 69.8 | 70.7 | 71.8 | 73.6 | 74.7 | 76.0 | 77.1 | 78.2 | 79.3 | 80.2 | 89.3 | 100.0 |
| IV 0            | 26.9                       | 62.0 | 64.4 | 68.2 | 69.8 | 70.7 | 71.8 | 73.6 | 74.7 | 76.0 | 77.1 | 78.2 | 79.3 | 80.2 | 89.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

450

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |       |      |       |       |      |      |      |       |      |       |       |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|-------|------|-------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1.2 | ≥ 1  | ≥ .5 | ≥ .3 | ≥ .25 | ≥ .2 | ≥ .15 | ≥ .1  |
| NO CEILING      | 10.7                       | 16.9 | 17.3 | 17.6 | 17.6 | 17.6  | 17.6 | 17.6  | 17.6  | 17.8 | 18.0 | 18.0 | 18.2  | 18.4 | 19.3  | 20.0  |
| ≥ 20000         | 10.7                       | 17.1 | 17.6 | 17.8 | 17.8 | 17.8  | 17.8 | 17.8  | 17.8  | 18.0 | 18.2 | 18.2 | 18.4  | 18.7 | 19.6  | 20.2  |
| ≥ 18000         | 10.7                       | 17.1 | 17.6 | 17.8 | 17.8 | 17.8  | 17.8 | 17.8  | 17.8  | 18.0 | 18.2 | 18.2 | 18.4  | 18.7 | 19.6  | 20.2  |
| ≥ 16000         | 10.7                       | 17.1 | 17.6 | 17.8 | 17.8 | 17.8  | 17.8 | 17.8  | 17.8  | 18.0 | 18.2 | 18.2 | 18.4  | 18.7 | 19.6  | 20.2  |
| ≥ 14000         | 10.7                       | 17.1 | 17.6 | 17.8 | 17.8 | 17.8  | 17.8 | 17.8  | 17.8  | 18.0 | 18.2 | 18.2 | 18.4  | 18.7 | 19.6  | 20.2  |
| ≥ 12000         | 10.7                       | 17.1 | 17.6 | 17.8 | 17.8 | 17.8  | 17.8 | 17.8  | 17.8  | 18.0 | 18.2 | 18.2 | 18.4  | 18.7 | 19.6  | 20.2  |
| ≥ 10000         | 10.7                       | 17.1 | 17.6 | 17.8 | 17.8 | 17.8  | 17.8 | 17.8  | 17.8  | 18.0 | 18.2 | 18.2 | 18.4  | 18.7 | 19.6  | 20.2  |
| ≥ 9000          | 10.7                       | 17.1 | 17.6 | 17.8 | 17.8 | 17.8  | 17.8 | 17.8  | 17.8  | 18.0 | 18.2 | 18.2 | 18.4  | 18.7 | 19.6  | 20.2  |
| ≥ 8000          | 10.7                       | 17.1 | 17.6 | 17.8 | 17.8 | 17.8  | 17.8 | 17.8  | 17.8  | 18.0 | 18.2 | 18.2 | 18.4  | 18.7 | 19.6  | 20.2  |
| ≥ 7000          | 10.7                       | 17.1 | 17.6 | 17.8 | 17.8 | 17.8  | 17.8 | 17.8  | 17.8  | 18.0 | 18.2 | 18.2 | 18.4  | 18.7 | 19.6  | 20.2  |
| ≥ 6000          | 11.1                       | 17.6 | 18.0 | 18.2 | 18.2 | 18.2  | 18.2 | 18.2  | 18.2  | 18.4 | 18.7 | 18.7 | 18.9  | 19.1 | 20.0  | 20.7  |
| ≥ 5000          | 11.1                       | 17.6 | 18.0 | 18.2 | 18.2 | 18.2  | 18.2 | 18.2  | 18.2  | 18.4 | 18.7 | 18.7 | 18.9  | 19.1 | 20.0  | 20.7  |
| ≥ 4500          | 11.1                       | 17.6 | 18.0 | 18.2 | 18.2 | 18.2  | 18.2 | 18.2  | 18.2  | 18.4 | 18.7 | 18.7 | 18.9  | 19.1 | 20.0  | 20.7  |
| ≥ 4000          | 11.1                       | 17.6 | 18.0 | 18.2 | 18.2 | 18.2  | 18.2 | 18.2  | 18.2  | 18.4 | 18.7 | 18.7 | 18.9  | 19.1 | 20.0  | 20.7  |
| ≥ 3500          | 11.1                       | 17.6 | 18.0 | 18.2 | 18.2 | 18.2  | 18.2 | 18.2  | 18.2  | 18.4 | 18.7 | 18.7 | 18.9  | 19.1 | 20.0  | 20.7  |
| ≥ 3000          | 11.3                       | 17.8 | 18.2 | 18.4 | 18.4 | 18.4  | 18.4 | 18.4  | 18.4  | 18.7 | 18.9 | 18.9 | 19.1  | 19.3 | 20.2  | 20.7  |
| ≥ 2500          | 12.4                       | 19.1 | 19.6 | 19.8 | 19.8 | 19.8  | 19.8 | 19.8  | 19.8  | 20.0 | 20.2 | 20.2 | 20.4  | 20.7 | 21.0  | 22.2  |
| ≥ 2000          | 15.3                       | 23.6 | 24.2 | 24.4 | 24.4 | 24.4  | 24.4 | 24.4  | 24.4  | 24.7 | 24.9 | 24.9 | 25.1  | 25.3 | 26.2  | 26.9  |
| ≥ 1800          | 17.6                       | 27.8 | 28.4 | 28.7 | 28.7 | 28.7  | 28.7 | 28.7  | 28.7  | 28.9 | 29.1 | 29.1 | 29.3  | 29.6 | 30.4  | 31.1  |
| ≥ 1500          | 19.6                       | 30.7 | 31.3 | 31.6 | 31.6 | 31.6  | 31.6 | 31.6  | 31.6  | 31.8 | 32.0 | 32.0 | 32.2  | 32.4 | 33.3  | 34.0  |
| ≥ 1200          | 21.3                       | 34.7 | 35.6 | 35.8 | 36.0 | 36.0  | 36.0 | 36.0  | 36.0  | 36.2 | 36.4 | 36.4 | 36.7  | 36.9 | 37.8  | 38.4  |
| ≥ 1000          | 22.0                       | 37.1 | 38.4 | 38.7 | 38.9 | 38.9  | 38.9 | 38.9  | 38.9  | 39.1 | 39.3 | 39.3 | 39.6  | 39.8 | 40.7  | 41.3  |
| ≥ 900           | 22.0                       | 38.2 | 39.6 | 39.8 | 40.0 | 40.0  | 40.0 | 40.0  | 40.0  | 40.2 | 40.4 | 40.4 | 40.7  | 40.9 | 41.8  | 42.4  |
| ≥ 800           | 22.2                       | 40.2 | 41.6 | 41.8 | 42.0 | 42.0  | 42.0 | 42.0  | 42.0  | 42.2 | 42.4 | 42.4 | 42.7  | 42.9 | 43.8  | 44.4  |
| ≥ 700           | 22.4                       | 41.3 | 42.7 | 43.1 | 43.3 | 43.3  | 43.3 | 43.3  | 43.3  | 43.6 | 43.8 | 43.8 | 44.0  | 44.2 | 45.1  | 45.8  |
| ≥ 600           | 22.4                       | 44.9 | 46.2 | 46.7 | 46.9 | 46.9  | 46.9 | 46.9  | 46.9  | 47.1 | 47.3 | 47.3 | 47.6  | 48.0 | 48.9  | 49.6  |
| ≥ 500           | 22.4                       | 48.7 | 49.8 | 51.1 | 51.6 | 51.8  | 51.8 | 51.8  | 51.8  | 52.0 | 52.2 | 52.2 | 52.4  | 52.9 | 53.8  | 54.4  |
| ≥ 400           | 22.4                       | 50.0 | 52.0 | 54.7 | 57.1 | 57.6  | 57.6 | 57.8  | 58.0  | 58.4 | 58.7 | 58.7 | 58.9  | 59.3 | 60.2  | 60.9  |
| ≥ 300           | 22.4                       | 51.6 | 54.0 | 58.0 | 61.1 | 61.8  | 62.2 | 62.9  | 63.3  | 64.2 | 64.7 | 64.9 | 65.3  | 65.8 | 66.7  | 67.3  |
| ≥ 200           | 22.4                       | 51.6 | 54.0 | 58.7 | 62.7 | 63.6  | 64.7 | 66.4  | 66.9  | 68.7 | 69.6 | 70.9 | 72.0  | 72.7 | 78.0  | 83.1  |
| ≥ 100           | 22.4                       | 51.6 | 54.0 | 58.7 | 62.9 | 63.8  | 65.1 | 66.9  | 67.3  | 69.3 | 70.9 | 72.2 | 73.3  | 74.4 | 83.3  | 100.0 |
| ≥ 0             | 22.4                       | 51.6 | 54.0 | 58.7 | 62.9 | 63.8  | 65.1 | 66.9  | 67.3  | 69.3 | 70.9 | 72.2 | 73.3  | 74.4 | 83.3  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

450

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/TAC

# CEILING VERSUS VISIBILITY

92214

VANDENBERG AFB CA

67-70, 73-74

44

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0500-0800

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |      |        |       |        |       |        |        |       |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|--------|-------|--------|-------|--------|--------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ 0.75 | ≥ 0.5 | ≥ 0.25 | ≥ 0.1 | ≥ 0.05 | ≥ 0.01 | ≥ 0   |
| NO CEILING      | 16.2                     | 22.2 | 22.7 | 23.4 | 24.2 | 24.4  | 24.5 | 24.5  | 24.5 | 24.7   | 24.9  | 24.9   | 24.9  | 24.9   | 25.2   | 25.5  |
| ≥ 20000         | 16.8                     | 22.7 | 23.3 | 24.0 | 24.8 | 24.9  | 25.1 | 25.1  | 25.1 | 25.2   | 25.5  | 25.5   | 25.5  | 25.5   | 25.8   | 26.4  |
| ≥ 18000         | 16.8                     | 22.7 | 23.3 | 24.0 | 24.8 | 24.9  | 25.1 | 25.1  | 25.1 | 25.2   | 25.5  | 25.5   | 25.5  | 25.5   | 25.8   | 26.4  |
| ≥ 16000         | 16.8                     | 22.7 | 23.3 | 24.0 | 24.8 | 24.9  | 25.1 | 25.1  | 25.1 | 25.2   | 25.5  | 25.5   | 25.5  | 25.5   | 25.8   | 26.4  |
| ≥ 14000         | 16.8                     | 22.7 | 23.3 | 24.0 | 24.8 | 24.9  | 25.1 | 25.1  | 25.1 | 25.2   | 25.5  | 25.5   | 25.5  | 25.5   | 25.8   | 26.4  |
| ≥ 12000         | 16.8                     | 22.9 | 23.4 | 24.1 | 24.9 | 25.1  | 25.2 | 25.2  | 25.2 | 25.3   | 25.6  | 25.6   | 25.6  | 25.6   | 25.9   | 26.4  |
| ≥ 10000         | 16.9                     | 23.0 | 23.5 | 24.4 | 25.2 | 25.3  | 25.5 | 25.5  | 25.5 | 25.6   | 25.9  | 25.9   | 25.9  | 25.9   | 26.2   | 26.5  |
| ≥ 9000          | 16.9                     | 23.0 | 23.5 | 24.4 | 25.2 | 25.3  | 25.5 | 25.5  | 25.5 | 25.6   | 25.9  | 25.9   | 25.9  | 25.9   | 26.2   | 26.5  |
| ≥ 8000          | 16.9                     | 23.1 | 23.7 | 24.5 | 25.3 | 25.5  | 25.6 | 25.6  | 25.6 | 25.8   | 26.0  | 26.0   | 26.0  | 26.0   | 26.3   | 26.6  |
| ≥ 7000          | 16.9                     | 23.1 | 23.7 | 24.5 | 25.3 | 25.5  | 25.6 | 25.6  | 25.6 | 25.8   | 26.0  | 26.0   | 26.0  | 26.0   | 26.3   | 26.6  |
| ≥ 6000          | 16.9                     | 23.1 | 23.7 | 24.5 | 25.3 | 25.5  | 25.6 | 25.6  | 25.6 | 25.8   | 26.0  | 26.0   | 26.0  | 26.0   | 26.3   | 26.6  |
| ≥ 5000          | 16.9                     | 23.1 | 23.7 | 24.5 | 25.3 | 25.5  | 25.6 | 25.6  | 25.6 | 25.8   | 26.0  | 26.0   | 26.0  | 26.0   | 26.3   | 26.6  |
| ≥ 4500          | 17.2                     | 23.4 | 24.0 | 24.8 | 25.6 | 25.8  | 25.9 | 25.9  | 25.9 | 26.0   | 26.3  | 26.3   | 26.3  | 26.3   | 26.6   | 26.9  |
| ≥ 4000          | 17.2                     | 23.4 | 24.0 | 24.8 | 25.6 | 25.8  | 25.9 | 25.9  | 25.9 | 26.0   | 26.3  | 26.3   | 26.3  | 26.3   | 26.6   | 26.9  |
| ≥ 3500          | 17.2                     | 23.4 | 24.0 | 24.8 | 25.6 | 25.8  | 25.9 | 25.9  | 25.9 | 26.0   | 26.3  | 26.3   | 26.3  | 26.3   | 26.6   | 26.9  |
| ≥ 3000          | 17.9                     | 24.1 | 24.7 | 25.6 | 26.5 | 26.6  | 26.7 | 26.7  | 26.7 | 26.9   | 27.1  | 27.1   | 27.1  | 27.1   | 27.4   | 27.7  |
| ≥ 2500          | 18.8                     | 25.3 | 25.9 | 26.9 | 27.7 | 27.8  | 28.0 | 28.0  | 28.0 | 28.1   | 28.4  | 28.4   | 28.4  | 28.4   | 28.7   | 28.9  |
| ≥ 2000          | 20.9                     | 28.7 | 29.2 | 30.2 | 31.0 | 31.2  | 31.3 | 31.3  | 31.3 | 31.4   | 31.7  | 31.7   | 31.7  | 31.7   | 32.0   | 32.3  |
| ≥ 1800          | 22.9                     | 31.2 | 31.7 | 32.7 | 33.5 | 33.7  | 33.8 | 33.8  | 33.8 | 33.9   | 34.2  | 34.2   | 34.2  | 34.2   | 34.5   | 34.8  |
| ≥ 1500          | 24.8                     | 34.2 | 34.8 | 35.7 | 36.6 | 36.7  | 36.8 | 36.8  | 36.8 | 37.0   | 37.3  | 37.3   | 37.3  | 37.3   | 37.5   | 37.8  |
| ≥ 1200          | 25.5                     | 36.4 | 37.1 | 38.2 | 39.1 | 39.2  | 39.3 | 39.5  | 39.5 | 39.6   | 39.9  | 39.9   | 39.9  | 39.9   | 40.2   | 40.4  |
| ≥ 1000          | 26.6                     | 39.6 | 40.9 | 42.7 | 43.5 | 43.6  | 43.8 | 43.9  | 43.9 | 44.0   | 44.3  | 44.3   | 44.3  | 44.3   | 44.6   | 44.9  |
| ≥ 900           | 27.3                     | 41.7 | 43.1 | 45.2 | 46.0 | 46.1  | 46.4 | 46.5  | 46.5 | 46.7   | 47.0  | 47.0   | 47.0  | 47.0   | 47.2   | 47.5  |
| ≥ 800           | 27.6                     | 43.4 | 44.7 | 47.0 | 47.9 | 48.1  | 48.3 | 48.5  | 48.5 | 48.6   | 48.9  | 48.9   | 48.9  | 48.9   | 49.2   | 49.4  |
| ≥ 700           | 27.6                     | 45.0 | 46.7 | 49.6 | 50.8 | 51.0  | 51.2 | 51.4  | 51.4 | 51.5   | 51.8  | 51.9   | 51.9  | 51.9   | 52.2   | 52.5  |
| ≥ 600           | 27.7                     | 46.0 | 47.8 | 51.7 | 52.9 | 53.3  | 53.7 | 53.9  | 53.9 | 54.2   | 54.4  | 54.7   | 54.7  | 54.8   | 55.1   | 55.4  |
| ≥ 500           | 27.8                     | 47.8 | 50.1 | 56.1 | 57.9 | 58.6  | 59.4 | 60.2  | 60.4 | 60.7   | 60.9  | 61.2   | 61.2  | 61.4   | 61.6   | 61.9  |
| ≥ 400           | 27.8                     | 49.3 | 52.1 | 60.2 | 63.3 | 64.5  | 66.2 | 67.6  | 68.0 | 68.6   | 69.1  | 69.4   | 69.4  | 69.5   | 69.8   | 70.2  |
| ≥ 300           | 27.8                     | 49.6 | 52.6 | 62.2 | 66.3 | 68.7  | 71.3 | 74.4  | 75.1 | 76.3   | 77.8  | 78.4   | 79.2  | 79.8   | 80.2   | 81.0  |
| ≥ 200           | 27.8                     | 49.6 | 52.6 | 62.2 | 66.6 | 69.1  | 72.0 | 75.9  | 76.6 | 77.8   | 80.2  | 81.4   | 82.8  | 84.2   | 87.1   | 90.2  |
| ≥ 100           | 27.8                     | 49.6 | 52.6 | 62.2 | 66.6 | 69.1  | 72.2 | 76.0  | 76.7 | 78.4   | 81.0  | 82.3   | 83.9  | 85.9   | 90.9   | 99.2  |
| ≥ 0             | 27.8                     | 49.6 | 52.6 | 62.2 | 66.6 | 69.1  | 72.2 | 76.0  | 76.7 | 78.4   | 81.0  | 82.3   | 83.9  | 85.9   | 91.0   | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

722

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100

| CEILING<br>FEET | VISIBILITY (STATUTE MILES) |      |      |      |      |       |      |       |       |      |      |      |      |      |      |       |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1.4 | ≥ 1  | ≥ .8 | ≥ .6 | ≥ .5 | ≥ .4 | ≥ .3 | ≥ .2  |
| NO CEILING      | 29.8                       | 42.5 | 43.5 | 43.7 | 43.7 | 43.7  | 43.7 | 43.7  | 43.7  | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7  |
| ≥ 20000         | 30.6                       | 44.0 | 44.9 | 45.3 | 45.3 | 45.3  | 45.3 | 45.3  | 45.3  | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3  |
| ≥ 18000         | 30.6                       | 44.0 | 44.9 | 45.3 | 45.3 | 45.3  | 45.3 | 45.3  | 45.3  | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3  |
| ≥ 16000         | 30.6                       | 44.0 | 44.9 | 45.3 | 45.3 | 45.3  | 45.3 | 45.3  | 45.3  | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3  |
| ≥ 14000         | 30.9                       | 44.3 | 45.3 | 45.7 | 45.7 | 45.7  | 45.7 | 45.7  | 45.7  | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7  |
| ≥ 12000         | 31.2                       | 44.7 | 45.7 | 46.0 | 46.0 | 46.0  | 46.0 | 46.0  | 46.0  | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0  |
| ≥ 10000         | 31.5                       | 44.9 | 45.9 | 46.3 | 46.3 | 46.3  | 46.3 | 46.3  | 46.3  | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3  |
| ≥ 9000          | 31.5                       | 44.9 | 45.9 | 46.3 | 46.3 | 46.3  | 46.3 | 46.3  | 46.3  | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3  |
| ≥ 8000          | 31.5                       | 45.1 | 46.0 | 46.4 | 46.4 | 46.4  | 46.4 | 46.4  | 46.4  | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4  |
| ≥ 7000          | 31.5                       | 45.1 | 46.0 | 46.4 | 46.4 | 46.4  | 46.4 | 46.4  | 46.4  | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4  |
| ≥ 6000          | 31.7                       | 45.3 | 46.3 | 46.7 | 46.7 | 46.7  | 46.7 | 46.7  | 46.7  | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7  |
| ≥ 5000          | 31.7                       | 45.3 | 46.3 | 46.7 | 46.7 | 46.7  | 46.7 | 46.7  | 46.7  | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7  |
| ≥ 4500          | 32.0                       | 45.6 | 46.5 | 46.9 | 46.9 | 46.9  | 46.9 | 46.9  | 46.9  | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9  |
| ≥ 4000          | 32.0                       | 45.6 | 46.5 | 46.9 | 46.9 | 46.9  | 46.9 | 46.9  | 46.9  | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9  |
| ≥ 3500          | 32.3                       | 45.9 | 46.9 | 47.3 | 47.3 | 47.3  | 47.3 | 47.3  | 47.3  | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3  |
| ≥ 3000          | 33.1                       | 46.7 | 47.7 | 48.0 | 48.0 | 48.0  | 48.0 | 48.0  | 48.0  | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0  |
| ≥ 2500          | 33.8                       | 47.8 | 48.8 | 49.1 | 49.1 | 49.1  | 49.1 | 49.1  | 49.1  | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1  |
| ≥ 2000          | 36.4                       | 50.7 | 51.7 | 52.1 | 52.1 | 52.1  | 52.1 | 52.1  | 52.1  | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1  |
| ≥ 1800          | 38.4                       | 53.0 | 54.0 | 54.3 | 54.3 | 54.3  | 54.3 | 54.3  | 54.3  | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3  |
| ≥ 1500          | 41.7                       | 57.4 | 58.5 | 59.0 | 59.0 | 59.0  | 59.0 | 59.0  | 59.0  | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0  |
| ≥ 1200          | 44.6                       | 64.1 | 65.3 | 65.9 | 65.9 | 65.9  | 65.9 | 65.9  | 65.9  | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9  |
| ≥ 1000          | 45.9                       | 67.9 | 69.4 | 70.1 | 70.4 | 70.4  | 70.4 | 70.4  | 70.4  | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4  |
| ≥ 900           | 46.4                       | 70.9 | 72.8 | 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  |
| ≥ 800           | 47.0                       | 73.3 | 75.8 | 76.7 | 76.9 | 76.9  | 76.9 | 76.9  | 76.9  | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9  |
| ≥ 700           | 47.2                       | 75.3 | 78.9 | 80.2 | 80.6 | 80.7  | 80.7 | 80.7  | 80.7  | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7  |
| ≥ 600           | 47.2                       | 77.0 | 81.4 | 83.7 | 84.2 | 84.3  | 84.3 | 84.3  | 84.3  | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3  |
| ≥ 500           | 47.3                       | 78.1 | 83.0 | 87.2 | 89.0 | 89.3  | 89.6 | 89.8  | 89.8  | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8  |
| ≥ 400           | 47.3                       | 78.4 | 83.2 | 88.9 | 91.6 | 92.2  | 93.2 | 93.5  | 93.6  | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7  |
| ≥ 300           | 47.3                       | 78.4 | 83.2 | 89.4 | 92.8 | 93.8  | 95.2 | 96.0  | 96.4  | 96.8 | 97.0 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3  |
| ≥ 200           | 47.3                       | 78.4 | 83.2 | 89.4 | 92.8 | 93.8  | 95.6 | 96.9  | 97.3  | 97.8 | 98.0 | 98.6 | 98.9 | 98.9 | 99.4 | 100.0 |
| ≥ 100           | 47.3                       | 78.4 | 83.2 | 89.4 | 92.8 | 93.8  | 95.6 | 96.9  | 97.3  | 97.8 | 98.0 | 98.6 | 98.9 | 98.9 | 99.4 | 100.0 |
| ≥ 0             | 47.3                       | 78.4 | 83.2 | 89.4 | 92.8 | 93.8  | 95.6 | 96.9  | 97.3  | 97.8 | 98.0 | 98.6 | 98.9 | 98.9 | 99.4 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

810

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/NAAC

# CEILING VERSUS VISIBILITY

93216

VANDENBERG AFB CA

7-70-73-78

10

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |       |      |       |      |      |      |       |      |       |      |      |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|------|------|------|-------|------|-------|------|------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ .5 | ≥ .3 | ≥ .25 | ≥ .2 | ≥ .15 | ≥ .1 | ≥ 0  |
| NO CEILING      | 40.3                       | 55.5 | 55.9 | 56.8 | 56.9 | 56.9  | 57.1 | 57.1  | 57.1 | 57.1 | 57.1 | 57.1  | 57.1 | 57.1  | 57.1 | 57.1 |
| ≥ 20000         | 41.1                       | 57.1 | 57.6 | 58.5 | 58.6 | 58.6  | 58.9 | 58.9  | 58.9 | 58.9 | 58.9 | 58.9  | 58.9 | 58.9  | 58.9 | 58.9 |
| ≥ 18000         | 41.3                       | 57.3 | 57.8 | 58.6 | 58.7 | 58.7  | 59.0 | 59.0  | 59.0 | 59.0 | 59.0 | 59.0  | 59.0 | 59.0  | 59.0 | 59.0 |
| ≥ 16000         | 41.3                       | 57.3 | 57.8 | 58.6 | 58.7 | 58.7  | 59.0 | 59.0  | 59.0 | 59.0 | 59.0 | 59.0  | 59.0 | 59.0  | 59.0 | 59.0 |
| ≥ 14000         | 41.9                       | 57.9 | 58.5 | 59.4 | 59.5 | 59.5  | 59.7 | 59.7  | 59.7 | 59.7 | 59.7 | 59.7  | 59.7 | 59.7  | 59.7 | 59.7 |
| ≥ 12000         | 42.6                       | 58.6 | 59.2 | 60.1 | 60.2 | 60.2  | 60.5 | 60.5  | 60.5 | 60.5 | 60.5 | 60.5  | 60.5 | 60.5  | 60.5 | 60.5 |
| ≥ 10000         | 43.1                       | 59.5 | 60.1 | 61.0 | 61.1 | 61.1  | 61.3 | 61.3  | 61.3 | 61.3 | 61.3 | 61.3  | 61.3 | 61.3  | 61.3 | 61.3 |
| ≥ 9000          | 43.1                       | 59.5 | 60.1 | 61.0 | 61.1 | 61.1  | 61.3 | 61.3  | 61.3 | 61.3 | 61.3 | 61.3  | 61.3 | 61.3  | 61.3 | 61.3 |
| ≥ 8000          | 43.1                       | 59.5 | 60.1 | 61.0 | 61.1 | 61.1  | 61.3 | 61.3  | 61.3 | 61.3 | 61.3 | 61.3  | 61.3 | 61.3  | 61.3 | 61.3 |
| ≥ 7000          | 43.5                       | 59.9 | 60.5 | 61.3 | 61.5 | 61.5  | 61.7 | 61.7  | 61.7 | 61.7 | 61.7 | 61.7  | 61.7 | 61.7  | 61.7 | 61.7 |
| ≥ 6000          | 43.7                       | 60.1 | 60.7 | 61.6 | 61.7 | 61.7  | 61.9 | 61.9  | 61.9 | 61.9 | 61.9 | 61.9  | 61.9 | 61.9  | 61.9 | 61.9 |
| ≥ 5000          | 43.7                       | 60.1 | 60.7 | 61.6 | 61.7 | 61.7  | 61.9 | 61.9  | 61.9 | 61.9 | 61.9 | 61.9  | 61.9 | 61.9  | 61.9 | 61.9 |
| ≥ 4500          | 43.7                       | 60.1 | 60.7 | 61.6 | 61.7 | 61.7  | 61.9 | 61.9  | 61.9 | 61.9 | 61.9 | 61.9  | 61.9 | 61.9  | 61.9 | 61.9 |
| ≥ 4000          | 43.7                       | 60.1 | 60.7 | 61.6 | 61.7 | 61.7  | 61.9 | 61.9  | 61.9 | 61.9 | 61.9 | 61.9  | 61.9 | 61.9  | 61.9 | 61.9 |
| ≥ 3500          | 44.3                       | 60.7 | 61.3 | 62.2 | 62.3 | 62.3  | 62.6 | 62.6  | 62.6 | 62.6 | 62.6 | 62.6  | 62.6 | 62.6  | 62.6 | 62.6 |
| ≥ 3000          | 44.8                       | 61.2 | 61.8 | 62.7 | 62.8 | 62.8  | 63.1 | 63.1  | 63.1 | 63.1 | 63.1 | 63.1  | 63.1 | 63.1  | 63.1 | 63.1 |
| ≥ 2500          | 45.3                       | 61.8 | 62.4 | 63.3 | 63.4 | 63.4  | 63.7 | 63.7  | 63.7 | 63.7 | 63.7 | 63.7  | 63.7 | 63.7  | 63.7 | 63.7 |
| ≥ 2000          | 47.3                       | 64.0 | 64.7 | 65.5 | 65.6 | 65.6  | 65.9 | 65.9  | 65.9 | 65.9 | 65.9 | 65.9  | 65.9 | 65.9  | 65.9 | 65.9 |
| ≥ 1800          | 49.0                       | 65.8 | 66.4 | 67.2 | 67.4 | 67.4  | 67.6 | 67.6  | 67.6 | 67.6 | 67.6 | 67.6  | 67.6 | 67.6  | 67.6 | 67.6 |
| ≥ 1500          | 51.1                       | 69.6 | 70.2 | 71.1 | 71.2 | 71.2  | 71.4 | 71.4  | 71.4 | 71.4 | 71.4 | 71.4  | 71.4 | 71.4  | 71.4 | 71.4 |
| ≥ 1200          | 54.2                       | 75.2 | 75.9 | 76.7 | 76.8 | 76.8  | 77.1 | 77.1  | 77.1 | 77.1 | 77.1 | 77.1  | 77.1 | 77.1  | 77.1 | 77.1 |
| ≥ 1000          | 56.3                       | 81.8 | 82.4 | 83.3 | 83.4 | 83.4  | 83.6 | 83.6  | 83.6 | 83.6 | 83.6 | 83.6  | 83.6 | 83.6  | 83.6 | 83.6 |
| ≥ 900           | 57.1                       | 84.5 | 85.2 | 86.2 | 86.3 | 86.3  | 86.6 | 86.6  | 86.6 | 86.6 | 86.6 | 86.6  | 86.6 | 86.6  | 86.6 | 86.6 |
| ≥ 800           | 57.3                       | 85.7 | 86.5 | 87.6 | 87.7 | 87.7  | 87.9 | 87.9  | 87.9 | 87.9 | 87.9 | 87.9  | 87.9 | 87.9  | 87.9 | 87.9 |
| ≥ 700           | 57.9                       | 87.7 | 89.0 | 90.9 | 91.0 | 91.0  | 91.3 | 91.3  | 91.3 | 91.3 | 91.3 | 91.3  | 91.3 | 91.3  | 91.3 | 91.3 |
| ≥ 600           | 58.1                       | 89.0 | 91.5 | 93.5 | 94.5 | 94.7  | 95.0 | 95.0  | 95.0 | 95.0 | 95.0 | 95.0  | 95.0 | 95.0  | 95.0 | 95.0 |
| ≥ 500           | 58.3                       | 89.9 | 93.6 | 96.7 | 98.0 | 98.3  | 98.5 | 98.5  | 98.5 | 98.5 | 98.5 | 98.5  | 98.5 | 98.5  | 98.5 | 98.5 |
| ≥ 400           | 58.3                       | 89.9 | 93.7 | 96.9 | 98.4 | 98.8  | 99.0 | 99.0  | 99.0 | 99.0 | 99.0 | 99.0  | 99.0 | 99.0  | 99.0 | 99.0 |
| ≥ 300           | 58.3                       | 89.9 | 93.7 | 96.9 | 98.5 | 98.9  | 99.3 | 99.5  | 99.5 | 99.5 | 99.5 | 99.5  | 99.5 | 99.5  | 99.5 | 99.5 |
| ≥ 200           | 58.3                       | 89.9 | 93.7 | 96.9 | 98.5 | 98.9  | 99.3 | 99.5  | 99.5 | 99.5 | 99.5 | 99.5  | 99.5 | 99.5  | 99.5 | 99.5 |
| ≥ 100           | 58.3                       | 89.9 | 93.7 | 96.9 | 98.5 | 98.9  | 99.3 | 99.6  | 99.6 | 99.6 | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6 |
| ≥ 0             | 58.3                       | 89.9 | 93.7 | 96.9 | 98.5 | 98.9  | 99.3 | 99.6  | 99.6 | 99.6 | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6 |

TOTAL NUMBER OF OBSERVATIONS

812



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-76

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |       |      |       |      |      |      |       |      |       |       |       |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|------|------|------|-------|------|-------|-------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ .5 | ≥ .3 | ≥ .25 | ≥ .2 | ≥ .15 | ≥ .1  | ≥ .05 |
| NO CEILING      | 38.9                       | 48.3 | 48.6 | 49.4 | 49.4 | 49.4  | 49.4 | 49.4  | 49.4 | 49.4 | 49.4 | 49.4  | 49.4 | 49.4  | 49.4  | 49.4  |
| ≥ 20000         | 39.6                       | 49.4 | 49.9 | 51.0 | 51.0 | 51.0  | 51.0 | 51.1  | 51.1 | 51.1 | 51.1 | 51.1  | 51.1 | 51.1  | 51.1  | 51.1  |
| ≥ 18000         | 39.6                       | 49.4 | 49.9 | 51.0 | 51.0 | 51.0  | 51.0 | 51.1  | 51.1 | 51.1 | 51.1 | 51.1  | 51.1 | 51.1  | 51.1  | 51.1  |
| ≥ 16000         | 39.6                       | 49.4 | 49.9 | 51.0 | 51.0 | 51.0  | 51.0 | 51.1  | 51.1 | 51.1 | 51.1 | 51.1  | 51.1 | 51.1  | 51.1  | 51.1  |
| ≥ 14000         | 39.9                       | 49.7 | 50.1 | 51.2 | 51.2 | 51.2  | 51.2 | 51.4  | 51.4 | 51.4 | 51.4 | 51.4  | 51.4 | 51.4  | 51.4  | 51.4  |
| ≥ 12000         | 40.4                       | 50.4 | 50.8 | 51.9 | 51.9 | 51.9  | 51.9 | 52.1  | 52.1 | 52.1 | 52.1 | 52.1  | 52.1 | 52.1  | 52.1  | 52.1  |
| ≥ 10000         | 40.4                       | 50.7 | 51.1 | 52.2 | 52.2 | 52.2  | 52.2 | 52.4  | 52.4 | 52.4 | 52.4 | 52.4  | 52.4 | 52.4  | 52.4  | 52.4  |
| ≥ 9000          | 40.7                       | 51.1 | 51.5 | 52.8 | 52.8 | 52.8  | 52.8 | 52.9  | 52.9 | 52.9 | 52.9 | 52.9  | 52.9 | 52.9  | 52.9  | 52.9  |
| ≥ 8000          | 40.7                       | 51.1 | 51.5 | 52.8 | 52.8 | 52.8  | 52.8 | 52.9  | 52.9 | 52.9 | 52.9 | 52.9  | 52.9 | 52.9  | 52.9  | 52.9  |
| ≥ 7000          | 40.9                       | 51.2 | 51.7 | 52.9 | 52.9 | 52.9  | 52.9 | 53.0  | 53.0 | 53.0 | 53.0 | 53.0  | 53.0 | 53.0  | 53.0  | 53.0  |
| ≥ 6000          | 41.0                       | 51.4 | 51.8 | 53.0 | 53.0 | 53.0  | 53.0 | 53.2  | 53.2 | 53.2 | 53.2 | 53.2  | 53.2 | 53.2  | 53.2  | 53.2  |
| ≥ 5000          | 41.0                       | 51.4 | 51.8 | 53.0 | 53.0 | 53.0  | 53.0 | 53.2  | 53.2 | 53.2 | 53.2 | 53.2  | 53.2 | 53.2  | 53.2  | 53.2  |
| ≥ 4500          | 41.0                       | 51.4 | 51.8 | 53.0 | 53.0 | 53.0  | 53.0 | 53.2  | 53.2 | 53.2 | 53.2 | 53.2  | 53.2 | 53.2  | 53.2  | 53.2  |
| ≥ 4000          | 41.0                       | 51.4 | 51.8 | 53.0 | 53.0 | 53.0  | 53.0 | 53.2  | 53.2 | 53.2 | 53.2 | 53.2  | 53.2 | 53.2  | 53.2  | 53.2  |
| ≥ 3500          | 41.4                       | 51.8 | 52.2 | 53.5 | 53.5 | 53.5  | 53.5 | 53.6  | 53.6 | 53.6 | 53.6 | 53.6  | 53.6 | 53.6  | 53.6  | 53.6  |
| ≥ 3000          | 41.8                       | 52.2 | 52.6 | 53.9 | 53.9 | 53.9  | 53.9 | 54.0  | 54.0 | 54.0 | 54.0 | 54.0  | 54.0 | 54.0  | 54.0  | 54.0  |
| ≥ 2500          | 42.2                       | 52.6 | 53.0 | 54.3 | 54.3 | 54.3  | 54.3 | 54.4  | 54.4 | 54.4 | 54.4 | 54.4  | 54.4 | 54.4  | 54.4  | 54.4  |
| ≥ 2000          | 44.2                       | 54.6 | 55.0 | 56.2 | 56.2 | 56.2  | 56.2 | 56.4  | 56.4 | 56.4 | 56.4 | 56.4  | 56.4 | 56.4  | 56.4  | 56.4  |
| ≥ 1800          | 44.7                       | 55.1 | 55.5 | 56.8 | 56.8 | 56.8  | 56.8 | 56.9  | 56.9 | 56.9 | 56.9 | 56.9  | 56.9 | 56.9  | 56.9  | 56.9  |
| ≥ 1500          | 47.1                       | 57.9 | 58.4 | 59.7 | 59.7 | 59.7  | 59.7 | 59.8  | 59.8 | 59.8 | 59.8 | 59.8  | 59.8 | 59.8  | 59.8  | 59.8  |
| ≥ 1200          | 51.9                       | 65.2 | 65.8 | 67.0 | 67.0 | 67.0  | 67.0 | 67.2  | 67.2 | 67.2 | 67.2 | 67.2  | 67.2 | 67.2  | 67.2  | 67.2  |
| ≥ 1000          | 54.4                       | 72.2 | 72.9 | 74.1 | 74.1 | 74.1  | 74.1 | 74.2  | 74.2 | 74.2 | 74.2 | 74.2  | 74.2 | 74.2  | 74.2  | 74.2  |
| ≥ 900           | 55.4                       | 75.7 | 76.0 | 77.4 | 77.6 | 77.6  | 77.6 | 77.7  | 77.7 | 77.7 | 77.7 | 77.7  | 77.7 | 77.7  | 77.7  | 77.7  |
| ≥ 800           | 56.6                       | 77.8 | 78.7 | 80.3 | 80.5 | 80.5  | 80.5 | 80.6  | 80.6 | 80.6 | 80.6 | 80.6  | 80.6 | 80.6  | 80.6  | 80.6  |
| ≥ 700           | 57.3                       | 80.6 | 81.7 | 84.1 | 84.2 | 84.2  | 84.2 | 84.3  | 84.3 | 84.3 | 84.3 | 84.3  | 84.3 | 84.3  | 84.3  | 84.3  |
| ≥ 600           | 57.8                       | 83.0 | 84.8 | 88.0 | 88.9 | 89.1  | 89.2 | 89.3  | 89.3 | 89.3 | 89.3 | 89.3  | 89.3 | 89.3  | 89.3  | 89.3  |
| ≥ 500           | 57.9                       | 84.8 | 87.4 | 92.4 | 93.6 | 93.8  | 94.2 | 94.3  | 94.3 | 94.3 | 94.3 | 94.3  | 94.3 | 94.3  | 94.3  | 94.3  |
| ≥ 400           | 57.9                       | 84.9 | 88.1 | 94.3 | 95.6 | 95.8  | 96.5 | 97.0  | 97.1 | 97.2 | 97.2 | 97.2  | 97.2 | 97.2  | 97.2  | 97.2  |
| ≥ 300           | 58.0                       | 85.0 | 88.2 | 94.6 | 96.0 | 96.5  | 97.4 | 98.2  | 98.3 | 98.6 | 98.9 | 99.0  | 99.0 | 99.0  | 99.0  | 99.0  |
| ≥ 200           | 58.0                       | 85.0 | 88.2 | 94.6 | 96.1 | 96.8  | 97.6 | 98.5  | 98.6 | 98.9 | 99.2 | 99.3  | 99.6 | 99.6  | 99.9  | 99.9  |
| ≥ 100           | 58.0                       | 85.0 | 88.2 | 94.6 | 96.1 | 96.8  | 97.6 | 98.5  | 98.6 | 98.9 | 99.2 | 99.3  | 99.7 | 99.7  | 100.0 | 100.0 |
| ≥ 0             | 58.0                       | 85.0 | 88.2 | 94.6 | 96.1 | 96.8  | 97.6 | 98.5  | 98.6 | 98.9 | 99.2 | 99.3  | 99.7 | 99.7  | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

722

USAF ETAC

1-64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/NAAC

# CEILING VERSUS VISIBILITY

93214 VANDENBERG AFB CA

7-70, 73-74

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |      |       |      |       |      |       |       |        |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|-------|--------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ .001 |
| NO CEILING      | 27.6                     | 35.0 | 35.2 | 35.7 | 35.7 | 35.7  | 35.7 | 35.7  | 35.7 | 35.7  | 35.7 | 35.7  | 35.7 | 35.9  | 35.9  | 35.9   |
| ≥ 20000         | 28.1                     | 35.9 | 36.1 | 36.7 | 36.7 | 36.7  | 36.7 | 36.7  | 36.7 | 36.7  | 36.7 | 36.7  | 36.7 | 36.9  | 36.9  | 37.0   |
| 18000           | 28.1                     | 35.9 | 36.1 | 36.7 | 36.7 | 36.7  | 36.7 | 36.7  | 36.7 | 36.7  | 36.7 | 36.7  | 36.7 | 36.9  | 36.9  | 37.0   |
| 16000           | 28.1                     | 35.9 | 36.1 | 36.7 | 36.7 | 36.7  | 36.7 | 36.7  | 36.7 | 36.7  | 36.7 | 36.7  | 36.7 | 36.9  | 36.9  | 37.0   |
| 14000           | 28.1                     | 35.9 | 36.1 | 36.7 | 36.7 | 36.7  | 36.7 | 36.7  | 36.7 | 36.7  | 36.7 | 36.7  | 36.7 | 36.9  | 36.9  | 37.0   |
| 12000           | 28.7                     | 36.5 | 36.7 | 37.2 | 37.2 | 37.2  | 37.2 | 37.2  | 37.2 | 37.2  | 37.2 | 37.2  | 37.2 | 37.4  | 37.4  | 37.6   |
| 10000           | 28.9                     | 36.7 | 36.9 | 37.4 | 37.4 | 37.4  | 37.4 | 37.4  | 37.4 | 37.4  | 37.4 | 37.4  | 37.4 | 37.6  | 37.6  | 37.8   |
| 9000            | 28.9                     | 36.7 | 37.0 | 37.6 | 37.6 | 37.6  | 37.6 | 37.6  | 37.6 | 37.6  | 37.6 | 37.6  | 37.6 | 37.8  | 37.8  | 38.0   |
| 8000            | 28.9                     | 36.7 | 37.0 | 37.6 | 37.6 | 37.6  | 37.6 | 37.6  | 37.6 | 37.6  | 37.6 | 37.6  | 37.6 | 37.8  | 37.8  | 38.0   |
| 7000            | 29.3                     | 37.0 | 37.4 | 38.0 | 38.0 | 38.0  | 38.0 | 38.0  | 38.0 | 38.0  | 38.0 | 38.0  | 38.0 | 38.1  | 38.1  | 38.3   |
| 6000            | 29.4                     | 37.2 | 37.6 | 38.1 | 38.1 | 38.1  | 38.1 | 38.1  | 38.1 | 38.1  | 38.1 | 38.1  | 38.1 | 38.3  | 38.3  | 38.5   |
| 5000            | 29.6                     | 37.4 | 37.8 | 38.3 | 38.3 | 38.3  | 38.3 | 38.3  | 38.3 | 38.3  | 38.3 | 38.3  | 38.3 | 38.5  | 38.5  | 38.7   |
| 4500            | 29.6                     | 37.4 | 37.8 | 38.3 | 38.3 | 38.3  | 38.3 | 38.3  | 38.3 | 38.3  | 38.3 | 38.3  | 38.3 | 38.5  | 38.5  | 38.7   |
| 4000            | 29.6                     | 37.4 | 37.8 | 38.3 | 38.3 | 38.3  | 38.3 | 38.3  | 38.3 | 38.3  | 38.3 | 38.3  | 38.3 | 38.5  | 38.5  | 38.7   |
| 3500            | 30.2                     | 38.0 | 38.3 | 38.9 | 38.9 | 38.9  | 38.9 | 38.9  | 38.9 | 38.9  | 38.9 | 38.9  | 38.9 | 39.1  | 39.1  | 39.3   |
| 3000            | 30.7                     | 38.5 | 38.9 | 39.4 | 39.4 | 39.4  | 39.4 | 39.4  | 39.4 | 39.4  | 39.4 | 39.4  | 39.4 | 39.6  | 39.6  | 39.8   |
| 2500            | 31.7                     | 39.4 | 39.8 | 40.4 | 40.4 | 40.4  | 40.4 | 40.4  | 40.4 | 40.4  | 40.4 | 40.4  | 40.4 | 40.6  | 40.6  | 40.7   |
| 2000            | 33.3                     | 42.2 | 42.6 | 43.1 | 43.1 | 43.1  | 43.1 | 43.1  | 43.1 | 43.1  | 43.1 | 43.1  | 43.1 | 43.3  | 43.3  | 43.5   |
| 1800            | 33.7                     | 42.8 | 43.1 | 43.7 | 43.7 | 43.7  | 43.7 | 43.7  | 43.7 | 43.7  | 43.7 | 43.7  | 43.7 | 43.9  | 43.9  | 44.1   |
| 1500            | 35.6                     | 45.2 | 45.6 | 46.1 | 46.1 | 46.1  | 46.1 | 46.1  | 46.1 | 46.1  | 46.1 | 46.1  | 46.1 | 46.3  | 46.3  | 46.5   |
| 1200            | 38.3                     | 50.4 | 50.7 | 51.3 | 51.3 | 51.3  | 51.3 | 51.3  | 51.3 | 51.3  | 51.3 | 51.3  | 51.3 | 51.5  | 51.5  | 51.7   |
| 1000            | 40.0                     | 54.6 | 55.0 | 55.6 | 55.6 | 55.6  | 55.6 | 55.6  | 55.6 | 55.6  | 55.6 | 55.6  | 55.6 | 55.7  | 55.7  | 55.9   |
| 900             | 40.9                     | 57.2 | 57.6 | 58.1 | 58.1 | 58.1  | 58.1 | 58.1  | 58.1 | 58.1  | 58.1 | 58.1  | 58.1 | 58.3  | 58.3  | 58.5   |
| 800             | 41.5                     | 59.8 | 60.2 | 60.7 | 60.7 | 60.7  | 60.7 | 60.7  | 60.7 | 60.7  | 60.7 | 60.7  | 60.7 | 60.9  | 60.9  | 61.1   |
| 700             | 42.4                     | 63.0 | 63.5 | 64.4 | 64.4 | 64.4  | 64.4 | 64.4  | 64.4 | 64.4  | 64.4 | 64.4  | 64.4 | 64.6  | 64.6  | 64.8   |
| 600             | 44.1                     | 66.7 | 67.8 | 68.9 | 68.9 | 68.9  | 68.9 | 68.9  | 68.9 | 68.9  | 68.9 | 68.9  | 68.9 | 69.1  | 69.1  | 69.3   |
| 500             | 44.6                     | 70.7 | 72.4 | 74.3 | 74.6 | 74.6  | 74.6 | 74.6  | 74.8 | 74.8  | 74.8 | 74.8  | 74.8 | 75.0  | 75.0  | 75.2   |
| 400             | 44.8                     | 72.0 | 75.9 | 79.1 | 80.2 | 80.7  | 81.1 | 81.9  | 81.9 | 81.9  | 81.9 | 81.9  | 81.9 | 82.0  | 82.0  | 82.2   |
| 300             | 44.8                     | 72.2 | 76.3 | 80.4 | 82.2 | 83.0  | 84.1 | 85.6  | 85.7 | 86.5  | 87.4 | 87.4  | 87.4 | 88.0  | 88.0  | 88.3   |
| 200             | 44.8                     | 72.2 | 76.5 | 80.7 | 82.6 | 83.3  | 84.4 | 87.2  | 87.6 | 88.7  | 90.6 | 90.9  | 92.6 | 93.3  | 95.0  | 95.9   |
| 100             | 44.8                     | 72.2 | 76.5 | 80.7 | 82.8 | 83.5  | 84.6 | 87.4  | 87.8 | 88.9  | 90.9 | 91.3  | 93.1 | 94.1  | 97.2  | 100.0  |
| 0               | 44.8                     | 72.2 | 76.5 | 80.7 | 82.8 | 83.5  | 84.6 | 87.4  | 87.8 | 88.9  | 90.9 | 91.3  | 93.1 | 94.1  | 97.2  | 100.0  |

TOTAL NUMBER OF OBSERVATIONS

540

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-74, 78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1   |
| ≥ 2000          | 20.9                     | 31.9 | 32.1 | 32.5 | 32.7 | 32.7 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 | 33.3 | 33.7  |
| ≥ 1800          | 21.1                     | 32.3 | 32.5 | 32.9 | 33.3 | 33.3 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.9 | 34.2  |
| ≥ 1600          | 21.1                     | 32.3 | 32.5 | 32.9 | 33.3 | 33.3 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.9 | 34.2  |
| ≥ 1400          | 21.1                     | 32.3 | 32.5 | 32.9 | 33.3 | 33.3 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.9 | 34.2  |
| ≥ 1200          | 21.1                     | 32.3 | 32.5 | 32.9 | 33.3 | 33.3 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.9 | 34.2  |
| ≥ 1000          | 21.3                     | 32.5 | 32.7 | 33.1 | 33.5 | 33.5 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 34.1 | 34.4  |
| ≥ 900           | 21.3                     | 32.5 | 32.7 | 33.1 | 33.5 | 33.5 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 34.1 | 34.4  |
| ≥ 800           | 21.3                     | 32.5 | 32.7 | 33.1 | 33.5 | 33.5 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 34.1 | 34.4  |
| ≥ 700           | 21.9                     | 33.1 | 33.3 | 33.7 | 34.1 | 34.1 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.6 | 35.0  |
| ≥ 600           | 21.9                     | 33.1 | 33.3 | 33.7 | 34.1 | 34.1 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.6 | 35.0  |
| ≥ 500           | 21.9                     | 33.1 | 33.3 | 33.7 | 34.1 | 34.1 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.6 | 35.0  |
| ≥ 450           | 21.9                     | 33.1 | 33.3 | 33.7 | 34.1 | 34.1 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.6 | 35.0  |
| ≥ 400           | 21.9                     | 33.1 | 33.3 | 33.7 | 34.1 | 34.1 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.6 | 35.0  |
| ≥ 350           | 22.1                     | 33.7 | 33.9 | 34.2 | 34.6 | 34.6 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.2 | 35.6  |
| ≥ 300           | 22.3                     | 33.9 | 34.1 | 34.4 | 34.8 | 34.8 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.4 | 35.8  |
| ≥ 250           | 23.1                     | 34.6 | 34.8 | 35.2 | 35.6 | 35.6 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.2 | 36.6  |
| ≥ 200           | 24.9                     | 37.6 | 37.8 | 38.2 | 38.6 | 38.6 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.2 | 39.6  |
| ≥ 180           | 25.4                     | 39.1 | 39.3 | 39.7 | 40.1 | 40.1 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.7 | 41.1  |
| ≥ 160           | 27.0                     | 42.1 | 42.3 | 42.7 | 43.1 | 43.1 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.6 | 44.0  |
| ≥ 140           | 28.4                     | 47.9 | 48.1 | 48.5 | 48.9 | 48.9 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.5 | 49.9  |
| ≥ 120           | 29.2                     | 50.9 | 51.1 | 51.5 | 51.9 | 51.9 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.4 | 52.8  |
| ≥ 100           | 29.4                     | 52.4 | 52.6 | 53.0 | 53.4 | 53.4 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 54.0 | 54.4  |
| ≥ 80            | 29.5                     | 55.0 | 55.2 | 55.6 | 56.0 | 56.0 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.6 | 57.0  |
| ≥ 60            | 30.1                     | 56.6 | 56.8 | 57.1 | 57.5 | 57.5 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 58.1 | 58.5  |
| ≥ 40            | 30.7                     | 60.3 | 60.5 | 60.9 | 61.3 | 61.3 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.8 | 62.2  |
| ≥ 30            | 30.9                     | 64.4 | 65.0 | 65.9 | 66.3 | 66.3 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.9 | 67.3  |
| ≥ 20            | 31.5                     | 66.3 | 68.7 | 70.3 | 70.6 | 71.0 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.6 | 72.0  |
| ≥ 10            | 31.5                     | 67.1 | 69.7 | 72.6 | 73.6 | 74.0 | 74.4 | 75.1 | 75.1 | 75.3 | 75.5 | 75.5 | 75.5 | 75.5 | 75.7 | 76.1  |
| ≥ 5             | 31.5                     | 67.1 | 69.7 | 73.6 | 75.7 | 76.7 | 77.9 | 80.2 | 80.6 | 81.6 | 82.0 | 82.6 | 83.0 | 84.1 | 88.1 | 91.4  |
| ≥ 0             | 31.5                     | 67.1 | 69.7 | 73.6 | 75.9 | 76.9 | 78.3 | 81.2 | 81.6 | 83.0 | 83.0 | 84.1 | 84.5 | 86.3 | 93.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

511

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/4AC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

JUL 68

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                 | ≥10                      | ≥6   | ≥5   | ≥4   | ≥3   | ≥2   | ≥2   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   |
| NO CEILING      | 26.6                     | 36.8 | 37.2 | 37.8 | 37.9 | 38.0 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.2 | 38.2 | 38.2 | 38.3 | 38.4 |
| ≥2000           | 27.1                     | 37.7 | 38.2 | 38.7 | 38.9 | 39.0 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.2 | 39.2 | 39.3 | 39.3 | 39.4 |
| ≥1800           | 27.2                     | 37.7 | 38.2 | 38.8 | 38.9 | 39.0 | 39.1 | 39.1 | 39.1 | 39.2 | 39.2 | 39.2 | 39.2 | 39.3 | 39.3 | 39.4 |
| ≥1600           | 27.2                     | 37.7 | 38.2 | 38.8 | 38.9 | 39.0 | 39.1 | 39.1 | 39.1 | 39.2 | 39.2 | 39.2 | 39.2 | 39.3 | 39.3 | 39.4 |
| ≥1400           | 27.3                     | 37.9 | 38.4 | 39.0 | 39.2 | 39.2 | 39.2 | 39.3 | 39.3 | 39.4 | 39.4 | 39.4 | 39.4 | 39.5 | 39.5 | 39.6 |
| ≥1200           | 27.7                     | 38.2 | 38.8 | 39.4 | 39.5 | 39.6 | 39.7 | 39.7 | 39.7 | 39.8 | 39.8 | 39.8 | 39.8 | 39.9 | 39.9 | 40.0 |
| ≥1000           | 27.9                     | 38.5 | 39.0 | 39.7 | 39.8 | 39.9 | 40.0 | 40.0 | 40.0 | 40.1 | 40.1 | 40.2 | 40.2 | 40.2 | 40.3 | 40.4 |
| ≥900            | 27.9                     | 38.6 | 39.1 | 39.8 | 39.9 | 40.0 | 40.1 | 40.1 | 40.1 | 40.2 | 40.2 | 40.2 | 40.3 | 40.3 | 40.4 | 40.5 |
| ≥800            | 27.9                     | 38.6 | 39.2 | 39.8 | 40.0 | 40.0 | 40.1 | 40.2 | 40.2 | 40.2 | 40.2 | 40.3 | 40.3 | 40.3 | 40.4 | 40.5 |
| ≥700            | 28.1                     | 38.8 | 39.3 | 40.0 | 40.2 | 40.2 | 40.3 | 40.3 | 40.3 | 40.4 | 40.4 | 40.4 | 40.5 | 40.5 | 40.6 | 40.7 |
| ≥600            | 28.1                     | 39.0 | 39.5 | 40.2 | 40.4 | 40.4 | 40.5 | 40.5 | 40.5 | 40.6 | 40.6 | 40.6 | 40.7 | 40.7 | 40.8 | 40.9 |
| ≥500            | 28.2                     | 39.0 | 39.6 | 40.2 | 40.4 | 40.4 | 40.5 | 40.5 | 40.6 | 40.6 | 40.6 | 40.7 | 40.7 | 40.7 | 40.8 | 40.9 |
| ≥450            | 28.4                     | 39.1 | 39.7 | 40.3 | 40.5 | 40.5 | 40.6 | 40.7 | 40.7 | 40.7 | 40.7 | 40.8 | 40.8 | 40.8 | 40.9 | 41.0 |
| ≥400            | 28.4                     | 39.1 | 39.7 | 40.3 | 40.5 | 40.5 | 40.6 | 40.7 | 40.7 | 40.7 | 40.7 | 40.8 | 40.8 | 40.8 | 40.9 | 41.0 |
| ≥350            | 28.7                     | 39.5 | 40.0 | 40.7 | 40.9 | 40.9 | 41.0 | 41.0 | 41.0 | 41.1 | 41.1 | 41.2 | 41.2 | 41.2 | 41.3 | 41.4 |
| ≥300            | 29.2                     | 40.0 | 40.5 | 41.2 | 41.3 | 41.4 | 41.5 | 41.5 | 41.5 | 41.6 | 41.6 | 41.7 | 41.7 | 41.7 | 41.8 | 41.9 |
| ≥250            | 29.9                     | 40.9 | 41.4 | 42.1 | 42.2 | 42.3 | 42.4 | 42.4 | 42.4 | 42.5 | 42.5 | 42.5 | 42.6 | 42.6 | 42.6 | 42.7 |
| ≥200            | 32.0                     | 43.7 | 44.2 | 44.9 | 45.1 | 45.1 | 45.2 | 45.3 | 45.3 | 45.3 | 45.4 | 45.4 | 45.4 | 45.5 | 45.5 | 45.6 |
| ≥1800           | 33.4                     | 45.6 | 46.2 | 46.8 | 47.0 | 47.0 | 47.2 | 47.2 | 47.2 | 47.2 | 47.3 | 47.3 | 47.3 | 47.4 | 47.4 | 47.5 |
| ≥1600           | 35.6                     | 48.9 | 49.5 | 50.2 | 50.3 | 50.4 | 50.5 | 50.5 | 50.5 | 50.6 | 50.6 | 50.6 | 50.7 | 50.7 | 50.8 | 50.9 |
| ≥1400           | 38.1                     | 54.7 | 54.9 | 55.6 | 55.8 | 55.9 | 56.0 | 56.0 | 56.0 | 56.1 | 56.1 | 56.2 | 56.2 | 56.2 | 56.3 | 56.4 |
| ≥1200           | 39.6                     | 58.7 | 59.6 | 60.5 | 60.7 | 60.7 | 60.9 | 60.9 | 60.9 | 60.9 | 61.0 | 61.0 | 61.1 | 61.1 | 61.2 | 61.3 |
| ≥1000           | 40.2                     | 61.1 | 62.1 | 63.0 | 63.3 | 63.3 | 63.5 | 63.5 | 63.5 | 63.6 | 63.6 | 63.7 | 63.7 | 63.7 | 63.8 | 63.9 |
| ≥900            | 40.7                     | 63.1 | 64.2 | 65.3 | 65.6 | 65.6 | 65.7 | 65.8 | 65.8 | 65.8 | 65.8 | 65.9 | 65.9 | 66.0 | 66.0 | 66.1 |
| ≥800            | 41.1                     | 65.3 | 66.6 | 68.3 | 68.6 | 68.7 | 68.8 | 68.8 | 68.8 | 68.9 | 69.0 | 69.0 | 69.0 | 69.1 | 69.1 | 69.2 |
| ≥700            | 41.5                     | 67.7 | 69.7 | 71.7 | 72.3 | 72.5 | 72.6 | 72.7 | 72.7 | 72.7 | 72.8 | 72.9 | 72.9 | 73.0 | 73.1 | 73.2 |
| ≥600            | 41.8                     | 70.1 | 72.7 | 75.9 | 77.0 | 77.3 | 77.6 | 77.8 | 77.8 | 77.9 | 78.0 | 78.0 | 78.1 | 78.1 | 78.2 | 78.3 |
| ≥500            | 41.8                     | 70.9 | 74.2 | 78.6 | 80.3 | 80.8 | 81.5 | 81.9 | 82.0 | 82.2 | 82.3 | 82.4 | 82.4 | 82.5 | 82.5 | 82.6 |
| ≥450            | 41.9                     | 71.4 | 74.8 | 79.9 | 82.2 | 83.1 | 84.1 | 85.2 | 85.4 | 85.9 | 86.4 | 86.6 | 86.9 | 87.0 | 87.3 | 87.5 |
| ≥400            | 41.9                     | 71.4 | 74.8 | 80.2 | 82.8 | 83.8 | 85.1 | 86.8 | 87.2 | 88.0 | 88.8 | 89.4 | 90.0 | 90.5 | 92.5 | 94.2 |
| ≥350            | 41.9                     | 71.4 | 74.8 | 80.3 | 82.9 | 83.9 | 85.3 | 87.2 | 87.6 | 88.5 | 89.5 | 90.1 | 90.9 | 91.6 | 95.2 | 99.9 |
| ≥300            | 41.9                     | 71.4 | 74.8 | 80.3 | 82.9 | 83.9 | 85.3 | 87.2 | 87.6 | 88.5 | 89.5 | 90.1 | 90.9 | 91.6 | 95.2 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS

5017

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70,73

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |       |      |       |        |       |        |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|--------|-------|--------|
|                 | ≥10                      | ≥6   | ≥5   | ≥4   | ≥3   | ≥2.5 | ≥2   | ≥1.5 | ≥1   | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0.005 |
| NO CEILING      | 9.9                      | 18.7 | 19.8 | 20.0 | 20.2 | 20.2 | 20.2 | 20.6 | 20.6 | 20.6 | 20.6  | 20.6 | 20.6  | 21.1   | 21.1  | 21.3   |
| ≥ 20000         | 9.9                      | 18.7 | 19.8 | 20.0 | 20.2 | 20.2 | 20.2 | 20.6 | 20.6 | 20.6 | 20.6  | 20.6 | 20.6  | 21.1   | 21.1  | 21.3   |
| ≥ 18000         | 9.9                      | 18.7 | 19.8 | 20.0 | 20.2 | 20.2 | 20.2 | 20.6 | 20.6 | 20.6 | 20.6  | 20.6 | 20.6  | 21.1   | 21.1  | 21.3   |
| ≥ 16000         | 9.9                      | 18.7 | 19.8 | 20.0 | 20.2 | 20.2 | 20.2 | 20.6 | 20.6 | 20.6 | 20.6  | 20.6 | 20.6  | 21.1   | 21.1  | 21.3   |
| ≥ 14000         | 9.9                      | 18.7 | 19.8 | 20.0 | 20.2 | 20.2 | 20.2 | 20.6 | 20.6 | 20.6 | 20.6  | 20.6 | 20.6  | 21.1   | 21.1  | 21.3   |
| ≥ 12000         | 9.9                      | 18.7 | 19.8 | 20.0 | 20.2 | 20.2 | 20.2 | 20.6 | 20.6 | 20.6 | 20.6  | 20.6 | 20.6  | 21.1   | 21.1  | 21.3   |
| ≥ 10000         | 9.9                      | 18.7 | 19.8 | 20.0 | 20.2 | 20.2 | 20.2 | 20.6 | 20.6 | 20.6 | 20.6  | 20.6 | 20.6  | 21.1   | 21.1  | 21.3   |
| ≥ 9000          | 9.9                      | 18.7 | 19.8 | 20.0 | 20.2 | 20.2 | 20.2 | 20.6 | 20.6 | 20.6 | 20.6  | 20.6 | 20.6  | 21.1   | 21.1  | 21.3   |
| ≥ 8000          | 9.9                      | 18.7 | 19.8 | 20.0 | 20.2 | 20.2 | 20.2 | 20.6 | 20.6 | 20.6 | 20.6  | 20.6 | 20.6  | 21.1   | 21.1  | 21.3   |
| ≥ 7000          | 9.9                      | 18.7 | 19.8 | 20.0 | 20.2 | 20.2 | 20.2 | 20.6 | 20.6 | 20.6 | 20.6  | 20.6 | 20.6  | 21.1   | 21.1  | 21.3   |
| ≥ 6000          | 9.9                      | 18.7 | 19.8 | 20.0 | 20.2 | 20.2 | 20.2 | 20.6 | 20.6 | 20.6 | 20.6  | 20.6 | 20.6  | 21.1   | 21.1  | 21.3   |
| ≥ 5000          | 9.9                      | 18.7 | 19.8 | 20.0 | 20.2 | 20.2 | 20.2 | 20.6 | 20.6 | 20.6 | 20.6  | 20.6 | 20.6  | 21.1   | 21.1  | 21.3   |
| ≥ 4500          | 9.9                      | 18.7 | 19.8 | 20.0 | 20.2 | 20.2 | 20.2 | 20.6 | 20.6 | 20.6 | 20.6  | 20.6 | 20.6  | 21.1   | 21.1  | 21.3   |
| ≥ 4000          | 9.9                      | 18.7 | 19.8 | 20.0 | 20.2 | 20.2 | 20.2 | 20.6 | 20.6 | 20.6 | 20.6  | 20.6 | 20.6  | 21.1   | 21.1  | 21.3   |
| ≥ 3500          | 9.9                      | 18.7 | 19.8 | 20.0 | 20.2 | 20.2 | 20.2 | 20.6 | 20.6 | 20.6 | 20.6  | 20.6 | 20.6  | 21.1   | 21.1  | 21.3   |
| ≥ 3000          | 9.9                      | 18.7 | 19.8 | 20.0 | 20.2 | 20.2 | 20.2 | 20.6 | 20.6 | 20.6 | 20.6  | 20.6 | 20.6  | 21.1   | 21.1  | 21.3   |
| ≥ 2500          | 9.9                      | 18.7 | 19.8 | 20.0 | 20.2 | 20.2 | 20.2 | 20.6 | 20.6 | 20.6 | 20.6  | 20.6 | 20.6  | 21.1   | 21.1  | 21.3   |
| ≥ 2000          | 9.9                      | 18.7 | 19.8 | 20.0 | 20.2 | 20.2 | 20.2 | 20.6 | 20.6 | 20.6 | 20.6  | 20.6 | 20.6  | 21.1   | 21.1  | 21.3   |
| ≥ 1800          | 9.9                      | 18.7 | 19.8 | 20.0 | 20.2 | 20.2 | 20.2 | 20.6 | 20.6 | 20.6 | 20.6  | 20.6 | 20.6  | 21.1   | 21.1  | 21.3   |
| ≥ 1500          | 9.9                      | 18.7 | 19.8 | 20.0 | 20.2 | 20.2 | 20.2 | 20.6 | 20.6 | 20.6 | 20.6  | 20.6 | 20.6  | 21.1   | 21.1  | 21.3   |
| ≥ 1200          | 9.9                      | 18.7 | 19.8 | 20.0 | 20.2 | 20.2 | 20.2 | 20.6 | 20.6 | 20.6 | 20.6  | 20.6 | 20.6  | 21.1   | 21.1  | 21.3   |
| ≥ 1000          | 10.1                     | 18.9 | 20.0 | 20.2 | 20.4 | 20.4 | 20.4 | 20.9 | 20.9 | 20.9 | 20.9  | 20.9 | 20.9  | 21.3   | 21.3  | 21.3   |
| ≥ 900           | 10.1                     | 19.6 | 20.6 | 20.9 | 21.1 | 21.1 | 21.1 | 21.5 | 21.5 | 21.5 | 21.5  | 21.5 | 21.5  | 21.9   | 21.9  | 22.2   |
| ≥ 800           | 10.1                     | 20.9 | 21.9 | 22.2 | 22.4 | 22.4 | 22.4 | 22.8 | 22.8 | 22.8 | 22.8  | 22.8 | 22.8  | 23.2   | 23.2  | 23.4   |
| ≥ 700           | 10.1                     | 22.4 | 23.4 | 23.7 | 23.9 | 23.9 | 23.9 | 24.3 | 24.3 | 24.3 | 24.3  | 24.3 | 24.3  | 24.7   | 24.7  | 24.9   |
| ≥ 600           | 10.1                     | 23.7 | 24.7 | 24.9 | 25.2 | 25.2 | 25.2 | 25.6 | 25.6 | 25.6 | 25.6  | 25.6 | 25.6  | 26.0   | 26.0  | 26.2   |
| ≥ 500           | 10.8                     | 26.2 | 27.5 | 27.7 | 28.0 | 28.0 | 28.0 | 28.4 | 28.4 | 28.4 | 28.4  | 28.4 | 28.4  | 28.8   | 28.8  | 29.0   |
| ≥ 400           | 11.0                     | 28.7 | 30.8 | 34.0 | 35.1 | 35.7 | 35.9 | 36.6 | 36.6 | 36.6 | 36.6  | 36.6 | 36.6  | 37.0   | 37.0  | 37.2   |
| ≥ 300           | 11.0                     | 30.8 | 34.4 | 40.0 | 42.6 | 43.9 | 44.3 | 45.4 | 45.4 | 45.4 | 45.4  | 45.4 | 45.4  | 46.5   | 46.5  | 46.9   |
| ≥ 200           | 11.0                     | 30.8 | 34.4 | 41.9 | 46.2 | 49.0 | 51.4 | 54.6 | 54.6 | 55.5 | 57.2  | 57.4 | 59.1  | 59.1   | 64.3  | 66.5   |
| ≥ 100           | 11.0                     | 30.8 | 34.4 | 41.9 | 46.7 | 49.9 | 53.1 | 56.3 | 56.8 | 58.9 | 61.1  | 61.7 | 65.2  | 65.6   | 78.7  | 98.1   |
| ≥ 0             | 11.0                     | 30.8 | 34.4 | 41.9 | 46.7 | 49.9 | 53.1 | 56.3 | 56.8 | 58.9 | 61.1  | 61.7 | 65.4  | 65.8   | 78.9  | 100.0  |

TOTAL NUMBER OF OBSERVATIONS

405

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70-73

YEARS

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 | ≥10                        | ≥6   | ≥5   | ≥4   | ≥3   | ≥2   | ≥2   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1    |
| NO CEILING      | 7.3                        | 12.7 | 12.3 | 12.7 | 13.5 | 13.5 | 14.0 | 14.0 | 14.0 | 14.4 | 14.6 | 14.6 | 14.6 | 14.6 | 15.5 | 16.6  |
| ≥ 20000         | 7.3                        | 12.5 | 12.5 | 12.9 | 13.8 | 13.8 | 14.2 | 14.2 | 14.2 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | 15.7 | 16.8  |
| ≥ 18000         | 7.5                        | 12.7 | 12.7 | 13.1 | 14.0 | 14.0 | 14.4 | 14.4 | 14.4 | 14.8 | 15.1 | 15.1 | 15.1 | 15.1 | 15.4 | 17.0  |
| ≥ 16000         | 7.5                        | 12.7 | 12.9 | 13.3 | 14.2 | 14.2 | 14.6 | 14.6 | 14.6 | 15.1 | 15.3 | 15.3 | 15.3 | 15.3 | 16.1 | 17.2  |
| ≥ 14000         | 7.5                        | 12.7 | 12.9 | 13.3 | 14.4 | 14.4 | 14.8 | 14.8 | 14.8 | 15.3 | 15.5 | 15.5 | 15.5 | 15.5 | 16.4 | 17.4  |
| ≥ 12000         | 7.5                        | 12.7 | 12.9 | 13.3 | 14.4 | 14.4 | 14.8 | 14.8 | 14.8 | 15.3 | 15.5 | 15.5 | 15.5 | 15.5 | 16.4 | 17.4  |
| ≥ 10000         | 7.5                        | 12.7 | 12.9 | 13.3 | 14.4 | 14.4 | 14.8 | 14.8 | 14.8 | 15.3 | 15.5 | 15.5 | 15.5 | 15.5 | 16.3 | 17.4  |
| ≥ 9000          | 7.5                        | 12.7 | 12.9 | 13.3 | 14.4 | 14.4 | 14.8 | 14.8 | 14.8 | 15.3 | 15.5 | 15.5 | 15.5 | 15.5 | 16.3 | 17.4  |
| ≥ 8000          | 7.5                        | 12.7 | 12.9 | 13.3 | 14.4 | 14.4 | 14.8 | 14.8 | 14.8 | 15.3 | 15.5 | 15.5 | 15.5 | 15.5 | 16.3 | 17.4  |
| ≥ 7000          | 7.5                        | 12.7 | 12.9 | 13.3 | 14.4 | 14.4 | 14.8 | 14.8 | 14.8 | 15.3 | 15.5 | 15.5 | 15.5 | 15.5 | 16.3 | 17.4  |
| ≥ 6000          | 7.5                        | 12.7 | 12.9 | 13.3 | 14.4 | 14.4 | 14.8 | 14.8 | 14.8 | 15.3 | 15.5 | 15.5 | 15.5 | 15.5 | 16.3 | 17.4  |
| ≥ 5000          | 7.5                        | 12.7 | 12.9 | 13.3 | 14.4 | 14.4 | 14.8 | 14.8 | 14.8 | 15.3 | 15.5 | 15.5 | 15.5 | 15.5 | 16.3 | 17.4  |
| ≥ 4500          | 7.5                        | 12.7 | 12.9 | 13.3 | 14.4 | 14.4 | 14.8 | 14.8 | 14.8 | 15.3 | 15.5 | 15.5 | 15.5 | 15.5 | 16.3 | 17.4  |
| ≥ 4000          | 7.5                        | 12.7 | 12.9 | 13.3 | 14.4 | 14.4 | 14.8 | 14.8 | 14.8 | 15.3 | 15.5 | 15.5 | 15.5 | 15.5 | 16.3 | 17.4  |
| ≥ 3500          | 7.5                        | 12.7 | 12.9 | 13.3 | 14.4 | 14.4 | 14.8 | 14.8 | 14.8 | 15.3 | 15.5 | 15.5 | 15.5 | 15.5 | 16.3 | 17.4  |
| ≥ 3000          | 7.5                        | 12.7 | 12.9 | 13.3 | 14.4 | 14.4 | 14.8 | 14.8 | 14.8 | 15.3 | 15.5 | 15.5 | 15.5 | 15.5 | 16.3 | 17.4  |
| ≥ 2500          | 7.5                        | 12.7 | 12.9 | 13.3 | 14.4 | 14.4 | 14.8 | 14.8 | 14.8 | 15.3 | 15.5 | 15.5 | 15.5 | 15.5 | 16.3 | 17.4  |
| ≥ 2000          | 8.2                        | 13.3 | 13.5 | 14.0 | 15.1 | 15.1 | 15.5 | 15.5 | 15.5 | 15.9 | 16.1 | 16.1 | 16.1 | 16.1 | 17.0 | 18.1  |
| ≥ 1800          | 8.2                        | 13.3 | 13.5 | 14.0 | 15.1 | 15.1 | 15.5 | 15.5 | 15.5 | 15.9 | 16.1 | 16.1 | 16.1 | 16.1 | 17.0 | 18.1  |
| ≥ 1500          | 8.2                        | 13.3 | 13.5 | 14.0 | 15.1 | 15.1 | 15.5 | 15.5 | 15.5 | 15.9 | 16.1 | 16.1 | 16.1 | 16.1 | 17.0 | 18.1  |
| ≥ 1200          | 8.2                        | 13.3 | 13.5 | 14.0 | 15.1 | 15.1 | 15.5 | 15.5 | 15.5 | 15.9 | 16.1 | 16.1 | 16.1 | 16.1 | 17.0 | 18.1  |
| ≥ 1000          | 8.2                        | 14.2 | 14.4 | 14.8 | 15.9 | 15.9 | 16.3 | 16.3 | 16.3 | 16.8 | 17.0 | 17.0 | 17.0 | 17.0 | 17.8 | 18.9  |
| ≥ 900           | 8.4                        | 15.9 | 16.1 | 16.8 | 17.8 | 17.8 | 18.3 | 18.3 | 18.3 | 18.7 | 18.9 | 18.9 | 18.9 | 18.9 | 19.8 | 20.9  |
| ≥ 800           | 8.4                        | 16.6 | 16.8 | 17.4 | 18.5 | 18.5 | 18.9 | 18.9 | 18.9 | 19.4 | 19.6 | 19.6 | 19.6 | 19.6 | 20.4 | 21.5  |
| ≥ 700           | 8.8                        | 17.8 | 18.1 | 18.7 | 19.8 | 19.8 | 20.2 | 20.2 | 20.2 | 20.6 | 20.9 | 20.9 | 20.9 | 20.9 | 21.7 | 22.8  |
| ≥ 600           | 9.0                        | 18.7 | 18.9 | 19.6 | 20.6 | 20.6 | 21.1 | 21.1 | 21.1 | 21.5 | 21.7 | 21.7 | 21.7 | 21.7 | 22.6 | 23.7  |
| ≥ 500           | 9.2                        | 20.9 | 21.1 | 21.9 | 23.0 | 23.0 | 23.4 | 23.7 | 23.7 | 24.1 | 24.3 | 24.3 | 24.3 | 24.3 | 25.2 | 26.2  |
| ≥ 400           | 9.2                        | 22.6 | 23.4 | 24.9 | 26.2 | 26.2 | 27.3 | 28.2 | 28.2 | 28.6 | 29.0 | 29.0 | 29.0 | 29.0 | 29.9 | 31.0  |
| ≥ 300           | 9.2                        | 23.7 | 24.5 | 28.8 | 31.6 | 31.6 | 34.2 | 36.6 | 36.6 | 37.4 | 38.1 | 38.1 | 38.5 | 38.7 | 39.8 | 41.1  |
| ≥ 200           | 9.2                        | 23.7 | 24.7 | 29.2 | 33.5 | 34.0 | 37.6 | 41.7 | 41.7 | 43.4 | 45.4 | 45.8 | 48.0 | 48.6 | 54.4 | 57.4  |
| ≥ 100           | 9.2                        | 23.7 | 24.7 | 29.7 | 34.2 | 34.6 | 38.5 | 43.9 | 44.9 | 46.9 | 49.7 | 50.1 | 54.2 | 56.1 | 70.1 | 96.6  |
| ≥ 0             | 9.2                        | 23.7 | 24.7 | 29.7 | 34.2 | 34.6 | 38.5 | 43.9 | 44.9 | 46.9 | 49.7 | 50.1 | 54.4 | 56.3 | 70.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

465

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0800

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |       |      |       |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|
|                 | ≥10                        | ≥6   | ≥5   | ≥4   | ≥3   | ≥2.5 | ≥2   | ≥1.5 | ≥1   | ≥.5  | ≥.25 | ≥.1  | ≥.05 | ≥.025 | ≥.01 | ≥.005 |
| NO CEILING      | 9.3                        | 14.8 | 15.2 | 15.7 | 15.9 | 16.0 | 16.3 | 16.6 | 16.6 | 16.7 | 16.9 | 16.9 | 16.9 | 17.1  | 17.6 | 18.4  |
| ≥ 20000         | 9.3                        | 14.8 | 15.2 | 15.7 | 15.9 | 16.0 | 16.3 | 16.6 | 16.6 | 16.7 | 16.9 | 16.9 | 16.9 | 17.1  | 17.6 | 18.4  |
| ≥ 18000         | 9.3                        | 14.8 | 15.2 | 15.9 | 16.0 | 16.2 | 16.4 | 16.7 | 16.7 | 16.9 | 17.0 | 17.0 | 17.0 | 17.3  | 18.0 | 18.5  |
| ≥ 16000         | 9.3                        | 14.8 | 15.2 | 15.9 | 16.0 | 16.2 | 16.4 | 16.7 | 16.7 | 16.9 | 17.0 | 17.0 | 17.0 | 17.3  | 18.0 | 18.5  |
| ≥ 14000         | 9.4                        | 15.1 | 15.5 | 16.2 | 16.3 | 16.4 | 16.7 | 17.1 | 17.1 | 17.3 | 17.4 | 17.4 | 17.4 | 17.7  | 18.4 | 18.9  |
| ≥ 12000         | 9.8                        | 15.6 | 16.2 | 17.0 | 17.4 | 17.5 | 17.8 | 18.2 | 18.2 | 18.4 | 18.5 | 18.5 | 18.5 | 18.8  | 19.5 | 20.0  |
| ≥ 10000         | 9.8                        | 15.7 | 16.3 | 17.3 | 17.7 | 17.8 | 18.1 | 18.5 | 18.5 | 18.6 | 18.8 | 18.8 | 18.8 | 19.1  | 19.8 | 20.3  |
| ≥ 9000          | 9.8                        | 15.7 | 16.3 | 17.3 | 17.7 | 17.8 | 18.1 | 18.5 | 18.5 | 18.6 | 18.8 | 18.8 | 18.8 | 19.1  | 19.8 | 20.3  |
| ≥ 8000          | 9.8                        | 15.7 | 16.3 | 17.3 | 17.7 | 17.8 | 18.1 | 18.5 | 18.5 | 18.6 | 18.8 | 18.8 | 18.8 | 19.1  | 19.8 | 20.3  |
| ≥ 7000          | 9.8                        | 15.9 | 16.4 | 17.4 | 17.8 | 18.0 | 18.4 | 18.8 | 18.8 | 18.9 | 19.1 | 19.1 | 19.1 | 19.3  | 20.0 | 20.6  |
| ≥ 6000          | 9.8                        | 15.9 | 16.4 | 17.4 | 17.8 | 18.0 | 18.4 | 18.8 | 18.8 | 18.9 | 19.1 | 19.1 | 19.1 | 19.3  | 20.0 | 20.6  |
| ≥ 5000          | 9.8                        | 15.9 | 16.4 | 17.5 | 18.0 | 18.1 | 18.5 | 18.9 | 18.9 | 19.1 | 19.2 | 19.2 | 19.2 | 19.5  | 20.2 | 20.7  |
| ≥ 4500          | 9.8                        | 15.9 | 16.4 | 17.5 | 18.0 | 18.1 | 18.5 | 18.9 | 18.9 | 19.1 | 19.2 | 19.2 | 19.2 | 19.5  | 20.2 | 20.7  |
| ≥ 4000          | 9.8                        | 15.9 | 16.4 | 17.5 | 18.0 | 18.1 | 18.5 | 18.9 | 18.9 | 19.1 | 19.2 | 19.2 | 19.2 | 19.5  | 20.2 | 20.7  |
| ≥ 3500          | 9.8                        | 15.9 | 16.4 | 17.5 | 18.0 | 18.1 | 18.5 | 18.9 | 18.9 | 19.1 | 19.2 | 19.2 | 19.2 | 19.5  | 20.2 | 20.7  |
| ≥ 3000          | 9.8                        | 15.9 | 16.4 | 17.5 | 18.0 | 18.1 | 18.5 | 18.9 | 18.9 | 19.1 | 19.2 | 19.2 | 19.2 | 19.5  | 20.2 | 20.7  |
| ≥ 2500          | 10.1                       | 16.2 | 16.7 | 17.8 | 18.2 | 18.4 | 18.8 | 19.2 | 19.2 | 19.3 | 19.5 | 19.5 | 19.5 | 19.8  | 20.4 | 21.0  |
| ≥ 2000          | 10.5                       | 16.6 | 17.1 | 18.2 | 18.6 | 18.8 | 19.2 | 19.6 | 19.6 | 19.8 | 19.9 | 19.9 | 19.9 | 20.2  | 20.9 | 21.4  |
| ≥ 1800          | 10.6                       | 16.7 | 17.3 | 18.4 | 18.8 | 18.9 | 19.3 | 19.8 | 19.8 | 19.9 | 20.0 | 20.0 | 20.0 | 20.3  | 21.0 | 21.5  |
| ≥ 1500          | 10.6                       | 16.9 | 17.4 | 18.5 | 18.9 | 19.1 | 19.5 | 19.9 | 19.9 | 20.0 | 20.2 | 20.2 | 20.2 | 20.4  | 21.1 | 21.7  |
| ≥ 1200          | 10.6                       | 17.1 | 18.0 | 19.1 | 19.5 | 19.6 | 20.0 | 20.4 | 20.4 | 20.6 | 20.7 | 20.7 | 20.7 | 21.0  | 21.7 | 22.2  |
| ≥ 1000          | 11.2                       | 18.4 | 19.3 | 20.4 | 20.9 | 21.0 | 21.4 | 21.8 | 21.8 | 22.0 | 22.1 | 22.1 | 22.1 | 22.4  | 23.1 | 23.9  |
| ≥ 900           | 11.5                       | 19.2 | 20.3 | 21.4 | 22.0 | 22.2 | 22.7 | 23.1 | 23.1 | 23.2 | 23.3 | 23.3 | 23.3 | 23.6  | 24.3 | 24.9  |
| ≥ 800           | 12.2                       | 20.3 | 21.5 | 23.1 | 23.6 | 23.9 | 24.3 | 24.7 | 24.7 | 24.9 | 25.0 | 25.0 | 25.0 | 25.3  | 26.0 | 26.5  |
| ≥ 700           | 12.4                       | 21.3 | 22.7 | 24.2 | 24.9 | 25.1 | 25.6 | 26.1 | 26.1 | 26.2 | 26.4 | 26.4 | 26.4 | 26.7  | 27.3 | 27.9  |
| ≥ 600           | 12.6                       | 22.0 | 23.6 | 26.2 | 27.2 | 27.5 | 27.9 | 28.5 | 28.5 | 28.6 | 28.7 | 28.7 | 28.7 | 29.0  | 29.7 | 30.2  |
| ≥ 500           | 12.6                       | 23.3 | 25.7 | 28.9 | 30.7 | 31.1 | 31.8 | 32.6 | 32.6 | 32.7 | 32.9 | 32.9 | 32.9 | 33.1  | 34.1 | 34.7  |
| ≥ 400           | 12.6                       | 23.9 | 26.8 | 32.5 | 35.9 | 36.9 | 39.0 | 41.2 | 41.2 | 41.7 | 42.0 | 42.0 | 42.1 | 42.4  | 43.4 | 44.1  |
| ≥ 300           | 12.6                       | 24.0 | 27.1 | 34.3 | 39.1 | 40.3 | 43.2 | 47.9 | 48.2 | 50.1 | 51.4 | 51.7 | 53.0 | 53.5  | 55.5 | 56.6  |
| ≥ 200           | 12.6                       | 24.0 | 27.1 | 34.3 | 39.8 | 41.4 | 44.8 | 51.2 | 51.9 | 55.0 | 57.5 | 58.6 | 61.9 | 63.1  | 70.4 | 73.5  |
| ≥ 100           | 12.6                       | 24.0 | 27.1 | 34.3 | 39.9 | 41.6 | 44.9 | 51.5 | 52.6 | 56.1 | 59.1 | 60.6 | 65.3 | 67.7  | 80.9 | 96.4  |
| ≥ 0             | 12.6                       | 24.0 | 27.1 | 34.3 | 39.9 | 41.6 | 44.9 | 51.5 | 52.6 | 56.2 | 59.3 | 60.8 | 65.5 | 67.8  | 81.4 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

724

USAF ETAC

FORM 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

444

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |      |       |      |       |      |       |       |      |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|-------|------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ 0  |
| NO CEILING      | 30.1                     | 44.2 | 45.4 | 46.7 | 47.0 | 47.0  | 47.0 | 47.0  | 47.0 | 47.0  | 47.0 | 47.0  | 47.0 | 47.0  | 47.0  | 47.0 |
| ≥ 20000         | 30.1                     | 44.2 | 45.4 | 46.7 | 47.0 | 47.0  | 47.0 | 47.0  | 47.0 | 47.0  | 47.0 | 47.0  | 47.0 | 47.0  | 47.0  | 47.0 |
| ≥ 18000         | 30.1                     | 44.9 | 46.1 | 47.5 | 47.7 | 47.7  | 47.7 | 47.7  | 47.7 | 47.7  | 47.7 | 47.7  | 47.7 | 47.7  | 47.7  | 47.7 |
| ≥ 16000         | 30.4                     | 45.2 | 46.5 | 47.8 | 48.1 | 48.1  | 48.1 | 48.1  | 48.1 | 48.1  | 48.1 | 48.1  | 48.1 | 48.1  | 48.1  | 48.1 |
| ≥ 14000         | 30.6                     | 45.5 | 46.7 | 48.1 | 48.3 | 48.3  | 48.3 | 48.3  | 48.3 | 48.3  | 48.3 | 48.3  | 48.3 | 48.3  | 48.3  | 48.3 |
| ≥ 12000         | 30.9                     | 45.0 | 47.5 | 48.9 | 49.2 | 49.2  | 49.2 | 49.2  | 49.2 | 49.2  | 49.2 | 49.2  | 49.2 | 49.2  | 49.2  | 49.2 |
| ≥ 10000         | 31.0                     | 46.1 | 47.6 | 49.1 | 49.3 | 49.3  | 49.3 | 49.3  | 49.3 | 49.3  | 49.3 | 49.3  | 49.3 | 49.3  | 49.3  | 49.3 |
| ≥ 9000          | 31.0                     | 46.1 | 47.6 | 49.1 | 49.3 | 49.3  | 49.3 | 49.3  | 49.3 | 49.3  | 49.3 | 49.3  | 49.3 | 49.3  | 49.3  | 49.3 |
| ≥ 8000          | 31.0                     | 46.1 | 47.6 | 49.1 | 49.3 | 49.3  | 49.3 | 49.3  | 49.3 | 49.3  | 49.3 | 49.3  | 49.3 | 49.3  | 49.3  | 49.3 |
| ≥ 7000          | 31.0                     | 46.3 | 48.0 | 49.4 | 49.7 | 49.7  | 49.7 | 49.7  | 49.7 | 49.7  | 49.7 | 49.7  | 49.7 | 49.7  | 49.7  | 49.7 |
| ≥ 6000          | 31.0                     | 46.5 | 48.1 | 49.6 | 49.8 | 49.8  | 49.8 | 49.8  | 49.8 | 49.8  | 49.8 | 49.8  | 49.8 | 49.8  | 49.8  | 49.8 |
| ≥ 5000          | 31.0                     | 46.8 | 48.5 | 49.9 | 50.2 | 50.2  | 50.2 | 50.2  | 50.2 | 50.2  | 50.2 | 50.2  | 50.2 | 50.2  | 50.2  | 50.2 |
| ≥ 4500          | 31.0                     | 46.8 | 48.5 | 49.9 | 50.2 | 50.2  | 50.2 | 50.2  | 50.2 | 50.2  | 50.2 | 50.2  | 50.2 | 50.2  | 50.2  | 50.2 |
| ≥ 4000          | 31.0                     | 46.8 | 48.5 | 49.9 | 50.2 | 50.2  | 50.2 | 50.2  | 50.2 | 50.2  | 50.2 | 50.2  | 50.2 | 50.2  | 50.2  | 50.2 |
| ≥ 3500          | 31.0                     | 46.8 | 48.5 | 49.9 | 50.2 | 50.2  | 50.2 | 50.2  | 50.2 | 50.2  | 50.2 | 50.2  | 50.2 | 50.2  | 50.2  | 50.2 |
| ≥ 3000          | 31.1                     | 47.0 | 48.6 | 50.1 | 50.3 | 50.3  | 50.3 | 50.3  | 50.3 | 50.3  | 50.3 | 50.3  | 50.3 | 50.3  | 50.3  | 50.3 |
| ≥ 2500          | 31.4                     | 47.2 | 48.8 | 50.3 | 50.6 | 50.6  | 50.6 | 50.6  | 50.6 | 50.6  | 50.6 | 50.6  | 50.6 | 50.6  | 50.6  | 50.6 |
| ≥ 2000          | 31.6                     | 47.5 | 49.1 | 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 |
| ≥ 1800          | 31.8                     | 47.8 | 49.4 | 50.9 | 51.2 | 51.2  | 51.2 | 51.2  | 51.2 | 51.2  | 51.2 | 51.2  | 51.2 | 51.2  | 51.2  | 51.2 |
| ≥ 1500          | 32.6                     | 48.6 | 50.2 | 51.7 | 51.9 | 51.9  | 51.9 | 51.9  | 51.9 | 51.9  | 51.9 | 51.9  | 51.9 | 51.9  | 51.9  | 51.9 |
| ≥ 1200          | 33.7                     | 50.2 | 51.8 | 53.3 | 53.5 | 53.5  | 53.5 | 53.5  | 53.5 | 53.5  | 53.5 | 53.5  | 53.5 | 53.5  | 53.5  | 53.5 |
| ≥ 1000          | 34.4                     | 52.4 | 54.5 | 56.0 | 56.3 | 56.3  | 56.3 | 56.3  | 56.3 | 56.3  | 56.3 | 56.3  | 56.3 | 56.3  | 56.3  | 56.3 |
| ≥ 900           | 34.8                     | 54.9 | 57.1 | 58.9 | 59.1 | 59.1  | 59.1 | 59.1  | 59.1 | 59.1  | 59.1 | 59.1  | 59.1 | 59.1  | 59.1  | 59.1 |
| ≥ 800           | 35.2                     | 56.9 | 59.5 | 62.0 | 62.3 | 62.3  | 62.3 | 62.3  | 62.3 | 62.3  | 62.3 | 62.3  | 62.3 | 62.3  | 62.3  | 62.3 |
| ≥ 700           | 35.4                     | 59.1 | 62.9 | 66.7 | 67.3 | 67.3  | 67.3 | 67.3  | 67.3 | 67.3  | 67.3 | 67.3  | 67.3 | 67.3  | 67.3  | 67.3 |
| ≥ 600           | 35.6                     | 61.8 | 66.3 | 71.5 | 72.9 | 73.0  | 73.1 | 73.4  | 73.4 | 73.5  | 73.5 | 73.5  | 73.5 | 73.5  | 73.5  | 73.5 |
| ≥ 500           | 35.7                     | 64.4 | 70.8 | 78.2 | 81.2 | 81.9  | 82.4 | 82.7  | 82.8 | 82.9  | 82.9 | 82.9  | 82.9 | 82.9  | 82.9  | 82.9 |
| ≥ 400           | 35.7                     | 65.6 | 72.7 | 81.9 | 86.4 | 88.5  | 89.6 | 90.0  | 90.1 | 90.3  | 90.3 | 90.3  | 90.3 | 90.5  | 90.7  | 91.0 |
| ≥ 300           | 35.7                     | 65.6 | 72.7 | 82.4 | 87.5 | 89.8  | 92.1 | 93.4  | 93.7 | 94.3  | 94.5 | 94.5  | 94.8 | 95.0  | 95.3  | 95.4 |
| ≥ 200           | 35.7                     | 65.6 | 72.7 | 82.4 | 87.5 | 90.0  | 92.8 | 94.4  | 94.8 | 95.8  | 96.5 | 96.7  | 98.0 | 98.4  | 98.8  | 98.9 |
| ≥ 100           | 35.7                     | 65.6 | 72.7 | 82.4 | 87.7 | 90.1  | 92.9 | 94.5  | 94.9 | 96.0  | 96.8 | 97.0  | 98.4 | 98.8  | 99.8  | 99.9 |
| ≥ 0             | 35.7                     | 65.6 | 72.7 | 82.4 | 87.7 | 90.1  | 92.9 | 94.5  | 94.9 | 96.0  | 96.8 | 97.0  | 98.4 | 98.8  | 99.8  | 99.9 |

TOTAL NUMBER OF OBSERVATIONS

807

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |       |      |       |      |      |      |      |      |       |       |       |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|------|------|------|------|------|-------|-------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ .5 | ≥ .3 | ≥ .2 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ 0   |
| NO CEILING      | 39.0                       | 66.4 | 67.9 | 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  |
| ≥ 20000         | 39.4                       | 67.3 | 68.8 | 69.0 | 69.0 | 69.0  | 69.0 | 69.0  | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0  | 69.0  | 69.0  |
| IV 18000        | 39.4                       | 67.5 | 69.0 | 69.3 | 69.3 | 69.3  | 69.3 | 69.3  | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3  | 69.3  | 69.3  |
| IV 16000        | 39.4                       | 67.8 | 69.3 | 69.5 | 69.5 | 69.5  | 69.5 | 69.5  | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5  | 69.5  | 69.5  |
| IV 14000        | 39.4                       | 67.8 | 69.3 | 69.5 | 69.5 | 69.5  | 69.5 | 69.5  | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5  | 69.5  | 69.5  |
| IV 12000        | 39.4                       | 68.0 | 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  | 69.8  |
| IV 10000        | 39.5                       | 68.3 | 69.8 | 70.0 | 70.0 | 70.0  | 70.0 | 70.0  | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0  | 70.0  | 70.0  |
| IV 9000         | 39.5                       | 68.3 | 69.8 | 70.0 | 70.0 | 70.0  | 70.0 | 70.0  | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0  | 70.0  | 70.0  |
| IV 8000         | 39.5                       | 68.4 | 69.9 | 70.1 | 70.1 | 70.1  | 70.1 | 70.1  | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1  | 70.1  | 70.1  |
| IV 7000         | 39.5                       | 68.5 | 70.0 | 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  |
| IV 6000         | 39.5                       | 69.0 | 70.5 | 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  |
| IV 5000         | 39.5                       | 69.1 | 70.6 | 70.9 | 70.9 | 70.9  | 70.9 | 70.9  | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9  | 70.9  | 70.9  |
| IV 4500         | 39.5                       | 69.1 | 70.6 | 70.9 | 70.9 | 70.9  | 70.9 | 70.9  | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9  | 70.9  | 70.9  |
| IV 4000         | 39.5                       | 69.1 | 70.6 | 70.9 | 70.9 | 70.9  | 70.9 | 70.9  | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9  | 70.9  | 70.9  |
| IV 3500         | 39.5                       | 69.1 | 70.6 | 70.9 | 70.9 | 70.9  | 70.9 | 70.9  | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9  | 70.9  | 70.9  |
| IV 3000         | 39.5                       | 69.1 | 70.6 | 70.9 | 70.9 | 70.9  | 70.9 | 70.9  | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9  | 70.9  | 70.9  |
| IV 2500         | 39.5                       | 69.1 | 70.6 | 70.9 | 70.9 | 70.9  | 70.9 | 70.9  | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9  | 70.9  | 70.9  |
| IV 2000         | 40.0                       | 69.8 | 71.3 | 71.5 | 71.5 | 71.5  | 71.5 | 71.5  | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5  | 71.5  | 71.5  |
| IV 1800         | 40.4                       | 70.1 | 71.6 | 71.9 | 71.9 | 71.9  | 71.9 | 71.9  | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9  | 71.9  | 71.9  |
| IV 1500         | 41.0                       | 71.0 | 72.5 | 72.7 | 72.7 | 72.7  | 72.7 | 72.7  | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7  | 72.7  | 72.7  |
| IV 1200         | 41.1                       | 71.9 | 73.4 | 73.6 | 73.6 | 73.6  | 73.6 | 73.6  | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6  | 73.6  | 73.6  |
| IV 1000         | 42.3                       | 75.1 | 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  | 77.2  |
| IV 900          | 43.4                       | 78.6 | 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  |
| IV 800          | 43.5                       | 81.9 | 84.4 | 85.0 | 85.1 | 85.1  | 85.1 | 85.1  | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1  | 85.1  | 85.1  |
| IV 700          | 43.6                       | 83.4 | 86.7 | 88.1 | 88.2 | 88.2  | 88.2 | 88.2  | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2  | 88.2  | 88.2  |
| IV 600          | 43.7                       | 85.9 | 89.3 | 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  |
| IV 500          | 43.7                       | 88.5 | 92.8 | 96.0 | 97.0 | 97.0  | 97.1 | 97.3  | 97.3 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4  | 97.4  | 97.4  |
| IV 400          | 43.7                       | 89.0 | 93.7 | 97.1 | 98.1 | 98.4  | 98.5 | 98.8  | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 99.0  | 99.0  | 99.1  |
| IV 300          | 43.7                       | 89.0 | 93.8 | 97.6 | 98.9 | 99.1  | 99.3 | 99.5  | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.8  | 99.8  | 99.9  |
| IV 200          | 43.7                       | 89.0 | 93.8 | 97.6 | 98.9 | 99.1  | 99.3 | 99.5  | 99.5 | 99.5 | 99.5 | 99.6 | 99.8 | 99.9  | 99.9  | 100.0 |
| IV 100          | 43.7                       | 89.0 | 93.8 | 97.6 | 98.9 | 99.1  | 99.3 | 99.5  | 99.5 | 99.5 | 99.5 | 99.6 | 99.8 | 99.9  | 99.9  | 100.0 |
| IV 0            | 43.7                       | 89.0 | 93.8 | 97.6 | 98.9 | 99.1  | 99.3 | 99.5  | 99.5 | 99.5 | 99.5 | 99.6 | 99.8 | 99.9  | 99.9  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

807

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

| CEILING<br>FEET | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |       |      |      |       |       |       |       |       |
|-----------------|----------------------------|------|------|------|------|------|------|------|-------|------|------|-------|-------|-------|-------|-------|
|                 | ≥10                        | ≥6   | ≥5   | ≥4   | ≥3   | ≥2.5 | ≥2   | ≥1.5 | ≥1.25 | ≥1   | ≥.75 | ≥.5   | ≥.25  | ≥.16  | ≥.1   | ≥0    |
| NO CEILING      | 33.4                       | 51.9 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0  | 53.0 | 53.0 | 53.0  | 53.0  | 53.0  | 53.0  | 53.0  |
| ≥ 20000         | 34.3                       | 53.0 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1  | 54.1 | 54.1 | 54.1  | 54.1  | 54.1  | 54.1  | 54.1  |
| ≥ 18000         | 34.3                       | 53.0 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1  | 54.1 | 54.1 | 54.1  | 54.1  | 54.1  | 54.1  | 54.1  |
| ≥ 16000         | 34.3                       | 53.0 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1  | 54.1 | 54.1 | 54.1  | 54.1  | 54.1  | 54.1  | 54.1  |
| ≥ 14000         | 34.3                       | 53.3 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4  | 54.4 | 54.4 | 54.4  | 54.4  | 54.4  | 54.4  | 54.4  |
| ≥ 12000         | 34.7                       | 54.0 | 55.1 | 55.1 | 55.1 | 55.2 | 55.2 | 55.2 | 55.2  | 55.2 | 55.2 | 55.2  | 55.2  | 55.2  | 55.2  | 55.2  |
| ≥ 10000         | 34.9                       | 54.7 | 55.9 | 55.9 | 55.9 | 56.1 | 56.1 | 56.1 | 56.1  | 56.1 | 56.1 | 56.1  | 56.1  | 56.1  | 56.1  | 56.1  |
| ≥ 9000          | 35.1                       | 54.8 | 56.1 | 56.1 | 56.1 | 56.2 | 56.2 | 56.2 | 56.2  | 56.2 | 56.2 | 56.2  | 56.2  | 56.2  | 56.2  | 56.2  |
| ≥ 8000          | 35.2                       | 55.0 | 56.2 | 56.2 | 56.2 | 56.4 | 56.4 | 56.4 | 56.4  | 56.4 | 56.4 | 56.4  | 56.4  | 56.4  | 56.4  | 56.4  |
| ≥ 7000          | 35.2                       | 55.0 | 56.2 | 56.2 | 56.2 | 56.4 | 56.4 | 56.4 | 56.4  | 56.4 | 56.4 | 56.4  | 56.4  | 56.4  | 56.4  | 56.4  |
| ≥ 6000          | 35.2                       | 55.0 | 56.2 | 56.2 | 56.2 | 56.4 | 56.4 | 56.4 | 56.4  | 56.4 | 56.4 | 56.4  | 56.4  | 56.4  | 56.4  | 56.4  |
| ≥ 5000          | 35.2                       | 55.0 | 56.2 | 56.2 | 56.2 | 56.4 | 56.4 | 56.4 | 56.4  | 56.4 | 56.4 | 56.4  | 56.4  | 56.4  | 56.4  | 56.4  |
| ≥ 4500          | 35.2                       | 55.0 | 56.2 | 56.2 | 56.2 | 56.4 | 56.4 | 56.4 | 56.4  | 56.4 | 56.4 | 56.4  | 56.4  | 56.4  | 56.4  | 56.4  |
| ≥ 4000          | 35.2                       | 55.0 | 56.2 | 56.2 | 56.2 | 56.4 | 56.4 | 56.4 | 56.4  | 56.4 | 56.4 | 56.4  | 56.4  | 56.4  | 56.4  | 56.4  |
| ≥ 3500          | 35.2                       | 55.0 | 56.2 | 56.2 | 56.2 | 56.4 | 56.4 | 56.4 | 56.4  | 56.4 | 56.4 | 56.4  | 56.4  | 56.4  | 56.4  | 56.4  |
| ≥ 3000          | 35.2                       | 55.1 | 56.4 | 56.4 | 56.4 | 56.5 | 56.5 | 56.5 | 56.5  | 56.5 | 56.5 | 56.5  | 56.5  | 56.5  | 56.5  | 56.5  |
| ≥ 2500          | 35.4                       | 55.2 | 56.5 | 56.5 | 56.5 | 56.6 | 56.6 | 56.6 | 56.6  | 56.6 | 56.6 | 56.6  | 56.6  | 56.6  | 56.6  | 56.6  |
| ≥ 2000          | 35.4                       | 55.4 | 56.6 | 56.6 | 56.6 | 56.8 | 56.8 | 56.8 | 56.8  | 56.8 | 56.8 | 56.8  | 56.8  | 56.8  | 56.8  | 56.8  |
| ≥ 1800          | 35.4                       | 55.4 | 56.6 | 56.6 | 56.6 | 56.8 | 56.8 | 56.8 | 56.8  | 56.8 | 56.8 | 56.8  | 56.8  | 56.8  | 56.8  | 56.8  |
| ≥ 1500          | 35.6                       | 55.8 | 57.0 | 57.0 | 57.0 | 57.2 | 57.2 | 57.2 | 57.2  | 57.2 | 57.2 | 57.2  | 57.2  | 57.2  | 57.2  | 57.2  |
| ≥ 1200          | 36.2                       | 57.9 | 59.1 | 59.1 | 59.1 | 59.3 | 59.3 | 59.3 | 59.3  | 59.3 | 59.3 | 59.3  | 59.3  | 59.3  | 59.3  | 59.3  |
| ≥ 1000          | 36.9                       | 60.2 | 61.5 | 61.6 | 61.6 | 61.7 | 61.7 | 61.7 | 61.7  | 61.7 | 61.7 | 61.7  | 61.7  | 61.7  | 61.7  | 61.7  |
| ≥ 900           | 39.0                       | 65.9 | 67.5 | 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  |
| ≥ 800           | 39.2                       | 70.3 | 72.9 | 74.4 | 74.6 | 74.7 | 74.7 | 74.7 | 74.7  | 74.7 | 74.7 | 74.7  | 74.7  | 74.7  | 74.7  | 74.7  |
| ≥ 700           | 39.9                       | 75.6 | 79.0 | 81.4 | 81.8 | 81.9 | 81.9 | 81.9 | 81.9  | 81.9 | 81.9 | 81.9  | 81.9  | 81.9  | 81.9  | 81.9  |
| ≥ 600           | 40.3                       | 79.4 | 83.4 | 87.2 | 87.6 | 87.7 | 87.7 | 87.7 | 87.7  | 87.7 | 87.7 | 87.7  | 87.7  | 87.7  | 87.7  | 87.7  |
| ≥ 500           | 40.5                       | 82.0 | 87.0 | 93.1 | 94.2 | 94.5 | 94.6 | 94.9 | 94.9  | 94.9 | 94.9 | 94.9  | 94.9  | 94.9  | 94.9  | 94.9  |
| ≥ 400           | 40.5                       | 82.6 | 87.8 | 94.9 | 96.8 | 97.2 | 97.9 | 98.3 | 98.3  | 98.3 | 98.5 | 98.5  | 98.5  | 98.5  | 98.5  | 98.5  |
| ≥ 300           | 40.5                       | 82.7 | 88.0 | 95.0 | 97.2 | 97.9 | 98.6 | 99.3 | 99.3  | 99.6 | 99.7 | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  |
| ≥ 200           | 40.5                       | 82.7 | 88.0 | 95.0 | 97.2 | 97.9 | 98.6 | 99.3 | 99.3  | 99.6 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100           | 40.5                       | 82.7 | 88.0 | 95.0 | 97.2 | 97.9 | 98.6 | 99.3 | 99.3  | 99.6 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0             | 40.5                       | 82.7 | 88.0 | 95.0 | 97.2 | 97.9 | 98.6 | 99.3 | 99.3  | 99.6 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

724

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

07-70, 73-74

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 | ≥10                        | ≥6   | ≥5   | ≥4   | ≥3   | ≥2   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1    |
| NO. CEILING     | 19.7                       | 31.0 | 31.4 | 31.4 | 31.5 | 31.7 | 31.7 | 32.1 | 32.3 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.6 | 32.6  |
| ≥ 20000         | 19.9                       | 31.2 | 31.5 | 31.5 | 31.7 | 31.9 | 31.9 | 32.3 | 32.4 | 32.6 | 32.6 | 32.6 | 32.6 | 32.6 | 32.8 | 32.8  |
| ≥ 18000         | 19.9                       | 31.2 | 31.5 | 31.5 | 31.7 | 31.9 | 31.9 | 32.3 | 32.4 | 32.6 | 32.6 | 32.6 | 32.6 | 32.6 | 32.8 | 32.8  |
| ≥ 16000         | 19.9                       | 31.2 | 31.5 | 31.5 | 31.7 | 31.9 | 31.9 | 32.3 | 32.4 | 32.6 | 32.6 | 32.6 | 32.6 | 32.6 | 32.8 | 32.8  |
| ≥ 14000         | 19.9                       | 31.2 | 31.5 | 31.5 | 31.7 | 31.9 | 31.9 | 32.3 | 32.4 | 32.6 | 32.6 | 32.8 | 32.8 | 32.8 | 33.0 | 33.0  |
| ≥ 12000         | 20.1                       | 31.5 | 31.9 | 31.9 | 32.1 | 32.3 | 32.4 | 32.8 | 33.0 | 33.2 | 33.3 | 33.3 | 33.3 | 33.3 | 33.5 | 33.5  |
| ≥ 10000         | 20.4                       | 32.3 | 32.6 | 32.6 | 32.8 | 33.0 | 33.2 | 33.5 | 33.7 | 33.9 | 34.1 | 34.1 | 34.1 | 34.1 | 34.2 | 34.2  |
| ≥ 9000          | 20.8                       | 32.6 | 33.0 | 33.0 | 33.2 | 33.3 | 33.5 | 33.9 | 34.1 | 34.2 | 34.4 | 34.4 | 34.4 | 34.4 | 34.6 | 34.6  |
| ≥ 8000          | 20.8                       | 32.6 | 33.0 | 33.0 | 33.2 | 33.3 | 33.5 | 33.9 | 34.1 | 34.2 | 34.4 | 34.4 | 34.4 | 34.4 | 34.6 | 34.6  |
| ≥ 7000          | 20.8                       | 32.6 | 33.0 | 33.0 | 33.2 | 33.3 | 33.5 | 33.9 | 34.1 | 34.2 | 34.4 | 34.4 | 34.4 | 34.4 | 34.6 | 34.6  |
| ≥ 6000          | 20.8                       | 32.6 | 33.0 | 33.0 | 33.2 | 33.3 | 33.5 | 33.9 | 34.1 | 34.2 | 34.4 | 34.4 | 34.4 | 34.4 | 34.6 | 34.6  |
| ≥ 5000          | 20.8                       | 32.6 | 33.0 | 33.0 | 33.2 | 33.3 | 33.5 | 33.9 | 34.1 | 34.2 | 34.4 | 34.4 | 34.4 | 34.4 | 34.6 | 34.6  |
| ≥ 4500          | 20.8                       | 32.6 | 33.0 | 33.0 | 33.2 | 33.3 | 33.5 | 33.9 | 34.1 | 34.2 | 34.4 | 34.4 | 34.4 | 34.4 | 34.6 | 34.6  |
| ≥ 4000          | 20.8                       | 32.6 | 33.0 | 33.0 | 33.2 | 33.3 | 33.5 | 33.9 | 34.1 | 34.2 | 34.4 | 34.4 | 34.4 | 34.4 | 34.6 | 34.6  |
| ≥ 3500          | 20.8                       | 32.6 | 33.0 | 33.0 | 33.2 | 33.3 | 33.5 | 33.9 | 34.1 | 34.2 | 34.4 | 34.4 | 34.4 | 34.4 | 34.6 | 34.6  |
| ≥ 3000          | 20.8                       | 32.6 | 33.0 | 33.0 | 33.2 | 33.3 | 33.5 | 33.9 | 34.1 | 34.2 | 34.4 | 34.4 | 34.4 | 34.4 | 34.6 | 34.6  |
| ≥ 2500          | 20.8                       | 32.6 | 33.0 | 33.0 | 33.2 | 33.3 | 33.5 | 33.9 | 34.1 | 34.2 | 34.4 | 34.4 | 34.4 | 34.4 | 34.6 | 34.6  |
| ≥ 2000          | 20.8                       | 32.6 | 33.0 | 33.0 | 33.2 | 33.3 | 33.5 | 33.9 | 34.1 | 34.2 | 34.4 | 34.4 | 34.4 | 34.4 | 34.6 | 34.6  |
| ≥ 1800          | 20.8                       | 32.6 | 33.0 | 33.0 | 33.2 | 33.3 | 33.5 | 33.9 | 34.1 | 34.2 | 34.4 | 34.4 | 34.4 | 34.4 | 34.6 | 34.6  |
| ≥ 1500          | 20.8                       | 32.6 | 33.0 | 33.0 | 33.2 | 33.3 | 33.5 | 33.9 | 34.1 | 34.2 | 34.4 | 34.4 | 34.4 | 34.4 | 34.6 | 34.6  |
| ≥ 1200          | 21.1                       | 33.3 | 33.7 | 33.7 | 33.9 | 34.1 | 34.2 | 34.6 | 34.8 | 34.9 | 35.1 | 35.1 | 35.1 | 35.1 | 35.3 | 35.3  |
| ≥ 1000          | 22.0                       | 35.1 | 35.5 | 35.5 | 35.7 | 35.8 | 36.0 | 36.4 | 36.6 | 36.7 | 36.9 | 36.9 | 36.9 | 36.9 | 37.1 | 37.1  |
| ≥ 900           | 22.8                       | 37.8 | 38.2 | 38.2 | 38.4 | 38.5 | 38.7 | 39.1 | 39.2 | 39.4 | 39.6 | 39.6 | 39.6 | 39.6 | 39.8 | 39.8  |
| ≥ 800           | 23.3                       | 40.3 | 41.0 | 41.2 | 41.4 | 41.6 | 41.8 | 42.1 | 42.3 | 42.5 | 42.7 | 42.7 | 42.7 | 42.7 | 42.8 | 42.8  |
| ≥ 700           | 24.6                       | 43.5 | 44.4 | 45.7 | 45.9 | 46.1 | 46.2 | 46.6 | 46.8 | 47.0 | 47.1 | 47.1 | 47.1 | 47.1 | 47.3 | 47.3  |
| ≥ 600           | 24.9                       | 47.7 | 48.9 | 51.6 | 52.0 | 52.2 | 52.3 | 52.9 | 53.0 | 53.2 | 53.4 | 53.4 | 53.4 | 53.4 | 53.6 | 53.6  |
| ≥ 500           | 25.3                       | 51.4 | 54.1 | 58.4 | 60.2 | 60.6 | 60.8 | 61.5 | 61.6 | 61.8 | 62.0 | 62.0 | 62.0 | 62.0 | 62.2 | 62.2  |
| ≥ 400           | 25.4                       | 53.9 | 58.2 | 64.9 | 68.6 | 69.4 | 70.3 | 71.3 | 71.5 | 71.9 | 72.2 | 72.2 | 72.2 | 72.2 | 72.4 | 72.4  |
| ≥ 300           | 25.4                       | 54.8 | 59.3 | 67.9 | 73.7 | 74.7 | 76.3 | 78.5 | 78.7 | 79.7 | 80.6 | 80.8 | 80.8 | 80.8 | 81.2 | 81.2  |
| ≥ 200           | 25.4                       | 54.8 | 59.3 | 68.5 | 75.1 | 76.5 | 79.0 | 82.3 | 82.8 | 84.2 | 86.4 | 87.8 | 89.4 | 90.1 | 91.8 | 92.7  |
| ≥ 100           | 25.4                       | 54.8 | 59.3 | 68.5 | 75.1 | 76.5 | 79.0 | 82.6 | 83.2 | 84.9 | 87.5 | 89.2 | 91.6 | 92.5 | 96.2 | 99.1  |
| ≥ 0             | 25.4                       | 54.8 | 59.3 | 68.5 | 75.1 | 76.5 | 79.0 | 82.6 | 83.2 | 84.9 | 87.5 | 89.2 | 91.6 | 92.5 | 96.4 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

558

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-74

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |       |      |      |      |      |      |      |       |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1.2 | ≥ 1  | ≥ .8 | ≥ .6 | ≥ .5 | ≥ .4 | ≥ .3 | ≥ .2  |
| NO CEILING      | 12.7                     | 24.9 | 24.9 | 25.0 | 25.0 | 25.2  | 25.4 | 25.6  | 25.6  | 25.8 | 25.8 | 26.0 | 26.0 | 26.0 | 26.2 | 26.4  |
| ≥ 20000         | 12.7                     | 24.9 | 24.9 | 25.0 | 25.0 | 25.2  | 25.4 | 25.6  | 25.6  | 25.8 | 25.8 | 26.0 | 26.0 | 26.0 | 26.2 | 26.4  |
| IV 18000        | 12.7                     | 24.9 | 24.9 | 25.0 | 25.0 | 25.2  | 25.4 | 25.6  | 25.6  | 25.8 | 25.8 | 26.0 | 26.0 | 26.0 | 26.2 | 26.4  |
| IV 16000        | 12.7                     | 24.9 | 24.9 | 25.0 | 25.0 | 25.2  | 25.4 | 25.6  | 25.6  | 25.8 | 25.8 | 26.0 | 26.0 | 26.0 | 26.2 | 26.4  |
| IV 14000        | 12.7                     | 25.0 | 25.0 | 25.2 | 25.2 | 25.4  | 25.6 | 25.8  | 25.8  | 26.0 | 26.0 | 26.2 | 26.2 | 26.2 | 26.4 | 26.6  |
| IV 12000        | 12.7                     | 25.4 | 25.4 | 25.6 | 25.6 | 25.8  | 26.0 | 26.2  | 26.2  | 26.4 | 26.4 | 26.6 | 26.6 | 26.6 | 26.8 | 26.9  |
| IV 10000        | 12.9                     | 25.6 | 25.6 | 25.8 | 25.8 | 26.0  | 26.2 | 26.4  | 26.4  | 26.6 | 26.6 | 26.8 | 26.8 | 26.8 | 26.9 | 27.1  |
| IV 9000         | 12.9                     | 25.6 | 25.6 | 25.8 | 25.8 | 26.0  | 26.2 | 26.4  | 26.4  | 26.6 | 26.6 | 26.8 | 26.8 | 26.8 | 26.9 | 27.1  |
| IV 8000         | 12.9                     | 25.6 | 25.6 | 25.8 | 25.8 | 26.0  | 26.2 | 26.4  | 26.4  | 26.6 | 26.6 | 26.8 | 26.8 | 26.8 | 26.9 | 27.1  |
| IV 7000         | 12.9                     | 25.6 | 25.6 | 25.8 | 25.8 | 26.0  | 26.2 | 26.4  | 26.4  | 26.6 | 26.6 | 26.8 | 26.8 | 26.8 | 26.9 | 27.1  |
| IV 6000         | 12.9                     | 25.6 | 25.6 | 25.8 | 25.8 | 26.0  | 26.2 | 26.4  | 26.4  | 26.6 | 26.6 | 26.8 | 26.8 | 26.8 | 26.9 | 27.1  |
| IV 5000         | 12.9                     | 25.6 | 25.6 | 25.8 | 25.8 | 26.0  | 26.2 | 26.4  | 26.4  | 26.6 | 26.6 | 26.8 | 26.8 | 26.8 | 26.9 | 27.1  |
| IV 4500         | 12.9                     | 25.6 | 25.6 | 25.8 | 25.8 | 26.0  | 26.2 | 26.4  | 26.4  | 26.6 | 26.6 | 26.8 | 26.8 | 26.8 | 26.9 | 27.1  |
| IV 4000         | 12.9                     | 25.6 | 25.6 | 25.8 | 25.8 | 26.0  | 26.2 | 26.4  | 26.4  | 26.6 | 26.6 | 26.8 | 26.8 | 26.8 | 26.9 | 27.1  |
| IV 3500         | 12.9                     | 25.6 | 25.6 | 25.8 | 25.8 | 26.0  | 26.2 | 26.4  | 26.4  | 26.6 | 26.6 | 26.8 | 26.8 | 26.8 | 26.9 | 27.1  |
| IV 3000         | 12.9                     | 25.6 | 25.6 | 25.8 | 25.8 | 26.0  | 26.2 | 26.4  | 26.4  | 26.6 | 26.6 | 26.8 | 26.8 | 26.8 | 26.9 | 27.1  |
| IV 2500         | 12.9                     | 25.6 | 25.6 | 25.8 | 25.8 | 26.0  | 26.2 | 26.4  | 26.4  | 26.6 | 26.6 | 26.8 | 26.8 | 26.8 | 26.9 | 27.1  |
| IV 2000         | 12.9                     | 25.6 | 25.6 | 25.8 | 25.8 | 26.0  | 26.2 | 26.4  | 26.4  | 26.6 | 26.6 | 26.8 | 26.8 | 26.8 | 26.9 | 27.1  |
| IV 1800         | 12.9                     | 25.6 | 25.6 | 25.8 | 25.8 | 26.0  | 26.2 | 26.4  | 26.4  | 26.6 | 26.6 | 26.8 | 26.8 | 26.8 | 26.9 | 27.1  |
| IV 1500         | 12.9                     | 25.6 | 25.6 | 25.8 | 25.8 | 26.0  | 26.2 | 26.4  | 26.4  | 26.6 | 26.6 | 26.8 | 26.8 | 26.8 | 26.9 | 27.1  |
| IV 1200         | 12.9                     | 25.6 | 25.6 | 25.8 | 25.8 | 26.0  | 26.2 | 26.4  | 26.4  | 26.6 | 26.6 | 26.8 | 26.8 | 26.8 | 26.9 | 27.1  |
| IV 1000         | 12.9                     | 26.2 | 26.2 | 26.4 | 26.4 | 26.6  | 26.8 | 26.9  | 26.9  | 27.1 | 27.1 | 27.3 | 27.3 | 27.3 | 27.5 | 27.7  |
| ≥ 900           | 13.1                     | 27.5 | 27.5 | 27.7 | 27.7 | 27.9  | 28.1 | 28.3  | 28.3  | 28.5 | 28.5 | 28.7 | 28.7 | 28.7 | 28.8 | 29.0  |
| ≥ 800           | 13.1                     | 29.0 | 29.0 | 29.2 | 29.2 | 29.4  | 29.6 | 29.8  | 29.8  | 30.0 | 30.0 | 30.2 | 30.2 | 30.2 | 30.4 | 30.6  |
| ≥ 700           | 13.1                     | 31.1 | 31.1 | 31.3 | 31.3 | 31.5  | 31.7 | 31.9  | 31.9  | 32.1 | 32.1 | 32.3 | 32.3 | 32.3 | 32.4 | 32.6  |
| ≥ 600           | 13.7                     | 33.8 | 33.8 | 34.3 | 34.3 | 34.7  | 34.9 | 35.1  | 35.1  | 35.3 | 35.3 | 35.5 | 35.5 | 35.5 | 35.7 | 35.9  |
| ≥ 500           | 14.2                     | 38.1 | 38.7 | 39.8 | 40.0 | 40.2  | 40.4 | 40.6  | 40.6  | 40.8 | 40.8 | 41.0 | 41.0 | 41.0 | 41.2 | 41.4  |
| ≥ 400           | 14.2                     | 42.3 | 43.6 | 47.6 | 48.6 | 49.1  | 49.5 | 49.7  | 49.7  | 49.9 | 49.9 | 50.1 | 50.1 | 50.1 | 50.3 | 50.5  |
| ≥ 300           | 14.2                     | 43.8 | 45.7 | 53.1 | 55.8 | 57.7  | 58.3 | 59.0  | 59.0  | 59.4 | 59.6 | 59.8 | 59.8 | 59.8 | 60.0 | 60.2  |
| ≥ 200           | 14.2                     | 44.8 | 47.2 | 55.8 | 61.3 | 63.6  | 65.5 | 67.9  | 68.7  | 69.6 | 71.2 | 71.7 | 72.7 | 73.8 | 76.3 | 78.9  |
| ≥ 100           | 14.2                     | 44.8 | 47.2 | 55.8 | 61.5 | 63.9  | 66.2 | 69.4  | 70.4  | 73.6 | 76.1 | 77.0 | 78.6 | 79.9 | 86.9 | 97.5  |
| ≥ 0             | 14.2                     | 44.8 | 47.2 | 55.8 | 61.5 | 63.9  | 66.2 | 69.4  | 70.4  | 73.6 | 76.1 | 77.0 | 78.6 | 79.9 | 87.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

527

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |       |      |       |      |      |      |      |      |       |       |       |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|------|------|------|------|------|-------|-------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ .5 | ≥ .3 | ≥ .2 | ≥ .1 | ≥ .05 | ≥ .03 | ≥ .01 |
| NO CEILING      | 22.1                       | 35.9 | 36.7 | 37.1 | 37.3 | 37.3  | 37.4 | 37.6  | 37.6 | 37.7 | 37.7 | 37.8 | 37.8 | 37.8  | 38.1  | 38.4  |
| ≥ 20000         | 22.3                       | 36.3 | 37.1 | 37.5 | 37.7 | 37.7  | 37.8 | 38.0  | 38.0 | 38.1 | 38.1 | 38.2 | 38.2 | 38.2  | 38.5  | 38.8  |
| ≥ 18000         | 22.4                       | 36.4 | 37.2 | 37.6 | 37.8 | 37.9  | 38.0 | 38.1  | 38.1 | 38.2 | 38.3 | 38.3 | 38.3 | 38.4  | 38.6  | 38.9  |
| ≥ 16000         | 22.4                       | 36.5 | 37.3 | 37.8 | 37.9 | 38.0  | 38.1 | 38.2  | 38.3 | 38.3 | 38.4 | 38.4 | 38.4 | 38.5  | 38.7  | 39.0  |
| ≥ 14000         | 22.5                       | 36.7 | 37.5 | 37.9 | 38.1 | 38.2  | 38.3 | 38.4  | 38.4 | 38.5 | 38.6 | 38.6 | 38.6 | 38.7  | 38.9  | 39.2  |
| ≥ 12000         | 22.6                       | 37.0 | 37.9 | 38.4 | 38.6 | 38.7  | 38.8 | 39.0  | 39.0 | 39.1 | 39.1 | 39.2 | 39.2 | 39.2  | 39.5  | 39.8  |
| ≥ 10000         | 22.8                       | 37.3 | 38.2 | 38.7 | 38.9 | 39.0  | 39.1 | 39.3  | 39.3 | 39.4 | 39.5 | 39.5 | 39.5 | 39.6  | 39.8  | 40.1  |
| ≥ 9000          | 22.8                       | 37.4 | 38.3 | 38.7 | 39.0 | 39.1  | 39.2 | 39.3  | 39.4 | 39.5 | 39.5 | 39.5 | 39.6 | 39.6  | 39.8  | 40.1  |
| ≥ 8000          | 22.8                       | 37.4 | 38.3 | 38.8 | 39.0 | 39.1  | 39.2 | 39.4  | 39.4 | 39.5 | 39.6 | 39.6 | 39.6 | 39.6  | 39.9  | 40.2  |
| ≥ 7000          | 22.8                       | 37.5 | 38.4 | 38.9 | 39.1 | 39.2  | 39.3 | 39.5  | 39.5 | 39.6 | 39.7 | 39.7 | 39.7 | 39.8  | 40.0  | 40.3  |
| ≥ 6000          | 22.8                       | 37.6 | 38.5 | 39.0 | 39.2 | 39.3  | 39.4 | 39.6  | 39.6 | 39.7 | 39.8 | 39.8 | 39.8 | 39.9  | 40.1  | 40.4  |
| ≥ 5000          | 22.8                       | 37.7 | 38.6 | 39.1 | 39.3 | 39.4  | 39.5 | 39.7  | 39.7 | 39.8 | 39.9 | 39.9 | 39.9 | 40.0  | 40.2  | 40.5  |
| ≥ 4500          | 22.8                       | 37.7 | 38.6 | 39.1 | 39.3 | 39.4  | 39.5 | 39.7  | 39.7 | 39.8 | 39.9 | 39.9 | 39.9 | 40.0  | 40.2  | 40.5  |
| ≥ 4000          | 22.8                       | 37.7 | 38.6 | 39.1 | 39.3 | 39.4  | 39.5 | 39.7  | 39.7 | 39.8 | 39.9 | 39.9 | 39.9 | 40.0  | 40.2  | 40.5  |
| ≥ 3500          | 22.8                       | 37.7 | 38.6 | 39.1 | 39.3 | 39.4  | 39.5 | 39.7  | 39.7 | 39.8 | 39.9 | 39.9 | 39.9 | 40.0  | 40.2  | 40.5  |
| ≥ 3000          | 22.9                       | 37.7 | 38.6 | 39.1 | 39.4 | 39.4  | 39.6 | 39.7  | 39.7 | 39.8 | 39.9 | 39.9 | 39.9 | 40.0  | 40.2  | 40.5  |
| ≥ 2500          | 23.0                       | 37.8 | 38.7 | 39.2 | 39.5 | 39.5  | 39.7 | 39.8  | 39.8 | 39.9 | 40.0 | 40.0 | 40.0 | 40.1  | 40.3  | 40.6  |
| ≥ 2000          | 23.2                       | 38.1 | 39.0 | 39.5 | 39.7 | 39.8  | 39.9 | 40.1  | 40.1 | 40.2 | 40.3 | 40.3 | 40.3 | 40.4  | 40.6  | 40.9  |
| ≥ 1800          | 23.3                       | 38.2 | 39.1 | 39.6 | 39.9 | 39.9  | 40.1 | 40.2  | 40.3 | 40.4 | 40.4 | 40.4 | 40.5 | 40.5  | 40.8  | 41.0  |
| ≥ 1500          | 23.6                       | 38.5 | 39.5 | 40.0 | 40.2 | 40.3  | 40.4 | 40.6  | 40.6 | 40.7 | 40.8 | 40.8 | 40.8 | 40.9  | 41.1  | 41.4  |
| ≥ 1200          | 23.9                       | 39.4 | 40.3 | 40.8 | 41.0 | 41.1  | 41.3 | 41.4  | 41.4 | 41.5 | 41.6 | 41.6 | 41.7 | 41.7  | 41.9  | 42.2  |
| ≥ 1000          | 24.5                       | 41.1 | 42.2 | 42.7 | 43.0 | 43.0  | 43.2 | 43.3  | 43.4 | 43.5 | 43.5 | 43.5 | 43.6 | 43.6  | 43.8  | 44.1  |
| ≥ 900           | 25.2                       | 43.6 | 44.9 | 45.5 | 45.8 | 45.9  | 46.0 | 46.2  | 46.2 | 46.3 | 46.4 | 46.4 | 46.4 | 46.5  | 46.7  | 47.0  |
| ≥ 800           | 25.4                       | 45.9 | 47.4 | 48.5 | 48.8 | 48.9  | 49.0 | 49.2  | 49.2 | 49.3 | 49.3 | 49.4 | 49.4 | 49.4  | 49.7  | 50.0  |
| ≥ 700           | 25.8                       | 48.2 | 50.2 | 51.8 | 52.2 | 52.3  | 52.5 | 52.6  | 52.6 | 52.7 | 52.8 | 52.8 | 52.8 | 52.9  | 53.1  | 53.4  |
| ≥ 600           | 26.1                       | 50.6 | 52.9 | 55.4 | 56.0 | 56.2  | 56.3 | 56.5  | 56.6 | 56.7 | 56.7 | 56.8 | 56.8 | 56.8  | 57.1  | 57.4  |
| ≥ 500           | 26.3                       | 53.3 | 56.5 | 60.2 | 61.6 | 61.8  | 62.1 | 62.5  | 62.6 | 62.7 | 62.8 | 62.8 | 62.8 | 62.9  | 63.1  | 63.4  |
| ≥ 400           | 26.3                       | 54.7 | 58.7 | 64.1 | 66.5 | 67.2  | 68.1 | 68.8  | 68.9 | 69.1 | 69.2 | 69.3 | 69.4 | 69.4  | 69.8  | 70.1  |
| ≥ 300           | 26.3                       | 55.3 | 59.5 | 66.3 | 69.7 | 70.9  | 72.3 | 73.9  | 74.0 | 74.7 | 75.1 | 75.2 | 75.6 | 75.7  | 76.3  | 76.7  |
| ≥ 200           | 26.3                       | 55.4 | 59.7 | 66.9 | 71.1 | 72.5  | 74.6 | 77.2  | 77.5 | 78.6 | 79.9 | 80.4 | 81.7 | 82.2  | 84.8  | 86.1  |
| ≥ 100           | 26.3                       | 55.4 | 59.7 | 66.9 | 71.3 | 72.8  | 75.0 | 77.8  | 78.3 | 79.9 | 81.5 | 82.2 | 84.2 | 85.1  | 90.8  | 98.6  |
| ≥ 0             | 26.3                       | 55.4 | 59.7 | 66.9 | 71.3 | 72.8  | 75.0 | 77.8  | 78.3 | 80.0 | 81.5 | 82.3 | 84.3 | 85.1  | 91.0  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

5077

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73, 78

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0700

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2  | ≥ 2  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1   |
| NO CEILING      | 10.5                       | 16.9 | 17.1 | 18.6 | 19.9 | 19.9 | 20.3 | 20.5 | 20.7 | 21.4 | 21.4 | 21.4 | 22.0 | 22.0 | 22.2 | 22.9  |
| ≥ 20000         | 10.5                       | 17.1 | 17.3 | 18.8 | 20.1 | 20.1 | 20.5 | 20.7 | 20.9 | 21.6 | 21.6 | 21.6 | 22.2 | 22.2 | 22.4 | 23.1  |
| ≥ 18000         | 10.5                       | 17.1 | 17.3 | 18.8 | 20.1 | 20.1 | 20.5 | 20.7 | 20.9 | 21.6 | 21.6 | 21.6 | 22.2 | 22.2 | 22.4 | 23.1  |
| ≥ 16000         | 10.5                       | 17.1 | 17.3 | 18.8 | 20.1 | 20.1 | 20.5 | 20.7 | 20.9 | 21.6 | 21.6 | 21.6 | 22.2 | 22.2 | 22.4 | 23.1  |
| ≥ 14000         | 10.5                       | 17.1 | 17.3 | 18.8 | 20.1 | 20.1 | 20.5 | 20.7 | 20.9 | 21.6 | 21.6 | 21.6 | 22.2 | 22.2 | 22.4 | 23.1  |
| ≥ 12000         | 10.5                       | 17.1 | 17.3 | 18.8 | 20.1 | 20.1 | 20.5 | 20.7 | 20.9 | 21.6 | 21.6 | 21.6 | 22.2 | 22.2 | 22.4 | 23.1  |
| ≥ 10000         | 10.5                       | 17.1 | 17.3 | 18.8 | 20.1 | 20.1 | 20.5 | 20.7 | 20.9 | 21.6 | 21.6 | 21.6 | 22.2 | 22.2 | 22.4 | 23.1  |
| ≥ 9000          | 10.5                       | 17.1 | 17.3 | 18.8 | 20.1 | 20.1 | 20.5 | 20.7 | 20.9 | 21.6 | 21.6 | 21.6 | 22.2 | 22.2 | 22.4 | 23.1  |
| ≥ 8000          | 10.5                       | 17.1 | 17.3 | 18.8 | 20.1 | 20.1 | 20.5 | 20.7 | 20.9 | 21.6 | 21.6 | 21.6 | 22.2 | 22.2 | 22.4 | 23.1  |
| ≥ 7000          | 10.5                       | 17.1 | 17.3 | 18.8 | 20.1 | 20.1 | 20.5 | 20.7 | 20.9 | 21.6 | 21.6 | 21.6 | 22.2 | 22.2 | 22.4 | 23.1  |
| ≥ 6000          | 10.5                       | 17.1 | 17.3 | 18.8 | 20.1 | 20.1 | 20.5 | 20.7 | 20.9 | 21.6 | 21.6 | 21.6 | 22.2 | 22.2 | 22.4 | 23.1  |
| ≥ 5000          | 10.5                       | 17.1 | 17.3 | 18.8 | 20.1 | 20.1 | 20.5 | 20.7 | 20.9 | 21.6 | 21.6 | 21.6 | 22.2 | 22.2 | 22.4 | 23.1  |
| ≥ 4500          | 10.5                       | 17.1 | 17.3 | 18.8 | 20.1 | 20.1 | 20.5 | 20.7 | 20.9 | 21.6 | 21.6 | 21.6 | 22.2 | 22.2 | 22.4 | 23.1  |
| ≥ 4000          | 10.5                       | 17.1 | 17.3 | 18.8 | 20.1 | 20.1 | 20.5 | 20.7 | 20.9 | 21.6 | 21.6 | 21.6 | 22.2 | 22.2 | 22.4 | 23.1  |
| ≥ 3500          | 10.5                       | 17.1 | 17.3 | 18.8 | 20.1 | 20.1 | 20.5 | 20.7 | 20.9 | 21.6 | 21.6 | 21.6 | 22.2 | 22.2 | 22.4 | 23.1  |
| ≥ 3000          | 10.5                       | 17.1 | 17.3 | 18.8 | 20.1 | 20.1 | 20.5 | 20.7 | 20.9 | 21.6 | 21.6 | 21.6 | 22.2 | 22.2 | 22.4 | 23.1  |
| ≥ 2500          | 10.5                       | 17.1 | 17.3 | 18.8 | 20.1 | 20.1 | 20.5 | 20.7 | 20.9 | 21.6 | 21.6 | 21.6 | 22.2 | 22.2 | 22.4 | 23.1  |
| ≥ 2000          | 10.5                       | 17.1 | 17.3 | 18.8 | 20.1 | 20.1 | 20.5 | 20.7 | 20.9 | 21.6 | 21.6 | 21.6 | 22.2 | 22.2 | 22.4 | 23.1  |
| ≥ 1800          | 10.5                       | 17.3 | 17.5 | 19.0 | 20.3 | 20.3 | 20.7 | 20.9 | 21.2 | 21.8 | 21.8 | 21.8 | 22.4 | 22.4 | 22.6 | 23.3  |
| ≥ 1500          | 10.5                       | 17.3 | 17.5 | 19.0 | 20.3 | 20.3 | 20.7 | 20.9 | 21.2 | 21.8 | 21.8 | 21.8 | 22.4 | 22.4 | 22.6 | 23.3  |
| ≥ 1200          | 10.5                       | 17.3 | 17.5 | 19.0 | 20.3 | 20.3 | 20.7 | 20.9 | 21.2 | 21.8 | 21.8 | 21.8 | 22.4 | 22.4 | 22.6 | 23.3  |
| ≥ 1000          | 10.5                       | 17.9 | 18.2 | 19.7 | 20.9 | 20.9 | 21.4 | 21.6 | 21.8 | 22.4 | 22.4 | 22.4 | 23.1 | 23.1 | 23.3 | 23.9  |
| ≥ 900           | 10.5                       | 18.6 | 18.8 | 20.3 | 21.6 | 21.6 | 22.0 | 22.2 | 22.4 | 23.1 | 23.1 | 23.1 | 23.7 | 23.7 | 23.9 | 24.6  |
| ≥ 800           | 10.5                       | 18.6 | 18.8 | 20.3 | 21.6 | 21.6 | 22.0 | 22.2 | 22.4 | 23.1 | 23.1 | 23.1 | 23.7 | 23.7 | 23.9 | 24.6  |
| ≥ 700           | 10.9                       | 19.7 | 19.9 | 21.4 | 22.6 | 22.6 | 23.1 | 23.3 | 23.5 | 24.1 | 24.1 | 24.1 | 24.8 | 24.8 | 25.0 | 25.6  |
| ≥ 600           | 10.9                       | 21.2 | 21.4 | 22.9 | 24.1 | 24.1 | 24.6 | 24.8 | 25.0 | 25.6 | 25.6 | 25.6 | 26.3 | 26.3 | 26.5 | 27.1  |
| ≥ 500           | 11.5                       | 22.9 | 23.1 | 25.0 | 26.3 | 26.3 | 26.7 | 26.9 | 27.1 | 27.8 | 27.8 | 27.8 | 28.4 | 28.4 | 28.6 | 29.3  |
| ≥ 400           | 11.5                       | 25.9 | 26.7 | 30.8 | 32.5 | 32.5 | 33.1 | 33.3 | 33.5 | 34.2 | 34.2 | 34.2 | 34.8 | 34.8 | 35.0 | 35.7  |
| ≥ 300           | 11.5                       | 26.9 | 28.2 | 33.8 | 38.0 | 38.7 | 39.3 | 40.0 | 40.2 | 40.8 | 40.8 | 40.8 | 41.7 | 41.7 | 42.1 | 42.7  |
| ≥ 200           | 11.5                       | 26.9 | 28.2 | 34.6 | 39.5 | 40.6 | 41.7 | 46.6 | 48.3 | 51.1 | 52.4 | 52.8 | 55.3 | 55.3 | 59.8 | 62.0  |
| ≥ 100           | 11.5                       | 26.9 | 28.2 | 34.6 | 40.0 | 41.2 | 42.3 | 47.9 | 49.8 | 52.8 | 54.7 | 55.8 | 59.8 | 60.5 | 74.6 | 98.5  |
| ≥ 0             | 11.5                       | 26.9 | 28.2 | 34.6 | 40.0 | 41.2 | 42.3 | 47.9 | 49.8 | 52.8 | 54.7 | 55.8 | 59.8 | 60.5 | 74.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

468

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAAC

## CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73, 78

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |       |      |       |       |       |      |       |       |      |       |       |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|-------|-------|------|-------|-------|------|-------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1.0 | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .15 | ≥ .1 | ≥ .05 | ≥ .01 |
| NO CEILING      | 7.1                        | 11.8 | 11.8 | 12.0 | 12.7 | 12.7  | 12.9 | 12.9  | 13.5  | 13.7  | 14.2 | 14.4  | 14.6  | 14.8 | 15.9  | 16.5  |
| ≥ 20000         | 7.1                        | 11.8 | 11.8 | 12.0 | 12.7 | 12.7  | 12.9 | 12.9  | 13.5  | 13.7  | 14.2 | 14.4  | 14.6  | 14.8 | 15.9  | 16.5  |
| ≥ 18000         | 7.1                        | 11.8 | 11.8 | 12.0 | 12.7 | 12.7  | 12.9 | 12.9  | 13.5  | 13.7  | 14.2 | 14.4  | 14.6  | 14.8 | 15.9  | 16.5  |
| ≥ 16000         | 7.1                        | 11.8 | 11.8 | 12.0 | 12.7 | 12.7  | 12.9 | 12.9  | 13.5  | 13.7  | 14.2 | 14.4  | 14.6  | 14.8 | 15.9  | 16.5  |
| ≥ 14000         | 7.1                        | 11.8 | 11.8 | 12.0 | 12.7 | 12.7  | 12.9 | 12.9  | 13.5  | 13.7  | 14.2 | 14.4  | 14.6  | 14.8 | 15.9  | 16.5  |
| ≥ 12000         | 7.1                        | 11.8 | 11.8 | 12.0 | 12.7 | 12.7  | 12.9 | 12.9  | 13.5  | 13.7  | 14.2 | 14.4  | 14.6  | 14.8 | 15.9  | 16.5  |
| ≥ 10000         | 7.1                        | 12.0 | 12.0 | 12.2 | 12.9 | 12.9  | 13.1 | 13.1  | 13.7  | 13.9  | 14.4 | 14.6  | 14.8  | 15.0 | 16.1  | 16.7  |
| ≥ 9000          | 7.1                        | 12.0 | 12.0 | 12.2 | 12.9 | 12.9  | 13.1 | 13.1  | 13.7  | 13.9  | 14.4 | 14.6  | 14.8  | 15.0 | 16.1  | 16.7  |
| ≥ 8000          | 7.1                        | 12.0 | 12.0 | 12.2 | 12.9 | 12.9  | 13.1 | 13.1  | 13.7  | 13.9  | 14.4 | 14.6  | 14.8  | 15.0 | 16.1  | 16.7  |
| ≥ 7000          | 7.1                        | 12.0 | 12.0 | 12.2 | 12.9 | 12.9  | 13.1 | 13.1  | 13.7  | 13.9  | 14.4 | 14.6  | 14.8  | 15.0 | 16.1  | 16.7  |
| ≥ 6000          | 7.1                        | 12.0 | 12.0 | 12.2 | 12.9 | 12.9  | 13.1 | 13.1  | 13.7  | 13.9  | 14.4 | 14.6  | 14.8  | 15.0 | 16.1  | 16.7  |
| ≥ 5000          | 7.1                        | 12.0 | 12.0 | 12.2 | 12.9 | 12.9  | 13.1 | 13.1  | 13.7  | 13.9  | 14.4 | 14.6  | 14.8  | 15.0 | 16.1  | 16.7  |
| ≥ 4500          | 7.1                        | 12.0 | 12.0 | 12.2 | 12.9 | 12.9  | 13.1 | 13.1  | 13.7  | 13.9  | 14.4 | 14.6  | 14.8  | 15.0 | 16.1  | 16.7  |
| ≥ 4000          | 7.1                        | 12.0 | 12.0 | 12.2 | 12.9 | 12.9  | 13.1 | 13.1  | 13.7  | 13.9  | 14.4 | 14.6  | 14.8  | 15.0 | 16.1  | 16.7  |
| ≥ 3500          | 7.1                        | 12.0 | 12.0 | 12.2 | 12.9 | 12.9  | 13.1 | 13.1  | 13.7  | 13.9  | 14.4 | 14.6  | 14.8  | 15.0 | 16.1  | 16.7  |
| ≥ 3000          | 7.1                        | 12.2 | 12.2 | 12.4 | 13.1 | 13.1  | 13.3 | 13.3  | 13.9  | 14.2  | 14.6 | 14.8  | 15.0  | 15.2 | 16.3  | 17.0  |
| ≥ 2500          | 7.1                        | 12.7 | 12.7 | 12.9 | 13.5 | 13.5  | 13.7 | 13.7  | 14.4  | 14.6  | 15.0 | 15.2  | 15.5  | 15.7 | 16.7  | 17.4  |
| ≥ 2000          | 7.1                        | 13.3 | 13.3 | 13.5 | 14.2 | 14.2  | 14.4 | 14.4  | 15.0  | 15.2  | 15.7 | 15.9  | 16.1  | 16.3 | 17.4  | 18.0  |
| ≥ 1800          | 7.1                        | 13.3 | 13.3 | 13.5 | 14.2 | 14.2  | 14.4 | 14.4  | 15.0  | 15.2  | 15.7 | 15.9  | 16.1  | 16.3 | 17.4  | 18.0  |
| ≥ 1500          | 7.1                        | 13.5 | 13.5 | 13.7 | 14.4 | 14.4  | 14.6 | 14.6  | 15.2  | 15.5  | 15.9 | 16.1  | 16.3  | 16.5 | 17.6  | 18.2  |
| ≥ 1200          | 7.1                        | 13.5 | 13.5 | 13.7 | 14.4 | 14.4  | 14.6 | 14.6  | 15.2  | 15.5  | 15.9 | 16.1  | 16.3  | 16.5 | 17.6  | 18.2  |
| ≥ 1000          | 7.1                        | 13.5 | 13.5 | 13.7 | 14.4 | 14.4  | 14.6 | 14.6  | 15.2  | 15.5  | 15.9 | 16.1  | 16.3  | 16.5 | 17.6  | 18.2  |
| ≥ 900           | 7.1                        | 14.2 | 14.2 | 14.4 | 15.0 | 15.0  | 15.2 | 15.2  | 15.9  | 16.1  | 16.5 | 16.7  | 17.0  | 17.2 | 18.2  | 18.9  |
| ≥ 800           | 7.1                        | 14.4 | 14.4 | 14.6 | 15.2 | 15.2  | 15.5 | 15.5  | 16.1  | 16.3  | 16.7 | 17.0  | 17.2  | 17.4 | 18.5  | 19.1  |
| ≥ 700           | 7.1                        | 14.6 | 14.6 | 14.8 | 15.5 | 15.5  | 15.7 | 15.7  | 16.3  | 16.5  | 17.0 | 17.2  | 17.4  | 17.6 | 18.7  | 19.3  |
| ≥ 600           | 7.1                        | 15.9 | 15.9 | 16.1 | 16.7 | 16.7  | 17.0 | 17.0  | 17.6  | 17.8  | 18.2 | 18.5  | 18.7  | 18.9 | 20.0  | 20.6  |
| ≥ 500           | 7.1                        | 17.2 | 17.2 | 17.4 | 18.0 | 18.0  | 18.2 | 18.2  | 18.9  | 19.1  | 19.5 | 19.7  | 20.0  | 20.2 | 21.2  | 21.9  |
| ≥ 400           | 7.1                        | 19.1 | 19.3 | 20.6 | 21.5 | 21.5  | 21.9 | 21.9  | 22.5  | 22.7  | 23.4 | 23.6  | 23.8  | 24.0 | 25.1  | 25.8  |
| ≥ 300           | 7.1                        | 19.5 | 19.7 | 23.2 | 24.7 | 24.9  | 25.8 | 27.3  | 28.1  | 28.5  | 29.4 | 29.6  | 29.8  | 30.3 | 31.3  | 32.4  |
| ≥ 200           | 7.1                        | 19.7 | 20.0 | 24.5 | 27.3 | 27.9  | 29.8 | 32.6  | 33.7  | 35.2  | 36.7 | 37.3  | 39.2  | 40.1 | 42.5  | 43.1  |
| ≥ 100           | 7.1                        | 19.7 | 20.0 | 24.5 | 27.5 | 28.3  | 30.5 | 33.7  | 35.4  | 37.1  | 39.1 | 40.3  | 43.3  | 45.3 | 48.9  | 49.0  |
| ≥ 0             | 7.1                        | 19.7 | 20.0 | 24.5 | 27.5 | 28.3  | 30.5 | 33.7  | 35.4  | 37.1  | 39.1 | 40.3  | 43.3  | 45.3 | 48.9  | 49.0  |

TOTAL NUMBER OF OBSERVATIONS

406

USAF ETAC

D-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0800

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |      |        |       |        |        |       |        |      |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|--------|-------|--------|--------|-------|--------|------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ 0.75 | ≥ 0.5 | ≥ 0.25 | ≥ 0.15 | ≥ 0.1 | ≥ 0.05 | ≥ 0  |
| NO. CEILING     | 8.1                      | 11.2 | 12.0 | 12.4 | 12.6 | 12.9  | 13.1 | 13.1  | 13.1 | 13.1   | 13.4  | 13.5   | 13.8   | 13.9  | 14.5   | 15.3 |
| ≥ 20000         | 8.1                      | 11.2 | 12.0 | 12.4 | 12.6 | 12.9  | 13.1 | 13.1  | 13.1 | 13.1   | 13.4  | 13.5   | 13.8   | 13.9  | 14.5   | 15.3 |
| ≥ 18000         | 8.1                      | 11.4 | 12.2 | 12.6 | 12.7 | 13.0  | 13.3 | 13.3  | 13.3 | 13.3   | 13.5  | 13.7   | 13.9   | 14.1  | 14.6   | 15.4 |
| ≥ 16000         | 8.1                      | 11.4 | 12.2 | 12.6 | 12.7 | 13.0  | 13.3 | 13.3  | 13.3 | 13.3   | 13.5  | 13.7   | 13.9   | 14.1  | 14.6   | 15.4 |
| ≥ 14000         | 8.1                      | 11.5 | 12.3 | 12.7 | 13.0 | 13.3  | 13.7 | 13.7  | 13.7 | 13.7   | 13.9  | 14.1   | 14.3   | 14.5  | 15.0   | 15.8 |
| ≥ 12000         | 8.1                      | 11.6 | 12.4 | 12.9 | 13.1 | 13.4  | 13.9 | 13.9  | 13.9 | 13.9   | 14.2  | 14.3   | 14.6   | 14.7  | 15.3   | 16.1 |
| ≥ 10000         | 8.4                      | 12.3 | 13.1 | 13.5 | 13.8 | 14.1  | 14.6 | 14.6  | 14.6 | 14.6   | 14.8  | 15.0   | 15.3   | 15.4  | 16.0   | 16.8 |
| ≥ 9000          | 8.4                      | 12.3 | 13.1 | 13.5 | 13.8 | 14.1  | 14.6 | 14.6  | 14.6 | 14.6   | 14.8  | 15.0   | 15.3   | 15.4  | 16.0   | 16.8 |
| ≥ 8000          | 8.7                      | 12.6 | 13.4 | 13.8 | 14.1 | 14.3  | 14.9 | 14.9  | 14.9 | 14.9   | 15.2  | 15.3   | 15.6   | 15.7  | 16.2   | 17.1 |
| ≥ 7000          | 8.7                      | 12.6 | 13.4 | 13.8 | 14.1 | 14.3  | 14.9 | 14.9  | 14.9 | 14.9   | 15.2  | 15.3   | 15.6   | 15.7  | 16.2   | 17.1 |
| ≥ 6000          | 8.7                      | 12.6 | 13.4 | 13.8 | 14.1 | 14.3  | 14.9 | 14.9  | 14.9 | 14.9   | 15.2  | 15.3   | 15.6   | 15.7  | 16.2   | 17.1 |
| ≥ 5000          | 8.7                      | 12.6 | 13.4 | 13.8 | 14.1 | 14.3  | 14.9 | 14.9  | 14.9 | 14.9   | 15.2  | 15.3   | 15.6   | 15.7  | 16.2   | 17.1 |
| ≥ 4500          | 8.7                      | 12.6 | 13.4 | 13.8 | 14.1 | 14.3  | 14.9 | 14.9  | 14.9 | 14.9   | 15.2  | 15.3   | 15.6   | 15.7  | 16.2   | 17.1 |
| ≥ 4000          | 8.8                      | 12.7 | 13.5 | 13.9 | 14.2 | 14.5  | 15.0 | 15.0  | 15.0 | 15.0   | 15.3  | 15.4   | 15.7   | 15.8  | 16.4   | 17.2 |
| ≥ 3500          | 8.9                      | 12.9 | 13.7 | 14.1 | 14.3 | 14.6  | 15.2 | 15.2  | 15.2 | 15.2   | 15.4  | 15.6   | 15.8   | 16.0  | 16.5   | 17.3 |
| ≥ 3000          | 9.1                      | 13.0 | 13.8 | 14.2 | 14.5 | 14.7  | 15.3 | 15.3  | 15.3 | 15.3   | 15.6  | 15.7   | 16.0   | 16.1  | 16.6   | 17.5 |
| ≥ 2500          | 9.3                      | 13.3 | 14.1 | 14.5 | 14.7 | 15.0  | 15.6 | 15.6  | 15.6 | 15.6   | 15.8  | 16.0   | 16.2   | 16.4  | 16.9   | 17.7 |
| ≥ 2000          | 9.3                      | 13.3 | 14.1 | 14.5 | 14.7 | 15.0  | 15.6 | 15.6  | 15.6 | 15.6   | 15.8  | 16.0   | 16.2   | 16.4  | 16.9   | 17.7 |
| ≥ 1800          | 9.3                      | 13.3 | 14.1 | 14.5 | 14.7 | 15.0  | 15.6 | 15.6  | 15.6 | 15.6   | 15.8  | 16.0   | 16.2   | 16.4  | 16.9   | 17.7 |
| ≥ 1500          | 9.5                      | 14.1 | 15.0 | 15.4 | 15.7 | 16.0  | 16.5 | 16.5  | 16.5 | 16.5   | 16.8  | 16.9   | 17.2   | 17.3  | 17.9   | 18.7 |
| ≥ 1200          | 9.7                      | 14.7 | 15.8 | 16.2 | 16.5 | 16.8  | 17.3 | 17.3  | 17.3 | 17.3   | 17.6  | 17.7   | 18.0   | 18.1  | 18.7   | 19.5 |
| ≥ 1000          | 9.9                      | 15.4 | 16.5 | 16.9 | 17.2 | 17.5  | 18.1 | 18.1  | 18.1 | 18.1   | 18.4  | 18.5   | 18.8   | 18.9  | 19.5   | 20.3 |
| ≥ 900           | 10.3                     | 15.8 | 16.9 | 17.3 | 17.6 | 17.9  | 18.5 | 18.5  | 18.5 | 18.5   | 18.8  | 18.9   | 19.2   | 19.4  | 19.9   | 20.7 |
| ≥ 800           | 10.6                     | 17.3 | 18.4 | 19.1 | 19.6 | 19.9  | 20.6 | 20.6  | 20.6 | 20.6   | 20.8  | 21.0   | 21.2   | 21.4  | 21.9   | 22.7 |
| ≥ 700           | 10.7                     | 18.4 | 19.5 | 20.3 | 21.0 | 21.5  | 22.3 | 22.3  | 22.3 | 22.3   | 22.6  | 22.7   | 23.0   | 23.1  | 23.7   | 24.5 |
| ≥ 600           | 10.7                     | 18.4 | 19.5 | 20.3 | 21.0 | 21.5  | 22.3 | 22.3  | 22.3 | 22.3   | 22.6  | 22.7   | 23.0   | 23.1  | 23.7   | 24.5 |
| ≥ 500           | 10.7                     | 19.9 | 22.1 | 24.8 | 27.5 | 28.7  | 29.9 | 29.9  | 29.9 | 29.9   | 30.2  | 30.4   | 30.9   | 31.0  | 31.5   | 32.3 |
| ≥ 400           | 10.7                     | 20.2 | 23.1 | 26.9 | 31.0 | 32.5  | 34.6 | 36.0  | 36.1 | 36.4   | 36.9  | 37.5   | 38.2   | 38.4  | 39.1   | 39.9 |
| ≥ 300           | 10.7                     | 20.3 | 23.4 | 28.0 | 33.7 | 36.7  | 40.7 | 44.4  | 44.7 | 45.9   | 48.2  | 49.3   | 50.3   | 51.6  | 52.5   | 54.7 |
| ≥ 200           | 10.7                     | 20.3 | 23.4 | 28.0 | 34.0 | 37.8  | 43.2 | 48.6  | 49.5 | 51.6   | 54.9  | 57.2   | 61.0   | 64.3  | 78.3   | 98.1 |
| ≥ 100           | 10.7                     | 20.3 | 23.4 | 28.0 | 34.0 | 37.8  | 43.2 | 48.6  | 49.5 | 51.6   | 54.9  | 57.2   | 61.0   | 64.3  | 78.3   | 98.1 |
| ≥ 0             | 10.7                     | 20.3 | 23.4 | 28.0 | 34.0 | 37.8  | 43.2 | 48.6  | 49.5 | 51.6   | 54.9  | 57.2   | 61.0   | 64.3  | 78.3   | 98.1 |

TOTAL NUMBER OF OBSERVATIONS

739



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

ADG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100

| CEILING<br>FEET | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |       |      |       |        |       |        |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|--------|-------|--------|
|                 | ≥10                        | ≥6   | ≥5   | ≥4   | ≥3   | ≥2.5 | ≥2   | ≥1.5 | ≥1   | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0.005 |
| NO CEILING      | 21.3                       | 40.0 | 41.9 | 42.8 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0  | 43.0 | 43.0  | 43.0   | 43.0  | 43.0   |
| ≥ 20000         | 21.7                       | 40.4 | 42.4 | 43.3 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4  | 43.4 | 43.4  | 43.4   | 43.4  | 43.4   |
| ≥ 18000         | 22.0                       | 40.9 | 42.8 | 43.8 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9  | 43.9 | 43.9  | 43.9   | 43.9  | 43.9   |
| ≥ 16000         | 22.0                       | 40.9 | 42.8 | 43.8 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9  | 43.9 | 43.9  | 43.9   | 43.9  | 43.9   |
| ≥ 14000         | 22.0                       | 41.0 | 43.1 | 44.0 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2  | 44.2 | 44.2  | 44.2   | 44.2  | 44.2   |
| ≥ 12000         | 22.5                       | 42.1 | 44.2 | 45.1 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2  | 45.2 | 45.2  | 45.2   | 45.2  | 45.2   |
| ≥ 10000         | 22.7                       | 42.5 | 44.5 | 45.8 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0  | 46.0 | 46.0  | 46.0   | 46.0  | 46.0   |
| ≥ 9000          | 22.7                       | 42.5 | 44.5 | 45.8 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0  | 46.0 | 46.0  | 46.0   | 46.0  | 46.0   |
| ≥ 8000          | 23.1                       | 42.8 | 44.9 | 46.2 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3  | 46.3 | 46.3  | 46.3   | 46.3  | 46.3   |
| ≥ 7000          | 23.2                       | 43.0 | 45.0 | 46.3 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5  | 46.5 | 46.5  | 46.5   | 46.5  | 46.5   |
| ≥ 6000          | 23.2                       | 43.0 | 45.0 | 46.3 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5  | 46.5 | 46.5  | 46.5   | 46.5  | 46.5   |
| ≥ 5000          | 23.3                       | 43.1 | 45.1 | 46.5 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6  | 46.6 | 46.6  | 46.6   | 46.6  | 46.6   |
| ≥ 4500          | 23.6                       | 43.3 | 45.4 | 46.7 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8  | 46.8 | 46.8  | 46.8   | 46.8  | 46.8   |
| ≥ 4000          | 23.6                       | 43.3 | 45.4 | 46.7 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8  | 46.8 | 46.8  | 46.8   | 46.8  | 46.8   |
| ≥ 3500          | 23.6                       | 43.3 | 45.4 | 46.7 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8  | 46.8 | 46.8  | 46.8   | 46.8  | 46.8   |
| ≥ 3000          | 23.6                       | 43.3 | 45.4 | 46.7 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8  | 46.8 | 46.8  | 46.8   | 46.8  | 46.8   |
| ≥ 2500          | 23.6                       | 43.3 | 45.4 | 46.7 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8  | 46.8 | 46.8  | 46.8   | 46.8  | 46.8   |
| ≥ 2000          | 23.7                       | 43.6 | 45.7 | 47.1 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2  | 47.2 | 47.2  | 47.2   | 47.2  | 47.2   |
| ≥ 1800          | 23.8                       | 43.8 | 46.0 | 47.3 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4  | 47.4 | 47.4  | 47.4   | 47.4  | 47.4   |
| ≥ 1500          | 24.2                       | 44.5 | 46.8 | 48.1 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3  | 48.3 | 48.3  | 48.3   | 48.3  | 48.3   |
| ≥ 1200          | 25.0                       | 46.2 | 48.5 | 49.8 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9  | 49.9 | 49.9  | 49.9   | 49.9  | 49.9   |
| ≥ 1000          | 25.8                       | 49.6 | 52.0 | 53.4 | 53.5 | 53.5 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8  | 53.8 | 53.8  | 53.8   | 53.8  | 53.8   |
| ≥ 900           | 26.1                       | 52.0 | 54.0 | 56.3 | 56.6 | 56.6 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8  | 56.8 | 56.8  | 56.8   | 56.8  | 56.8   |
| ≥ 800           | 26.5                       | 54.6 | 58.0 | 60.5 | 61.1 | 61.1 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4  | 61.4 | 61.4  | 61.4   | 61.4  | 61.4   |
| ≥ 700           | 26.6                       | 55.9 | 61.7 | 65.1 | 65.7 | 65.7 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9  | 65.9 | 65.9  | 65.9   | 65.9  | 65.9   |
| ≥ 600           | 26.6                       | 59.6 | 65.6 | 70.6 | 71.8 | 71.8 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1  | 72.1 | 72.1  | 72.1   | 72.1  | 72.1   |
| ≥ 500           | 26.6                       | 60.0 | 68.7 | 77.1 | 79.7 | 80.1 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5  | 80.5 | 80.5  | 80.5   | 80.5  | 80.5   |
| ≥ 400           | 26.6                       | 60.8 | 70.0 | 81.1 | 83.7 | 87.1 | 88.8 | 90.1 | 90.1 | 90.1 | 90.1  | 90.4 | 90.5  | 90.5   | 90.5  | 90.5   |
| ≥ 300           | 26.6                       | 60.9 | 70.2 | 81.9 | 87.0 | 88.7 | 91.5 | 94.1 | 94.3 | 94.7 | 95.3  | 95.5 | 95.8  | 95.8   | 96.1  | 96.1   |
| ≥ 200           | 26.6                       | 60.9 | 70.2 | 81.9 | 87.0 | 89.0 | 91.8 | 95.2 | 95.4 | 95.9 | 96.9  | 97.4 | 98.2  | 98.2   | 98.9  | 99.0   |
| ≥ 100           | 26.6                       | 60.9 | 70.2 | 81.9 | 87.0 | 89.0 | 91.8 | 95.2 | 95.4 | 95.9 | 96.9  | 97.4 | 98.2  | 98.3   | 99.4  | 100.0  |
| ≥ 0             | 26.6                       | 60.9 | 70.2 | 81.9 | 87.0 | 89.0 | 91.8 | 95.2 | 95.4 | 95.9 | 96.9  | 97.4 | 98.2  | 98.3   | 99.4  | 100.0  |

TOTAL NUMBER OF OBSERVATIONS

831

## CEILING VERSUS VISIBILITY

93214 VANDENBERG AFB CA

7-70, 73-7d

مجلس

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

|   |      | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|---|------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|   |      | 210                      | 20   | 25   | 24   | 23   | 22   | 22   | 21   | 21   | 20   | 20   | 19   | 18   | 17   | 16   | 15   |
| 1 | 1000 | 39.0                     | 05.0 | 66.4 | 67.4 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
|   | 800  | 40.2                     | 06.5 | 68.0 | 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 |
| 1 | 600  | 40.2                     | 06.5 | 68.0 | 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 |
|   | 400  | 40.2                     | 06.5 | 68.0 | 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 |
| 1 | 200  | 40.2                     | 06.5 | 68.0 | 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 |
|   | 100  | 40.8                     | 07.8 | 69.0 | 69.9 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 |
| 1 | 1000 | 40.8                     | 07.8 | 69.2 | 70.4 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 |
|   | 800  | 40.8                     | 07.8 | 69.2 | 70.4 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 |
| 1 | 600  | 41.2                     | 08.1 | 69.9 | 70.8 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 |
|   | 400  | 41.2                     | 08.1 | 69.9 | 70.8 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 |
| 1 | 200  | 41.2                     | 08.1 | 69.9 | 70.8 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 |
|   | 100  | 41.5                     | 08.4 | 69.7 | 70.9 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| 1 | 1000 | 41.5                     | 08.4 | 69.8 | 71.7 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
|   | 800  | 41.5                     | 08.4 | 69.8 | 71.7 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| 1 | 600  | 41.5                     | 08.4 | 69.8 | 71.7 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
|   | 400  | 41.7                     | 08.6 | 70.1 | 71.3 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 |
| 1 | 200  | 41.7                     | 08.6 | 70.1 | 71.3 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 |
|   | 100  | 41.7                     | 08.6 | 70.1 | 71.3 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 |
| 1 | 1000 | 41.8                     | 08.7 | 70.2 | 71.4 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
|   | 800  | 41.8                     | 08.7 | 70.2 | 71.4 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1 | 600  | 41.8                     | 08.8 | 70.3 | 71.5 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 |
|   | 400  | 42.4                     | 09.7 | 71.2 | 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 |
| 1 | 200  | 42.8                     | 10.1 | 71.5 | 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 |
|   | 100  | 43.9                     | 11.8 | 73.2 | 74.4 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 |
| 1 | 1000 | 44.7                     | 14.5 | 76.0 | 77.2 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
|   | 800  | 45.5                     | 17.8 | 79.3 | 80.5 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 |
| 1 | 600  | 45.8                     | 18.5 | 83.5 | 85.0 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
|   | 400  | 45.9                     | 18.0 | 85.3 | 87.2 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 |
| 1 | 200  | 45.9                     | 18.0 | 87.6 | 90.1 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
|   | 100  | 45.9                     | 18.7 | 90.1 | 93.1 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| 1 | 1000 | 45.9                     | 18.3 | 91.0 | 95.3 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
|   | 800  | 45.9                     | 18.5 | 92.4 | 96.5 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 1 | 600  | 45.9                     | 18.8 | 92.6 | 96.8 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
|   | 400  | 45.9                     | 18.8 | 92.6 | 96.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 1 | 200  | 45.9                     | 18.8 | 92.6 | 96.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
|   | 100  | 45.9                     | 18.8 | 92.6 | 96.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |

TOTAL NUMBER OF OBSERVATIONS

925

GLOBAL CLIMATOLOGY BRANCH  
USAFETAL  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2  | ≥ 2  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1   |
| NO CEILING      | 32.6                     | 51.2 | 53.1 | 53.7 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1  |
| ≥ 20000         | 33.0                     | 52.1 | 54.0 | 54.7 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1  |
| ≥ 18000         | 33.0                     | 52.1 | 54.0 | 54.7 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1  |
| ≥ 16000         | 33.0                     | 52.1 | 54.0 | 54.7 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1  |
| ≥ 14000         | 33.0                     | 52.4 | 54.3 | 55.0 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4  |
| ≥ 12000         | 33.1                     | 52.9 | 54.8 | 55.5 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9  |
| ≥ 10000         | 33.1                     | 53.1 | 55.0 | 55.6 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0  |
| ≥ 9000          | 33.2                     | 53.2 | 55.1 | 55.8 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2  |
| ≥ 8000          | 33.5                     | 53.5 | 55.4 | 56.0 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4  |
| ≥ 7000          | 33.8                     | 53.7 | 55.6 | 56.3 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7  |
| ≥ 6000          | 33.8                     | 53.7 | 55.6 | 56.3 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7  |
| ≥ 5000          | 33.8                     | 53.7 | 55.6 | 56.3 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7  |
| ≥ 4500          | 33.8                     | 53.7 | 55.6 | 56.3 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7  |
| ≥ 4000          | 33.8                     | 53.7 | 55.6 | 56.3 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7  |
| ≥ 3500          | 33.8                     | 53.7 | 55.6 | 56.3 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7  |
| ≥ 3000          | 33.8                     | 53.7 | 55.6 | 56.3 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7  |
| ≥ 2500          | 33.8                     | 53.7 | 55.6 | 56.3 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7  |
| ≥ 2000          | 34.1                     | 54.0 | 55.9 | 56.6 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0  |
| ≥ 1800          | 34.2                     | 54.1 | 56.0 | 56.7 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1  |
| ≥ 1500          | 35.3                     | 55.8 | 57.7 | 58.3 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8  |
| ≥ 1200          | 36.6                     | 58.2 | 60.1 | 60.8 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2  |
| ≥ 1000          | 37.9                     | 62.3 | 64.2 | 64.9 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3  |
| ≥ 900           | 39.2                     | 66.2 | 68.1 | 68.8 | 69.2 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3  |
| ≥ 800           | 39.9                     | 68.4 | 71.5 | 72.6 | 73.1 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3  |
| ≥ 700           | 40.3                     | 72.3 | 76.7 | 78.6 | 79.1 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4  |
| ≥ 600           | 40.7                     | 77.5 | 83.4 | 87.2 | 87.9 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5  |
| ≥ 500           | 40.7                     | 79.9 | 87.0 | 92.0 | 93.4 | 93.6 | 93.8 | 93.8 | 93.8 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9  |
| ≥ 400           | 40.7                     | 80.5 | 87.8 | 93.2 | 95.5 | 96.2 | 96.9 | 97.0 | 97.0 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7  |
| ≥ 300           | 40.7                     | 80.6 | 88.1 | 93.9 | 96.3 | 97.0 | 97.7 | 98.2 | 98.2 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.2 | 99.3  |
| ≥ 200           | 40.7                     | 80.6 | 88.1 | 93.9 | 96.3 | 97.0 | 97.7 | 98.5 | 98.5 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.9 | 100.0 |
| ≥ 100           | 40.7                     | 80.6 | 88.1 | 93.9 | 96.3 | 97.0 | 97.7 | 98.5 | 98.5 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.9 | 100.0 |
| ≥ 0             | 40.7                     | 80.6 | 88.1 | 93.9 | 96.3 | 97.0 | 97.7 | 98.5 | 98.5 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

737

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-74

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |       |      |       |      |       |      |       |      |       |       |       |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|-------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ 0   |
| NO CEILING      | 17.7                       | 27.1 | 27.6 | 28.3 | 28.7 | 28.7  | 28.9 | 29.0  | 29.0 | 29.0  | 29.0 | 29.0  | 29.0 | 29.0  | 29.0  | 29.0  |
| ≥ 20000         | 17.7                       | 27.1 | 27.6 | 28.3 | 28.7 | 28.7  | 28.9 | 29.0  | 29.0 | 29.0  | 29.0 | 29.0  | 29.0 | 29.0  | 29.0  | 29.0  |
| ≥ 18000         | 17.7                       | 27.1 | 27.6 | 28.3 | 28.7 | 28.7  | 28.9 | 29.0  | 29.0 | 29.0  | 29.0 | 29.0  | 29.0 | 29.0  | 29.0  | 29.0  |
| ≥ 16000         | 17.7                       | 27.1 | 27.6 | 28.3 | 28.7 | 28.7  | 28.9 | 29.0  | 29.0 | 29.0  | 29.0 | 29.0  | 29.0 | 29.0  | 29.0  | 29.0  |
| ≥ 14000         | 17.7                       | 27.2 | 27.8 | 28.5 | 28.9 | 28.9  | 29.0 | 29.2  | 29.2 | 29.2  | 29.2 | 29.2  | 29.2 | 29.2  | 29.2  | 29.2  |
| ≥ 12000         | 17.9                       | 27.4 | 28.0 | 28.7 | 29.0 | 29.0  | 29.2 | 29.4  | 29.4 | 29.4  | 29.4 | 29.4  | 29.4 | 29.4  | 29.4  | 29.4  |
| ≥ 10000         | 18.3                       | 27.8 | 28.3 | 29.0 | 29.4 | 29.4  | 29.6 | 29.7  | 29.7 | 29.7  | 29.7 | 29.7  | 29.7 | 29.7  | 29.7  | 29.7  |
| ≥ 9000          | 18.3                       | 27.8 | 28.3 | 29.0 | 29.4 | 29.4  | 29.6 | 29.7  | 29.7 | 29.7  | 29.7 | 29.7  | 29.7 | 29.7  | 29.7  | 29.7  |
| ≥ 8000          | 18.5                       | 28.0 | 28.5 | 29.2 | 29.6 | 29.6  | 29.7 | 29.9  | 29.9 | 29.9  | 29.9 | 29.9  | 29.9 | 29.9  | 29.9  | 29.9  |
| ≥ 7000          | 18.5                       | 28.0 | 28.5 | 29.2 | 29.6 | 29.6  | 29.7 | 29.9  | 29.9 | 29.9  | 29.9 | 29.9  | 29.9 | 29.9  | 29.9  | 29.9  |
| ≥ 6000          | 18.5                       | 28.0 | 28.5 | 29.2 | 29.6 | 29.6  | 29.7 | 29.9  | 29.9 | 29.9  | 29.9 | 29.9  | 29.9 | 29.9  | 29.9  | 29.9  |
| ≥ 5000          | 18.5                       | 28.0 | 28.5 | 29.2 | 29.6 | 29.6  | 29.7 | 29.9  | 29.9 | 29.9  | 29.9 | 29.9  | 29.9 | 29.9  | 29.9  | 29.9  |
| ≥ 4500          | 18.5                       | 28.0 | 28.5 | 29.2 | 29.6 | 29.6  | 29.7 | 29.9  | 29.9 | 29.9  | 29.9 | 29.9  | 29.9 | 29.9  | 29.9  | 29.9  |
| ≥ 4000          | 18.5                       | 28.0 | 28.5 | 29.2 | 29.6 | 29.6  | 29.7 | 29.9  | 29.9 | 29.9  | 29.9 | 29.9  | 29.9 | 29.9  | 29.9  | 29.9  |
| ≥ 3500          | 18.5                       | 28.0 | 28.5 | 29.2 | 29.6 | 29.6  | 29.7 | 29.9  | 29.9 | 29.9  | 29.9 | 29.9  | 29.9 | 29.9  | 29.9  | 29.9  |
| ≥ 3000          | 18.5                       | 28.0 | 28.5 | 29.2 | 29.6 | 29.6  | 29.7 | 29.9  | 29.9 | 29.9  | 29.9 | 29.9  | 29.9 | 29.9  | 29.9  | 29.9  |
| ≥ 2500          | 18.5                       | 28.0 | 28.5 | 29.2 | 29.6 | 29.6  | 29.7 | 29.9  | 29.9 | 29.9  | 29.9 | 29.9  | 29.9 | 29.9  | 29.9  | 29.9  |
| ≥ 2000          | 18.5                       | 28.0 | 28.5 | 29.2 | 29.6 | 29.6  | 29.7 | 29.9  | 29.9 | 29.9  | 29.9 | 29.9  | 29.9 | 29.9  | 29.9  | 29.9  |
| ≥ 1800          | 18.5                       | 28.0 | 28.5 | 29.2 | 29.6 | 29.6  | 29.7 | 29.9  | 29.9 | 29.9  | 29.9 | 29.9  | 29.9 | 29.9  | 29.9  | 29.9  |
| ≥ 1500          | 18.5                       | 28.1 | 28.7 | 29.4 | 29.7 | 29.7  | 29.9 | 30.1  | 30.1 | 30.1  | 30.1 | 30.1  | 30.1 | 30.1  | 30.1  | 30.1  |
| ≥ 1200          | 18.8                       | 29.0 | 29.6 | 30.3 | 30.6 | 30.6  | 30.8 | 31.0  | 31.0 | 31.0  | 31.0 | 31.0  | 31.0 | 31.0  | 31.0  | 31.0  |
| ≥ 1000          | 19.9                       | 32.1 | 32.6 | 33.3 | 33.7 | 33.7  | 33.9 | 34.1  | 34.1 | 34.1  | 34.1 | 34.1  | 34.1 | 34.1  | 34.1  | 34.1  |
| ≥ 900           | 20.4                       | 33.3 | 33.9 | 34.6 | 34.9 | 34.9  | 35.1 | 35.3  | 35.3 | 35.3  | 35.3 | 35.3  | 35.3 | 35.3  | 35.3  | 35.3  |
| ≥ 800           | 20.8                       | 34.4 | 34.9 | 35.7 | 36.0 | 36.0  | 36.2 | 36.4  | 36.4 | 36.4  | 36.4 | 36.4  | 36.4 | 36.4  | 36.4  | 36.4  |
| ≥ 700           | 21.3                       | 36.9 | 37.8 | 38.5 | 38.9 | 38.9  | 39.1 | 39.2  | 39.2 | 39.2  | 39.2 | 39.2  | 39.2 | 39.2  | 39.2  | 39.2  |
| ≥ 600           | 21.7                       | 41.2 | 43.7 | 44.4 | 45.0 | 45.0  | 45.2 | 45.3  | 45.3 | 45.3  | 45.3 | 45.3  | 45.3 | 45.3  | 45.3  | 45.3  |
| ≥ 500           | 21.7                       | 46.8 | 52.0 | 54.5 | 55.9 | 56.3  | 56.6 | 56.8  | 56.8 | 56.8  | 56.8 | 56.8  | 56.8 | 56.8  | 56.8  | 56.8  |
| ≥ 400           | 21.7                       | 49.8 | 55.7 | 62.4 | 66.1 | 66.5  | 67.4 | 67.6  | 67.6 | 67.7  | 67.7 | 67.7  | 67.7 | 67.7  | 67.7  | 67.7  |
| ≥ 300           | 21.7                       | 50.7 | 56.8 | 65.1 | 72.2 | 73.3  | 74.9 | 76.5  | 77.1 | 77.4  | 77.6 | 77.6  | 78.1 | 78.1  | 78.9  | 78.9  |
| ≥ 200           | 21.7                       | 50.7 | 56.8 | 65.2 | 72.8 | 74.2  | 77.1 | 80.3  | 81.2 | 83.0  | 83.9 | 84.6  | 86.4 | 86.9  | 90.1  | 91.0  |
| ≥ 100           | 21.7                       | 50.7 | 57.0 | 65.4 | 72.9 | 74.6  | 77.4 | 80.8  | 81.9 | 84.1  | 85.7 | 86.6  | 89.6 | 90.7  | 95.9  | 100.0 |
| ≥ 0             | 21.7                       | 50.7 | 57.0 | 65.4 | 72.9 | 74.6  | 77.4 | 80.8  | 81.9 | 84.1  | 85.7 | 86.6  | 89.6 | 90.7  | 95.9  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

558

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-74, 78

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300

| CEILING<br>FEET | VISIBILITY (STATUTE MILES) |      |      |      |      |       |      |       |       |       |      |       |       |       |       |       |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|-------|-------|------|-------|-------|-------|-------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1.0 | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .10 | ≥ .05 | ≥ .01 | ≥ 0   |
| NO CEILING      | 12.9                       | 22.9 | 24.1 | 25.2 | 25.4 | 25.6  | 25.8 | 25.9  | 25.9  | 26.1  | 26.1 | 26.1  | 26.5  | 26.5  | 26.7  | 26.7  |
| ≥ 20000         | 13.4                       | 23.5 | 24.6 | 25.8 | 25.9 | 26.1  | 26.3 | 26.5  | 26.5  | 26.7  | 26.7 | 26.7  | 27.1  | 27.1  | 27.3  | 27.3  |
| ≥ 18000         | 13.4                       | 23.7 | 24.8 | 25.9 | 26.1 | 26.3  | 26.5 | 26.7  | 26.7  | 26.9  | 26.9 | 26.9  | 27.3  | 27.3  | 27.5  | 27.5  |
| ≥ 16000         | 13.4                       | 23.7 | 24.8 | 25.9 | 26.1 | 26.3  | 26.5 | 26.7  | 26.7  | 26.9  | 26.9 | 26.9  | 27.3  | 27.3  | 27.5  | 27.5  |
| ≥ 14000         | 13.4                       | 24.1 | 25.2 | 26.3 | 26.5 | 26.7  | 26.9 | 27.1  | 27.1  | 27.3  | 27.3 | 27.3  | 27.7  | 27.7  | 27.8  | 27.8  |
| ≥ 12000         | 13.4                       | 24.1 | 25.2 | 26.3 | 26.5 | 26.7  | 26.9 | 27.1  | 27.1  | 27.3  | 27.3 | 27.3  | 27.7  | 27.7  | 27.8  | 27.8  |
| ≥ 10000         | 13.4                       | 24.1 | 25.2 | 26.3 | 26.5 | 26.7  | 26.9 | 27.1  | 27.1  | 27.3  | 27.3 | 27.3  | 27.7  | 27.7  | 27.8  | 27.8  |
| ≥ 9000          | 13.4                       | 24.1 | 25.2 | 26.3 | 26.5 | 26.7  | 26.9 | 27.1  | 27.1  | 27.3  | 27.3 | 27.3  | 27.7  | 27.7  | 27.8  | 27.8  |
| ≥ 8000          | 13.4                       | 24.1 | 25.2 | 26.3 | 26.5 | 26.7  | 26.9 | 27.1  | 27.1  | 27.3  | 27.3 | 27.3  | 27.7  | 27.7  | 27.8  | 27.8  |
| ≥ 7000          | 13.4                       | 24.1 | 25.2 | 26.3 | 26.5 | 26.7  | 26.9 | 27.1  | 27.1  | 27.3  | 27.3 | 27.3  | 27.7  | 27.7  | 27.8  | 27.8  |
| ≥ 6000          | 13.4                       | 24.1 | 25.2 | 26.3 | 26.5 | 26.7  | 26.9 | 27.1  | 27.1  | 27.3  | 27.3 | 27.3  | 27.7  | 27.7  | 27.8  | 27.8  |
| ≥ 5000          | 13.4                       | 24.1 | 25.2 | 26.3 | 26.5 | 26.7  | 26.9 | 27.1  | 27.1  | 27.3  | 27.3 | 27.3  | 27.7  | 27.7  | 27.8  | 27.8  |
| ≥ 4500          | 13.4                       | 24.1 | 25.2 | 26.3 | 26.5 | 26.7  | 26.9 | 27.1  | 27.1  | 27.3  | 27.3 | 27.3  | 27.7  | 27.7  | 27.8  | 27.8  |
| ≥ 4000          | 13.4                       | 24.1 | 25.2 | 26.3 | 26.5 | 26.7  | 26.9 | 27.1  | 27.1  | 27.3  | 27.3 | 27.3  | 27.7  | 27.7  | 27.8  | 27.8  |
| ≥ 3500          | 13.4                       | 24.1 | 25.2 | 26.3 | 26.5 | 26.7  | 26.9 | 27.1  | 27.1  | 27.3  | 27.3 | 27.3  | 27.7  | 27.7  | 27.8  | 27.8  |
| ≥ 3000          | 13.4                       | 24.1 | 25.2 | 26.3 | 26.5 | 26.7  | 26.9 | 27.1  | 27.1  | 27.3  | 27.3 | 27.3  | 27.7  | 27.7  | 27.8  | 27.8  |
| ≥ 2500          | 13.4                       | 24.1 | 25.2 | 26.3 | 26.5 | 26.7  | 26.9 | 27.1  | 27.1  | 27.3  | 27.3 | 27.3  | 27.7  | 27.7  | 27.8  | 27.8  |
| ≥ 2000          | 13.4                       | 24.1 | 25.2 | 26.3 | 26.5 | 26.7  | 26.9 | 27.1  | 27.1  | 27.3  | 27.3 | 27.3  | 27.7  | 27.7  | 27.8  | 27.8  |
| ≥ 1800          | 13.4                       | 24.6 | 25.8 | 26.9 | 27.1 | 27.3  | 27.5 | 27.7  | 27.8  | 27.8  | 28.0 | 28.0  | 28.4  | 28.4  | 28.6  | 28.6  |
| ≥ 1500          | 13.4                       | 24.6 | 25.8 | 26.9 | 27.1 | 27.3  | 27.5 | 27.7  | 27.8  | 27.8  | 28.0 | 28.0  | 28.4  | 28.4  | 28.6  | 28.6  |
| ≥ 1200          | 13.6                       | 25.2 | 26.7 | 27.8 | 28.0 | 28.2  | 28.4 | 28.6  | 28.6  | 28.8  | 28.8 | 28.8  | 29.2  | 29.2  | 29.4  | 29.4  |
| ≥ 1000          | 13.8                       | 25.6 | 27.1 | 28.2 | 28.4 | 28.6  | 28.8 | 29.0  | 29.0  | 29.2  | 29.2 | 29.2  | 29.5  | 29.5  | 29.7  | 29.7  |
| ≥ 900           | 14.4                       | 27.1 | 28.6 | 29.7 | 29.9 | 30.1  | 30.3 | 30.5  | 30.5  | 30.7  | 30.7 | 30.7  | 31.1  | 31.1  | 31.3  | 31.3  |
| ≥ 800           | 14.6                       | 27.7 | 29.2 | 30.3 | 30.5 | 30.7  | 30.9 | 31.1  | 31.1  | 31.3  | 31.3 | 31.3  | 31.6  | 31.6  | 31.8  | 31.8  |
| ≥ 700           | 15.0                       | 28.4 | 29.9 | 31.1 | 31.3 | 31.4  | 31.6 | 31.8  | 31.8  | 32.0  | 32.0 | 32.0  | 32.4  | 32.4  | 32.6  | 32.6  |
| ≥ 600           | 15.3                       | 31.3 | 33.0 | 34.1 | 34.3 | 34.5  | 34.7 | 34.8  | 34.8  | 35.0  | 35.0 | 35.0  | 35.4  | 35.4  | 35.6  | 35.6  |
| ≥ 500           | 15.3                       | 35.0 | 37.1 | 38.6 | 38.8 | 39.0  | 39.2 | 39.4  | 39.4  | 39.6  | 39.6 | 39.6  | 40.0  | 40.0  | 40.2  | 40.2  |
| ≥ 400           | 15.3                       | 39.4 | 42.4 | 46.6 | 47.5 | 47.9  | 48.3 | 48.7  | 48.7  | 49.1  | 49.1 | 49.1  | 49.4  | 49.4  | 49.6  | 49.6  |
| ≥ 300           | 15.3                       | 42.4 | 45.8 | 52.1 | 53.9 | 56.6  | 57.2 | 57.8  | 57.8  | 58.3  | 58.5 | 58.5  | 58.9  | 58.9  | 59.1  | 59.1  |
| ≥ 200           | 15.3                       | 42.8 | 46.4 | 53.4 | 58.0 | 58.9  | 61.6 | 64.8  | 65.3  | 66.3  | 68.4 | 68.8  | 70.8  | 71.0  | 74.6  | 75.8  |
| ≥ 100           | 15.3                       | 42.8 | 46.4 | 54.0 | 59.1 | 60.4  | 63.1 | 66.5  | 67.2  | 68.8  | 71.0 | 72.5  | 76.5  | 77.5  | 86.7  | 98.1  |
| ≥ 0             | 15.3                       | 42.8 | 46.4 | 54.0 | 59.1 | 60.4  | 63.1 | 66.5  | 67.2  | 68.8  | 71.0 | 72.5  | 76.5  | 77.5  | 87.1  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

528

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214 VANDENBERG AFB CA

7-70.73-78

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |      |       |      |       |      |       |       |       |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ 0   |
| NO CEILING      | 20.3                     | 33.7 | 34.8 | 35.0 | 35.9 | 36.0  | 36.1 | 36.2  | 36.3 | 36.4  | 36.5 | 36.6  | 36.7 | 36.8  | 36.9  | 37.1  |
| ≥ 20000         | 20.7                     | 34.2 | 35.3 | 36.1 | 36.5 | 36.5  | 36.7 | 36.7  | 36.8 | 36.9  | 37.0 | 37.0  | 37.2 | 37.2  | 37.4  | 37.7  |
| ≥ 18000         | 20.8                     | 34.3 | 35.4 | 36.3 | 36.6 | 36.7  | 36.8 | 36.9  | 36.9 | 37.0  | 37.1 | 37.2  | 37.3 | 37.3  | 37.6  | 37.8  |
| ≥ 16000         | 20.8                     | 34.3 | 35.4 | 36.3 | 36.6 | 36.7  | 36.8 | 36.9  | 36.9 | 37.0  | 37.1 | 37.2  | 37.3 | 37.3  | 37.6  | 37.8  |
| ≥ 14000         | 20.8                     | 34.3 | 35.7 | 36.5 | 36.8 | 36.9  | 37.1 | 37.1  | 37.2 | 37.3  | 37.4 | 37.4  | 37.6 | 37.6  | 37.8  | 38.0  |
| ≥ 12000         | 21.0                     | 34.9 | 36.0 | 36.9 | 37.2 | 37.3  | 37.5 | 37.5  | 37.6 | 37.7  | 37.8 | 37.8  | 38.0 | 38.0  | 38.2  | 38.5  |
| ≥ 10000         | 21.1                     | 35.2 | 36.3 | 37.2 | 37.6 | 37.7  | 37.8 | 37.9  | 38.0 | 38.1  | 38.1 | 38.2  | 38.3 | 38.4  | 38.6  | 38.8  |
| ≥ 9000          | 21.1                     | 35.2 | 36.3 | 37.2 | 37.6 | 37.7  | 37.8 | 37.9  | 38.0 | 38.1  | 38.2 | 38.3  | 38.4 | 38.4  | 38.6  | 38.8  |
| ≥ 8000          | 21.3                     | 35.4 | 36.5 | 37.5 | 37.8 | 37.9  | 38.1 | 38.1  | 38.2 | 38.3  | 38.4 | 38.4  | 38.6 | 38.6  | 38.8  | 39.1  |
| ≥ 7000          | 21.4                     | 35.5 | 36.6 | 37.5 | 37.9 | 38.0  | 38.1 | 38.2  | 38.3 | 38.4  | 38.5 | 38.5  | 38.6 | 38.7  | 38.9  | 39.1  |
| ≥ 6000          | 21.4                     | 35.5 | 36.6 | 37.6 | 37.9 | 38.0  | 38.2 | 38.2  | 38.3 | 38.4  | 38.5 | 38.5  | 38.7 | 38.7  | 38.9  | 39.1  |
| ≥ 5000          | 21.4                     | 35.5 | 36.7 | 37.6 | 37.9 | 38.0  | 38.2 | 38.2  | 38.3 | 38.4  | 38.5 | 38.5  | 38.7 | 38.7  | 38.9  | 39.2  |
| ≥ 4500          | 21.5                     | 35.6 | 36.7 | 37.7 | 38.0 | 38.1  | 38.3 | 38.3  | 38.4 | 38.5  | 38.6 | 38.6  | 38.8 | 38.8  | 39.0  | 39.2  |
| ≥ 4000          | 21.5                     | 35.6 | 36.8 | 37.7 | 38.0 | 38.1  | 38.3 | 38.3  | 38.4 | 38.5  | 38.6 | 38.6  | 38.8 | 38.8  | 39.0  | 39.3  |
| ≥ 3500          | 21.6                     | 35.6 | 36.8 | 37.7 | 38.1 | 38.1  | 38.3 | 38.4  | 38.4 | 38.5  | 38.6 | 38.6  | 38.8 | 38.8  | 39.1  | 39.3  |
| ≥ 3000          | 21.6                     | 35.7 | 36.8 | 37.8 | 38.1 | 38.2  | 38.4 | 38.4  | 38.5 | 38.6  | 38.7 | 38.7  | 38.9 | 38.9  | 39.1  | 39.3  |
| ≥ 2500          | 21.6                     | 35.8 | 36.9 | 37.8 | 38.2 | 38.3  | 38.5 | 38.5  | 38.6 | 38.7  | 38.8 | 38.8  | 39.0 | 39.0  | 39.2  | 39.4  |
| ≥ 2000          | 21.8                     | 36.1 | 37.2 | 38.1 | 38.5 | 38.6  | 38.7 | 38.8  | 38.9 | 39.0  | 39.1 | 39.1  | 39.2 | 39.3  | 39.5  | 39.7  |
| ≥ 1800          | 21.9                     | 36.3 | 37.5 | 38.4 | 38.8 | 38.9  | 39.0 | 39.1  | 39.2 | 39.3  | 39.3 | 39.4  | 39.5 | 39.6  | 39.8  | 40.0  |
| ≥ 1500          | 22.3                     | 37.0 | 38.3 | 39.2 | 39.5 | 39.6  | 39.8 | 39.8  | 39.9 | 40.0  | 40.1 | 40.1  | 40.3 | 40.3  | 40.5  | 40.8  |
| ≥ 1200          | 22.9                     | 38.4 | 39.6 | 40.5 | 40.9 | 41.0  | 41.1 | 41.2  | 41.3 | 41.4  | 41.4 | 41.5  | 41.6 | 41.7  | 41.9  | 42.1  |
| ≥ 1000          | 23.4                     | 40.5 | 41.8 | 42.7 | 43.1 | 43.2  | 43.4 | 43.5  | 43.6 | 43.7  | 43.8 | 43.8  | 43.9 | 44.0  | 44.2  | 44.4  |
| ≥ 900           | 23.9                     | 42.5 | 43.9 | 45.0 | 45.4 | 45.5  | 45.7 | 45.7  | 45.8 | 45.9  | 46.0 | 46.0  | 46.2 | 46.2  | 46.4  | 46.7  |
| ≥ 800           | 24.2                     | 43.9 | 45.7 | 47.0 | 47.5 | 47.6  | 47.8 | 47.9  | 48.0 | 48.1  | 48.1 | 48.2  | 48.3 | 48.4  | 48.6  | 48.8  |
| ≥ 700           | 24.4                     | 45.8 | 48.0 | 49.7 | 50.3 | 50.4  | 50.7 | 50.7  | 50.8 | 50.9  | 51.0 | 51.0  | 51.2 | 51.2  | 51.4  | 51.6  |
| ≥ 600           | 24.6                     | 48.2 | 51.4 | 53.7 | 54.6 | 54.7  | 55.0 | 55.1  | 55.1 | 55.3  | 55.3 | 55.4  | 55.6 | 55.6  | 55.8  | 56.0  |
| ≥ 500           | 24.6                     | 50.1 | 54.4 | 58.1 | 59.6 | 60.0  | 60.4 | 60.4  | 60.5 | 60.6  | 60.7 | 60.8  | 60.9 | 61.0  | 61.2  | 61.4  |
| ≥ 400           | 24.6                     | 51.6 | 56.5 | 61.9 | 64.6 | 65.2  | 66.2 | 66.7  | 66.8 | 67.0  | 67.2 | 67.4  | 67.6 | 67.6  | 67.9  | 68.1  |
| ≥ 300           | 24.6                     | 52.2 | 57.3 | 63.7 | 67.7 | 68.8  | 70.4 | 71.9  | 72.1 | 72.6  | 73.2 | 73.4  | 73.8 | 74.0  | 74.5  | 74.9  |
| ≥ 200           | 24.6                     | 52.3 | 57.4 | 64.1 | 68.4 | 69.8  | 72.0 | 74.9  | 75.5 | 76.6  | 77.8 | 78.4  | 79.8 | 80.2  | 82.8  | 84.4  |
| ≥ 100           | 24.6                     | 52.3 | 57.4 | 64.1 | 68.6 | 70.1  | 72.4 | 75.4  | 76.1 | 77.4  | 78.8 | 79.7  | 81.7 | 82.7  | 89.4  | 99.1  |
| ≥ 0             | 24.6                     | 52.3 | 57.4 | 64.1 | 68.6 | 70.1  | 72.4 | 75.4  | 76.1 | 77.4  | 78.8 | 79.7  | 81.8 | 82.7  | 89.5  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

5152

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

7-70  
YEARS

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |       |      |       |      |      |      |       |      |       |      |       |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|------|------|------|-------|------|-------|------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ .5 | ≥ .3 | ≥ .25 | ≥ .2 | ≥ .15 | ≥ .1 | ≥ .05 |
| NO CEILING      | 22.8                       | 33.9 | 33.9 | 34.4 | 34.7 | 34.7  | 34.7 | 35.0  | 35.0 | 35.0 | 35.0 | 35.3  | 35.6 | 35.8  | 36.1 | 38.1  |
| ≥ 20000         | 22.8                       | 33.9 | 33.9 | 34.4 | 34.7 | 34.7  | 34.7 | 35.0  | 35.0 | 35.0 | 35.0 | 35.3  | 35.6 | 35.8  | 36.1 | 38.3  |
| ≥ 18000         | 22.8                       | 33.9 | 33.9 | 34.4 | 34.7 | 34.7  | 34.7 | 35.0  | 35.0 | 35.0 | 35.0 | 35.3  | 35.6 | 35.8  | 36.1 | 38.3  |
| ≥ 16000         | 22.8                       | 33.9 | 33.9 | 34.4 | 34.7 | 34.7  | 34.7 | 35.0  | 35.0 | 35.0 | 35.0 | 35.3  | 35.6 | 35.8  | 36.1 | 38.3  |
| ≥ 14000         | 22.8                       | 33.9 | 33.9 | 34.4 | 34.7 | 34.7  | 34.7 | 35.0  | 35.0 | 35.0 | 35.0 | 35.3  | 35.6 | 35.8  | 36.1 | 38.3  |
| ≥ 12000         | 22.8                       | 33.9 | 34.2 | 34.7 | 35.0 | 35.0  | 35.0 | 35.3  | 35.3 | 35.3 | 35.3 | 35.6  | 35.8 | 36.1  | 36.4 | 38.6  |
| ≥ 10000         | 23.1                       | 34.2 | 34.4 | 35.0 | 35.3 | 35.3  | 35.3 | 35.6  | 35.6 | 35.6 | 35.6 | 35.8  | 36.1 | 36.4  | 36.7 | 38.9  |
| ≥ 9000          | 23.1                       | 34.2 | 34.4 | 35.0 | 35.3 | 35.3  | 35.3 | 35.6  | 35.6 | 35.6 | 35.6 | 35.8  | 36.1 | 36.4  | 36.7 | 38.9  |
| ≥ 8000          | 23.1                       | 34.2 | 34.4 | 35.0 | 35.3 | 35.3  | 35.3 | 35.6  | 35.6 | 35.6 | 35.6 | 35.8  | 36.1 | 36.4  | 36.7 | 38.9  |
| ≥ 7000          | 23.1                       | 34.2 | 34.4 | 35.0 | 35.3 | 35.3  | 35.3 | 35.6  | 35.6 | 35.6 | 35.6 | 35.8  | 36.1 | 36.4  | 36.7 | 38.9  |
| ≥ 6000          | 23.1                       | 35.0 | 35.3 | 35.8 | 36.1 | 36.1  | 36.1 | 36.4  | 36.4 | 36.4 | 36.4 | 36.7  | 36.9 | 37.2  | 37.5 | 39.7  |
| ≥ 5000          | 23.1                       | 35.0 | 35.3 | 35.8 | 36.1 | 36.1  | 36.1 | 36.4  | 36.4 | 36.4 | 36.4 | 36.7  | 36.9 | 37.2  | 37.5 | 39.7  |
| ≥ 4500          | 23.1                       | 35.0 | 35.3 | 35.8 | 36.1 | 36.1  | 36.1 | 36.4  | 36.4 | 36.4 | 36.4 | 36.7  | 36.9 | 37.2  | 37.5 | 39.7  |
| ≥ 4000          | 23.1                       | 35.0 | 35.3 | 36.1 | 36.4 | 36.4  | 36.4 | 36.7  | 36.7 | 36.7 | 36.7 | 36.9  | 37.2 | 37.5  | 37.8 | 40.0  |
| ≥ 3500          | 23.1                       | 35.0 | 35.3 | 36.1 | 36.4 | 36.4  | 36.4 | 36.7  | 36.7 | 36.7 | 36.7 | 36.9  | 37.2 | 37.5  | 37.8 | 40.0  |
| ≥ 3000          | 23.6                       | 35.6 | 35.8 | 36.7 | 36.9 | 36.9  | 36.9 | 37.2  | 37.2 | 37.2 | 37.2 | 37.5  | 37.8 | 38.1  | 38.3 | 40.6  |
| ≥ 2500          | 23.9                       | 35.8 | 36.1 | 36.9 | 37.2 | 37.2  | 37.2 | 37.5  | 37.5 | 37.5 | 37.5 | 37.8  | 38.1 | 38.3  | 38.6 | 40.8  |
| ≥ 2000          | 23.9                       | 36.1 | 36.4 | 37.2 | 37.5 | 37.5  | 37.5 | 37.8  | 37.8 | 37.8 | 37.8 | 38.1  | 38.3 | 38.6  | 38.9 | 41.1  |
| ≥ 1800          | 23.9                       | 36.7 | 36.9 | 37.8 | 38.1 | 38.1  | 38.1 | 38.3  | 38.3 | 38.3 | 38.3 | 38.6  | 38.9 | 39.2  | 39.4 | 41.7  |
| ≥ 1500          | 24.2                       | 37.8 | 38.1 | 38.9 | 39.2 | 39.2  | 39.2 | 39.4  | 39.4 | 39.4 | 39.4 | 39.7  | 40.0 | 40.3  | 40.6 | 42.8  |
| ≥ 1200          | 24.2                       | 38.9 | 39.2 | 40.0 | 40.3 | 40.3  | 40.3 | 40.6  | 40.6 | 40.6 | 40.6 | 40.9  | 41.1 | 41.4  | 41.7 | 43.9  |
| ≥ 1000          | 24.2                       | 39.4 | 39.7 | 40.8 | 41.1 | 41.1  | 41.1 | 41.4  | 41.4 | 41.4 | 41.4 | 41.7  | 41.9 | 42.2  | 42.5 | 44.7  |
| ≥ 900           | 24.2                       | 39.4 | 39.7 | 40.8 | 41.1 | 41.1  | 41.1 | 41.4  | 41.4 | 41.4 | 41.4 | 41.7  | 41.9 | 42.2  | 42.5 | 44.7  |
| ≥ 800           | 24.2                       | 40.0 | 40.3 | 41.4 | 41.7 | 41.7  | 41.7 | 41.9  | 41.9 | 41.9 | 41.9 | 42.2  | 42.5 | 42.8  | 43.1 | 45.3  |
| ≥ 700           | 24.2                       | 40.3 | 40.6 | 41.7 | 42.2 | 42.2  | 42.2 | 42.5  | 42.5 | 42.5 | 42.5 | 42.8  | 43.1 | 43.3  | 43.6 | 45.8  |
| ≥ 600           | 24.2                       | 40.8 | 42.2 | 43.3 | 43.9 | 43.9  | 43.9 | 44.2  | 44.2 | 44.2 | 44.2 | 44.4  | 44.7 | 45.0  | 45.3 | 47.5  |
| ≥ 500           | 24.2                       | 42.8 | 44.7 | 46.1 | 47.2 | 47.2  | 47.2 | 47.5  | 47.5 | 47.5 | 47.5 | 47.8  | 48.1 | 48.3  | 48.6 | 50.8  |
| ≥ 400           | 24.2                       | 44.2 | 46.9 | 49.2 | 50.6 | 50.6  | 50.6 | 51.1  | 51.1 | 51.1 | 51.1 | 51.4  | 51.7 | 51.9  | 52.2 | 54.4  |
| ≥ 300           | 24.2                       | 45.0 | 48.1 | 51.1 | 55.0 | 55.6  | 56.4 | 56.7  | 56.7 | 56.7 | 56.7 | 57.2  | 57.8 | 58.1  | 58.6 | 60.8  |
| ≥ 200           | 24.2                       | 45.0 | 48.1 | 51.1 | 55.8 | 56.9  | 58.3 | 60.8  | 60.8 | 61.9 | 62.2 | 63.1  | 63.6 | 64.2  | 65.3 | 68.6  |
| ≥ 100           | 24.2                       | 45.0 | 48.1 | 51.1 | 56.1 | 57.5  | 59.2 | 62.2  | 62.2 | 63.6 | 64.4 | 65.6  | 66.7 | 68.9  | 72.2 | 99.4  |
| ≥ 0             | 24.2                       | 45.0 | 48.1 | 51.1 | 56.1 | 57.5  | 59.2 | 62.2  | 62.2 | 63.6 | 64.4 | 65.6  | 66.7 | 68.9  | 72.2 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

360

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

| CEILING<br>FEET | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2  | ≥ 2  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1   |
| NO CEILING      | 19.4                       | 25.6 | 25.8 | 26.4 | 26.7 | 27.2 | 27.5 | 27.8 | 27.8 | 28.3 | 28.6 | 28.6 | 29.4 | 29.7 | 30.6 | 32.2  |
| ≥ 20000         | 19.4                       | 25.6 | 25.8 | 26.4 | 26.7 | 27.2 | 27.5 | 27.8 | 27.8 | 28.3 | 28.6 | 28.6 | 29.4 | 29.7 | 30.6 | 32.2  |
| ≥ 18000         | 19.4                       | 25.6 | 25.8 | 26.4 | 26.7 | 27.2 | 27.5 | 27.8 | 27.8 | 28.3 | 28.6 | 28.6 | 29.4 | 29.7 | 30.6 | 32.2  |
| ≥ 16000         | 19.4                       | 25.6 | 25.8 | 26.4 | 26.7 | 27.2 | 27.5 | 27.8 | 27.8 | 28.3 | 28.6 | 28.6 | 29.4 | 29.7 | 30.6 | 32.2  |
| ≥ 14000         | 19.4                       | 25.6 | 25.8 | 26.4 | 26.7 | 27.2 | 27.5 | 27.8 | 27.8 | 28.3 | 28.6 | 28.6 | 29.4 | 29.7 | 30.6 | 32.2  |
| ≥ 12000         | 20.3                       | 26.4 | 26.7 | 27.2 | 28.3 | 28.9 | 29.2 | 29.4 | 29.4 | 30.0 | 30.3 | 30.3 | 31.1 | 31.4 | 32.2 | 33.9  |
| ≥ 10000         | 20.3                       | 26.4 | 26.7 | 27.2 | 28.3 | 28.9 | 29.2 | 29.4 | 29.4 | 30.0 | 30.3 | 30.3 | 31.1 | 31.4 | 32.2 | 33.9  |
| ≥ 9000          | 20.3                       | 26.4 | 26.7 | 27.2 | 28.3 | 28.9 | 29.2 | 29.4 | 29.4 | 30.0 | 30.3 | 30.3 | 31.1 | 31.4 | 32.2 | 33.9  |
| ≥ 8000          | 20.6                       | 26.9 | 27.2 | 27.8 | 28.9 | 29.4 | 29.7 | 30.0 | 30.0 | 30.6 | 30.8 | 30.8 | 31.7 | 31.9 | 32.8 | 34.4  |
| ≥ 7000          | 20.6                       | 26.9 | 27.2 | 27.8 | 28.9 | 29.4 | 29.7 | 30.0 | 30.0 | 30.6 | 30.8 | 30.8 | 31.7 | 31.9 | 32.8 | 34.4  |
| ≥ 6000          | 20.6                       | 27.8 | 28.1 | 28.6 | 29.7 | 30.3 | 30.6 | 30.8 | 30.8 | 31.4 | 31.7 | 31.7 | 32.5 | 32.8 | 33.6 | 35.3  |
| ≥ 5000          | 20.6                       | 27.8 | 28.1 | 28.6 | 29.7 | 30.3 | 30.6 | 30.8 | 30.8 | 31.4 | 31.7 | 31.7 | 32.5 | 32.8 | 33.6 | 35.3  |
| ≥ 4500          | 20.6                       | 27.8 | 28.1 | 28.6 | 29.7 | 30.3 | 30.6 | 30.8 | 30.8 | 31.4 | 31.7 | 31.7 | 32.5 | 32.8 | 33.6 | 35.3  |
| ≥ 4000          | 20.6                       | 27.8 | 28.1 | 28.6 | 29.7 | 30.3 | 30.6 | 30.8 | 30.8 | 31.4 | 31.7 | 31.7 | 32.5 | 32.8 | 33.6 | 35.3  |
| ≥ 3500          | 20.6                       | 27.8 | 28.1 | 28.6 | 29.7 | 30.3 | 30.6 | 30.8 | 30.8 | 31.4 | 31.7 | 31.7 | 32.5 | 32.8 | 33.6 | 35.3  |
| ≥ 3000          | 21.4                       | 28.6 | 28.9 | 29.4 | 30.6 | 31.1 | 31.4 | 31.7 | 31.7 | 32.2 | 32.5 | 32.5 | 33.3 | 33.6 | 34.4 | 36.1  |
| ≥ 2500          | 21.4                       | 28.6 | 28.9 | 29.4 | 30.6 | 31.1 | 31.4 | 31.7 | 31.7 | 32.2 | 32.5 | 32.5 | 33.3 | 33.6 | 34.4 | 36.1  |
| ≥ 2000          | 21.4                       | 29.2 | 29.4 | 30.0 | 31.1 | 31.7 | 31.9 | 32.2 | 32.2 | 32.8 | 33.1 | 33.1 | 33.9 | 34.2 | 35.0 | 36.7  |
| ≥ 1800          | 21.4                       | 29.2 | 29.4 | 30.0 | 31.1 | 31.7 | 31.9 | 32.2 | 32.2 | 32.8 | 33.1 | 33.1 | 33.9 | 34.2 | 35.0 | 36.7  |
| ≥ 1500          | 21.4                       | 29.4 | 29.7 | 30.3 | 31.4 | 31.9 | 32.2 | 32.5 | 32.5 | 33.1 | 33.3 | 33.3 | 34.2 | 34.4 | 35.3 | 36.9  |
| ≥ 1200          | 21.4                       | 31.4 | 31.7 | 32.2 | 33.3 | 33.9 | 34.2 | 34.4 | 34.4 | 35.0 | 35.3 | 35.3 | 36.1 | 36.4 | 37.2 | 38.9  |
| ≥ 1000          | 21.4                       | 33.3 | 33.6 | 34.2 | 35.3 | 35.8 | 36.1 | 36.4 | 36.4 | 36.9 | 37.2 | 37.2 | 38.1 | 38.3 | 39.2 | 40.8  |
| ≥ 900           | 21.7                       | 33.9 | 34.2 | 34.7 | 35.8 | 36.4 | 36.7 | 36.9 | 36.9 | 37.5 | 37.8 | 37.8 | 38.6 | 38.9 | 39.7 | 41.4  |
| ≥ 800           | 21.7                       | 34.4 | 34.7 | 35.3 | 36.4 | 36.9 | 37.2 | 37.5 | 37.5 | 38.1 | 38.3 | 38.3 | 39.2 | 39.4 | 40.3 | 41.9  |
| ≥ 700           | 21.7                       | 34.4 | 35.0 | 35.6 | 36.7 | 37.2 | 37.5 | 37.8 | 37.8 | 38.3 | 38.6 | 38.6 | 39.4 | 39.7 | 40.6 | 42.2  |
| ≥ 600           | 21.7                       | 35.0 | 35.6 | 36.1 | 37.2 | 37.8 | 38.1 | 38.3 | 38.3 | 38.9 | 39.2 | 39.2 | 40.0 | 40.3 | 41.1 | 42.8  |
| ≥ 500           | 21.7                       | 36.7 | 37.5 | 38.1 | 39.2 | 39.7 | 40.0 | 40.3 | 40.3 | 40.8 | 41.1 | 41.1 | 41.9 | 42.2 | 43.1 | 44.7  |
| ≥ 400           | 21.7                       | 38.1 | 39.4 | 40.0 | 41.1 | 41.7 | 42.2 | 42.5 | 42.5 | 43.1 | 43.3 | 43.6 | 44.4 | 44.7 | 45.6 | 47.2  |
| ≥ 300           | 21.7                       | 38.6 | 40.6 | 41.7 | 44.4 | 45.3 | 47.5 | 48.1 | 48.1 | 49.2 | 49.4 | 49.7 | 50.6 | 50.8 | 51.7 | 53.3  |
| ≥ 200           | 21.7                       | 39.2 | 41.1 | 42.2 | 45.3 | 46.9 | 50.6 | 53.1 | 53.1 | 56.7 | 56.9 | 58.1 | 60.0 | 60.8 | 63.6 | 67.5  |
| ≥ 100           | 21.7                       | 39.2 | 41.1 | 42.2 | 45.3 | 46.9 | 50.6 | 53.6 | 54.2 | 58.6 | 59.4 | 60.6 | 63.6 | 65.0 | 73.3 | 100.0 |
| ≥ U             | 21.7                       | 39.2 | 41.1 | 42.2 | 45.3 | 46.9 | 50.6 | 53.6 | 54.2 | 58.6 | 59.4 | 60.6 | 63.6 | 65.0 | 73.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

360

USAF ETAC

0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAF-ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-78

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0600

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 | ≥10                      | ≥6   | ≥5   | ≥4   | ≥3   | ≥2   | ≥2   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1    |
| NO CEILING      | 21.9                     | 26.4 | 27.0 | 27.2 | 27.7 | 27.7 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.9 | 28.2 | 28.5 | 29.1 | 30.2  |
| ≥ 20000         | 22.2                     | 26.7 | 27.2 | 27.5 | 27.9 | 27.9 | 28.1 | 28.1 | 28.1 | 28.2 | 28.2 | 28.4 | 28.7 | 28.9 | 29.5 | 30.5  |
| ≥ 18000         | 22.8                     | 27.2 | 27.8 | 28.1 | 28.5 | 28.5 | 28.7 | 28.7 | 28.7 | 28.8 | 28.8 | 28.9 | 29.2 | 29.5 | 30.1 | 31.2  |
| ≥ 16000         | 22.8                     | 27.2 | 27.8 | 28.1 | 28.5 | 28.5 | 28.7 | 28.8 | 28.8 | 28.9 | 28.9 | 29.1 | 29.4 | 29.6 | 30.2 | 31.2  |
| ≥ 14000         | 23.0                     | 27.5 | 28.1 | 28.4 | 28.8 | 28.8 | 28.9 | 29.1 | 29.1 | 29.2 | 29.2 | 29.4 | 29.6 | 29.9 | 30.5 | 31.6  |
| ≥ 12000         | 23.0                     | 27.5 | 28.1 | 28.4 | 28.9 | 28.9 | 29.1 | 29.2 | 29.2 | 29.4 | 29.4 | 29.5 | 29.8 | 30.1 | 30.6 | 31.7  |
| ≥ 10000         | 23.7                     | 28.4 | 28.9 | 29.2 | 30.1 | 30.2 | 30.3 | 30.5 | 30.5 | 30.6 | 30.6 | 30.8 | 31.0 | 31.3 | 31.9 | 33.0  |
| ≥ 9000          | 23.7                     | 28.4 | 28.9 | 29.2 | 30.1 | 30.2 | 30.3 | 30.5 | 30.5 | 30.6 | 30.6 | 30.8 | 31.0 | 31.3 | 31.9 | 33.0  |
| ≥ 8000          | 23.9                     | 28.9 | 29.5 | 29.8 | 30.6 | 30.8 | 30.9 | 31.0 | 31.0 | 31.2 | 31.2 | 31.3 | 31.6 | 31.9 | 32.4 | 33.6  |
| ≥ 7000          | 23.9                     | 28.9 | 29.5 | 29.8 | 30.6 | 30.8 | 30.9 | 31.0 | 31.0 | 31.2 | 31.2 | 31.3 | 31.6 | 31.9 | 32.4 | 33.6  |
| ≥ 6000          | 23.9                     | 29.1 | 29.6 | 29.9 | 30.8 | 30.9 | 31.0 | 31.2 | 31.2 | 31.3 | 31.3 | 31.5 | 31.7 | 32.0 | 32.6 | 33.7  |
| ≥ 5000          | 23.9                     | 29.2 | 29.8 | 30.1 | 30.9 | 31.0 | 31.2 | 31.3 | 31.3 | 31.5 | 31.5 | 31.6 | 31.9 | 32.2 | 32.7 | 33.8  |
| ≥ 4500          | 23.9                     | 29.2 | 29.8 | 30.1 | 30.9 | 31.0 | 31.2 | 31.3 | 31.3 | 31.5 | 31.5 | 31.6 | 31.9 | 32.2 | 32.7 | 33.8  |
| ≥ 4000          | 23.9                     | 29.2 | 29.8 | 30.2 | 31.0 | 31.2 | 31.3 | 31.5 | 31.5 | 31.6 | 31.6 | 31.7 | 32.0 | 32.3 | 32.9 | 34.0  |
| ≥ 3500          | 24.3                     | 29.6 | 30.3 | 30.6 | 31.5 | 31.6 | 31.7 | 31.9 | 31.9 | 32.0 | 32.0 | 32.2 | 32.4 | 32.7 | 33.3 | 34.4  |
| ≥ 3000          | 24.4                     | 29.9 | 30.8 | 31.0 | 31.9 | 32.0 | 32.2 | 32.3 | 32.3 | 32.4 | 32.4 | 32.6 | 32.9 | 33.1 | 33.7 | 34.8  |
| ≥ 2500          | 24.9                     | 30.5 | 31.3 | 31.6 | 32.4 | 32.6 | 32.7 | 32.9 | 32.9 | 33.0 | 33.0 | 33.1 | 33.4 | 33.7 | 34.3 | 35.4  |
| ≥ 2000          | 25.4                     | 31.5 | 32.3 | 32.6 | 33.4 | 33.6 | 33.7 | 33.8 | 33.8 | 34.0 | 34.0 | 34.1 | 34.4 | 34.7 | 35.3 | 36.4  |
| ≥ 1800          | 25.6                     | 32.4 | 33.3 | 33.6 | 34.4 | 34.6 | 34.7 | 34.8 | 34.8 | 35.0 | 35.0 | 35.1 | 35.4 | 35.7 | 36.2 | 37.4  |
| ≥ 1500          | 25.7                     | 33.1 | 34.0 | 34.3 | 35.1 | 35.4 | 35.5 | 35.7 | 35.7 | 35.8 | 35.8 | 36.0 | 36.2 | 36.5 | 37.1 | 38.2  |
| ≥ 1200          | 26.3                     | 35.1 | 36.0 | 36.5 | 37.5 | 37.8 | 37.9 | 38.1 | 38.1 | 38.2 | 38.2 | 38.3 | 38.6 | 38.9 | 39.5 | 40.6  |
| ≥ 1000          | 26.7                     | 36.5 | 37.6 | 38.8 | 39.9 | 40.3 | 40.4 | 40.7 | 40.7 | 40.9 | 40.9 | 41.0 | 41.3 | 41.6 | 42.1 | 43.3  |
| ≥ 900           | 26.8                     | 37.1 | 38.2 | 39.3 | 40.4 | 41.2 | 41.3 | 41.6 | 41.6 | 41.7 | 41.7 | 41.9 | 42.1 | 42.4 | 43.0 | 44.1  |
| ≥ 800           | 26.8                     | 37.5 | 38.8 | 39.9 | 41.0 | 41.7 | 42.0 | 42.3 | 42.3 | 42.4 | 42.4 | 42.6 | 42.8 | 43.1 | 43.7 | 44.8  |
| ≥ 700           | 27.0                     | 37.8 | 39.3 | 40.7 | 42.0 | 42.7 | 43.0 | 43.3 | 43.3 | 43.4 | 43.4 | 43.5 | 43.8 | 44.1 | 44.7 | 45.8  |
| ≥ 600           | 27.0                     | 38.2 | 39.7 | 41.6 | 43.0 | 43.7 | 44.0 | 44.2 | 44.2 | 44.4 | 44.4 | 44.5 | 44.8 | 45.1 | 45.6 | 46.8  |
| ≥ 500           | 27.0                     | 38.3 | 40.0 | 43.4 | 45.6 | 46.6 | 47.2 | 48.0 | 48.0 | 48.5 | 48.5 | 48.6 | 48.9 | 49.2 | 49.7 | 50.8  |
| ≥ 400           | 27.0                     | 38.6 | 40.4 | 44.9 | 48.5 | 49.9 | 51.0 | 52.8 | 52.8 | 53.4 | 53.7 | 53.8 | 54.2 | 54.5 | 55.1 | 56.2  |
| ≥ 300           | 27.0                     | 38.9 | 40.7 | 45.9 | 50.0 | 51.8 | 53.4 | 57.3 | 57.4 | 58.4 | 59.4 | 59.7 | 60.1 | 60.5 | 61.5 | 62.9  |
| ≥ 200           | 27.0                     | 39.0 | 40.9 | 46.3 | 51.3 | 53.2 | 55.2 | 59.6 | 60.1 | 61.8 | 63.8 | 64.6 | 66.2 | 67.8 | 71.1 | 76.8  |
| ≥ 100           | 27.0                     | 39.0 | 40.9 | 46.3 | 51.3 | 53.2 | 55.2 | 59.7 | 60.3 | 62.1 | 64.3 | 65.4 | 67.4 | 70.1 | 76.1 | 97.8  |
| ≥ 0             | 27.0                     | 39.0 | 40.9 | 46.3 | 51.3 | 53.2 | 55.2 | 59.7 | 60.3 | 62.1 | 64.3 | 65.4 | 67.4 | 70.1 | 76.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

712

USAF ETAC

1-64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93216

VANDENBERG AFB CA

17-70,73-78

212

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 | ≥10                      | ≥6   | ≥5   | ≥4   | ≥3   | ≥2   | ≥2   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1    |
| NO CEILING      | 34.8                     | 46.1 | 47.1 | 47.5 | 48.0 | 48.4 | 48.5 | 48.5 | 48.5 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6  |
| ≥ 20000         | 34.8                     | 46.2 | 47.4 | 47.7 | 48.2 | 48.6 | 48.7 | 48.7 | 48.7 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9  |
| ≥ 18000         | 35.0                     | 46.5 | 47.6 | 48.0 | 48.5 | 48.9 | 49.0 | 49.0 | 49.0 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1  |
| ≥ 16000         | 35.1                     | 46.6 | 47.7 | 48.1 | 48.6 | 49.0 | 49.1 | 49.1 | 49.1 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2  |
| ≥ 14000         | 35.4                     | 46.9 | 48.0 | 48.4 | 48.9 | 49.2 | 49.4 | 49.4 | 49.4 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5  |
| ≥ 12000         | 35.6                     | 47.4 | 48.5 | 48.9 | 49.4 | 49.7 | 49.9 | 49.9 | 49.9 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0  |
| ≥ 10000         | 36.5                     | 48.5 | 49.6 | 50.0 | 50.5 | 50.9 | 51.0 | 51.0 | 51.0 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1  |
| ≥ 9000          | 36.5                     | 48.5 | 49.6 | 50.0 | 50.5 | 50.9 | 51.0 | 51.0 | 51.0 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1  |
| ≥ 8000          | 36.6                     | 48.7 | 49.9 | 50.3 | 50.8 | 51.1 | 51.3 | 51.3 | 51.3 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4  |
| ≥ 7000          | 36.9                     | 49.0 | 50.1 | 50.5 | 51.0 | 51.4 | 51.5 | 51.5 | 51.5 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6  |
| ≥ 6000          | 37.0                     | 49.1 | 50.3 | 50.6 | 51.1 | 51.5 | 51.6 | 51.6 | 51.6 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8  |
| ≥ 5000          | 37.0                     | 49.2 | 50.4 | 50.8 | 51.3 | 51.6 | 51.8 | 51.8 | 51.8 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9  |
| ≥ 4500          | 37.0                     | 49.2 | 50.4 | 50.8 | 51.3 | 51.6 | 51.8 | 51.8 | 51.8 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9  |
| ≥ 4000          | 37.3                     | 49.9 | 51.1 | 51.5 | 52.0 | 52.4 | 52.5 | 52.6 | 52.6 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8  |
| ≥ 3500          | 37.3                     | 50.0 | 51.3 | 51.6 | 52.1 | 52.5 | 52.6 | 52.8 | 52.8 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9  |
| ≥ 3000          | 37.4                     | 50.1 | 51.4 | 51.8 | 52.3 | 52.6 | 52.8 | 52.9 | 52.9 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0  |
| ≥ 2500          | 38.8                     | 51.9 | 53.1 | 53.5 | 54.0 | 54.4 | 54.5 | 54.7 | 54.7 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8  |
| ≥ 2000          | 39.8                     | 53.8 | 55.0 | 55.4 | 55.9 | 56.3 | 56.4 | 56.5 | 56.5 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7  |
| ≥ 1800          | 40.3                     | 54.7 | 55.9 | 56.3 | 56.8 | 57.2 | 57.3 | 57.4 | 57.4 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6  |
| ≥ 1600          | 40.7                     | 56.2 | 57.6 | 58.2 | 58.7 | 59.2 | 59.3 | 59.4 | 59.4 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6  |
| ≥ 1400          | 40.7                     | 56.7 | 58.6 | 59.6 | 60.1 | 60.6 | 60.7 | 60.8 | 60.8 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0  |
| ≥ 1200          | 40.8                     | 57.8 | 60.3 | 61.7 | 62.2 | 62.7 | 62.8 | 63.0 | 63.0 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1  |
| ≥ 1000          | 40.9                     | 59.6 | 62.5 | 64.1 | 64.9 | 65.4 | 65.5 | 65.6 | 65.6 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7  |
| ≥ 900           | 41.4                     | 61.0 | 64.2 | 66.6 | 67.4 | 67.9 | 68.0 | 68.1 | 68.1 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3  |
| ≥ 800           | 41.4                     | 62.2 | 66.2 | 69.6 | 70.8 | 71.3 | 71.4 | 71.5 | 71.5 | 71.7 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8  |
| ≥ 700           | 41.7                     | 63.2 | 68.3 | 72.4 | 74.4 | 75.2 | 75.4 | 75.7 | 75.7 | 75.8 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9  |
| ≥ 600           | 41.7                     | 64.0 | 69.4 | 75.7 | 79.0 | 80.7 | 80.9 | 81.4 | 81.5 | 81.7 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9  |
| ≥ 500           | 41.7                     | 64.2 | 69.9 | 77.3 | 82.0 | 84.4 | 84.4 | 84.9 | 85.2 | 85.5 | 85.9 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0  |
| ≥ 400           | 41.7                     | 64.2 | 69.9 | 77.3 | 82.7 | 85.9 | 87.3 | 89.8 | 90.4 | 91.2 | 92.1 | 92.1 | 92.3 | 92.4 | 92.4 | 92.4  |
| ≥ 300           | 41.7                     | 64.2 | 69.9 | 77.5 | 82.9 | 86.1 | 87.5 | 90.6 | 91.7 | 92.6 | 94.0 | 94.6 | 95.3 | 96.0 | 96.7 | 97.0  |
| ≥ 200           | 41.7                     | 64.2 | 69.9 | 77.5 | 82.9 | 86.1 | 87.7 | 90.9 | 92.1 | 92.9 | 94.5 | 95.1 | 96.2 | 97.0 | 98.5 | 99.9  |
| ≥ 100           | 41.7                     | 64.2 | 69.9 | 77.5 | 82.9 | 86.1 | 87.7 | 90.9 | 92.1 | 92.9 | 94.5 | 95.1 | 96.2 | 97.1 | 98.6 | 100.0 |
| ≥ 0             | 41.7                     | 64.2 | 69.9 | 77.5 | 82.9 | 86.1 | 87.7 | 90.9 | 92.1 | 92.9 | 94.5 | 95.1 | 96.2 | 97.1 | 98.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

794

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

STP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

| CEILING<br>FEET | VISIBILITY (STATUTE MILES) |      |      |      |      |       |      |       |       |      |      |      |      |      |      |       |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1.4 | ≥ 1  | ≥ .8 | ≥ .6 | ≥ .5 | ≥ .4 | ≥ .3 | ≥ .2  |
| NO CEILING      | 44.4                       | 59.4 | 61.6 | 61.9 | 62.6 | 62.6  | 62.6 | 62.6  | 62.6  | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8  |
| ≥ 20000         | 45.0                       | 60.4 | 62.6 | 62.9 | 63.6 | 63.6  | 63.6 | 63.6  | 63.6  | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8  |
| ≥ 18000         | 45.0                       | 60.4 | 62.6 | 62.9 | 63.6 | 63.6  | 63.6 | 63.6  | 63.6  | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8  |
| ≥ 16000         | 45.0                       | 60.4 | 62.6 | 62.9 | 63.6 | 63.6  | 63.6 | 63.6  | 63.6  | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8  |
| ≥ 14000         | 45.4                       | 60.8 | 63.0 | 63.3 | 64.2 | 64.2  | 64.2 | 64.2  | 64.2  | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3  |
| ≥ 12000         | 45.5                       | 61.4 | 63.6 | 63.9 | 64.8 | 64.8  | 64.8 | 64.8  | 64.8  | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9  |
| ≥ 10000         | 45.8                       | 62.5 | 64.8 | 65.0 | 66.0 | 66.0  | 66.0 | 66.0  | 66.0  | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2  |
| ≥ 9000          | 45.8                       | 62.5 | 64.8 | 65.0 | 66.0 | 66.0  | 66.0 | 66.0  | 66.0  | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2  |
| ≥ 8000          | 45.9                       | 62.9 | 65.2 | 65.4 | 66.4 | 66.4  | 66.4 | 66.4  | 66.4  | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5  |
| ≥ 7000          | 45.9                       | 62.9 | 65.2 | 65.4 | 66.4 | 66.4  | 66.4 | 66.4  | 66.4  | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5  |
| ≥ 6000          | 45.9                       | 62.9 | 65.2 | 65.4 | 66.5 | 66.5  | 66.5 | 66.5  | 66.5  | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7  |
| ≥ 5000          | 45.9                       | 62.9 | 65.2 | 65.4 | 66.5 | 66.5  | 66.5 | 66.5  | 66.5  | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7  |
| ≥ 4500          | 45.9                       | 62.9 | 65.2 | 65.4 | 66.5 | 66.5  | 66.5 | 66.5  | 66.5  | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7  |
| ≥ 4000          | 46.8                       | 63.9 | 66.2 | 66.4 | 67.5 | 67.5  | 67.5 | 67.5  | 67.5  | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7  |
| ≥ 3500          | 46.8                       | 63.9 | 66.2 | 66.4 | 67.5 | 67.5  | 67.5 | 67.5  | 67.5  | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7  |
| ≥ 3000          | 46.8                       | 63.9 | 66.2 | 66.4 | 67.5 | 67.5  | 67.5 | 67.5  | 67.5  | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7  |
| ≥ 2500          | 47.5                       | 65.3 | 67.5 | 67.8 | 68.9 | 68.9  | 68.9 | 68.9  | 68.9  | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1  |
| ≥ 2000          | 48.3                       | 66.0 | 68.3 | 68.6 | 69.7 | 69.7  | 69.7 | 69.7  | 69.7  | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8  |
| ≥ 1800          | 48.7                       | 66.7 | 68.9 | 69.2 | 70.3 | 70.3  | 70.3 | 70.3  | 70.3  | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4  |
| ≥ 1500          | 49.2                       | 67.5 | 69.8 | 70.2 | 71.3 | 71.3  | 71.3 | 71.3  | 71.3  | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4  |
| ≥ 1200          | 50.4                       | 70.2 | 72.5 | 73.0 | 74.1 | 74.1  | 74.1 | 74.1  | 74.1  | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2  |
| ≥ 1000          | 50.9                       | 72.5 | 75.0 | 75.6 | 76.7 | 76.7  | 76.7 | 76.7  | 76.7  | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9  |
| ≥ 900           | 51.4                       | 74.2 | 77.6 | 78.4 | 79.5 | 79.5  | 79.5 | 79.5  | 79.5  | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6  |
| ≥ 800           | 52.1                       | 76.9 | 81.0 | 81.8 | 83.0 | 83.0  | 83.0 | 83.0  | 83.0  | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1  |
| ≥ 700           | 52.6                       | 79.1 | 84.2 | 86.0 | 87.5 | 87.5  | 87.5 | 87.5  | 87.5  | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7  |
| ≥ 600           | 52.6                       | 80.4 | 86.7 | 89.4 | 91.2 | 91.2  | 91.3 | 91.6  | 91.6  | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7  |
| ≥ 500           | 52.6                       | 80.9 | 87.9 | 91.6 | 94.2 | 94.6  | 94.8 | 95.2  | 95.2  | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3  |
| ≥ 400           | 52.6                       | 81.1 | 88.3 | 92.3 | 95.7 | 96.2  | 96.7 | 97.1  | 97.4  | 97.6 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9  |
| ≥ 300           | 52.6                       | 81.1 | 88.4 | 92.6 | 96.1 | 96.6  | 97.2 | 98.0  | 98.2  | 98.6 | 99.0 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5  |
| ≥ 200           | 52.6                       | 81.1 | 88.4 | 92.6 | 96.2 | 96.7  | 97.4 | 98.1  | 98.4  | 98.7 | 99.1 | 99.5 | 99.6 | 99.7 | 99.7 | 99.9  |
| ≥ 100           | 52.6                       | 81.1 | 88.4 | 92.6 | 96.2 | 96.7  | 97.4 | 98.1  | 98.4  | 98.7 | 99.1 | 99.5 | 99.7 | 99.9 | 99.9 | 100.0 |
| ≥ U             | 52.6                       | 81.1 | 88.4 | 92.6 | 96.2 | 96.7  | 97.4 | 98.1  | 98.4  | 98.7 | 99.1 | 99.5 | 99.7 | 99.9 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

795

USAF ETAC

FORM 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAL  
AIR WEATHER SERVICE/VAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-74

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |       |      |       |       |      |      |      |      |       |       |       |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|------|-------|-------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1.0 | ≥ .5 | ≥ .3 | ≥ .2 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ .00 |
| NO CEILING      | 39.9                       | 53.3 | 53.7 | 54.3 | 54.3 | 54.6  | 54.7 | 54.9  | 54.9  | 54.9 | 54.9 | 54.9 | 54.9 | 54.9  | 54.9  | 54.9  |
| ≥ 20000         | 40.5                       | 54.2 | 54.7 | 55.3 | 55.4 | 55.7  | 55.9 | 56.0  | 56.0  | 56.0 | 56.0 | 56.0 | 56.0 | 56.0  | 56.0  | 56.0  |
| ≥ 18000         | 40.5                       | 54.2 | 54.7 | 55.3 | 55.4 | 55.7  | 55.9 | 56.0  | 56.0  | 56.0 | 56.0 | 56.0 | 56.0 | 56.0  | 56.0  | 56.0  |
| ≥ 16000         | 40.5                       | 54.2 | 54.7 | 55.3 | 55.4 | 55.7  | 55.9 | 56.0  | 56.0  | 56.0 | 56.0 | 56.0 | 56.0 | 56.0  | 56.0  | 56.0  |
| ≥ 14000         | 40.7                       | 54.5 | 55.0 | 55.6 | 55.9 | 56.2  | 56.3 | 56.4  | 56.4  | 56.4 | 56.4 | 56.4 | 56.4 | 56.4  | 56.4  | 56.4  |
| ≥ 12000         | 41.4                       | 55.2 | 55.7 | 56.3 | 56.6 | 56.9  | 57.0 | 57.1  | 57.1  | 57.1 | 57.1 | 57.1 | 57.1 | 57.1  | 57.1  | 57.1  |
| ≥ 10000         | 41.6                       | 55.9 | 56.4 | 57.0 | 57.3 | 57.6  | 57.7 | 57.9  | 57.9  | 57.9 | 57.9 | 57.9 | 57.9 | 57.9  | 57.9  | 57.9  |
| ≥ 9000          | 41.6                       | 55.9 | 56.4 | 57.0 | 57.3 | 57.6  | 57.7 | 57.9  | 57.9  | 57.9 | 57.9 | 57.9 | 57.9 | 57.9  | 57.9  | 57.9  |
| ≥ 8000          | 41.7                       | 56.4 | 57.0 | 57.6 | 57.9 | 58.1  | 58.2 | 58.4  | 58.4  | 58.4 | 58.4 | 58.4 | 58.4 | 58.4  | 58.4  | 58.4  |
| ≥ 7000          | 41.9                       | 56.6 | 57.1 | 57.7 | 58.0 | 58.3  | 58.4 | 58.6  | 58.6  | 58.6 | 58.6 | 58.6 | 58.6 | 58.6  | 58.6  | 58.6  |
| ≥ 6000          | 41.9                       | 56.6 | 57.1 | 57.7 | 58.0 | 58.3  | 58.4 | 58.6  | 58.6  | 58.6 | 58.6 | 58.6 | 58.6 | 58.6  | 58.6  | 58.6  |
| ≥ 5000          | 42.0                       | 56.7 | 57.2 | 57.9 | 58.1 | 58.4  | 58.6 | 58.7  | 58.7  | 58.7 | 58.7 | 58.7 | 58.7 | 58.7  | 58.7  | 58.7  |
| ≥ 4500          | 42.0                       | 56.7 | 57.2 | 57.9 | 58.1 | 58.4  | 58.6 | 58.7  | 58.7  | 58.7 | 58.7 | 58.7 | 58.7 | 58.7  | 58.7  | 58.7  |
| ≥ 4000          | 42.7                       | 57.4 | 58.0 | 58.6 | 58.8 | 59.1  | 59.2 | 59.4  | 59.4  | 59.4 | 59.4 | 59.4 | 59.4 | 59.4  | 59.4  | 59.4  |
| ≥ 3500          | 42.7                       | 57.4 | 58.0 | 58.6 | 58.8 | 59.1  | 59.2 | 59.4  | 59.4  | 59.4 | 59.4 | 59.4 | 59.4 | 59.4  | 59.4  | 59.4  |
| ≥ 3000          | 43.6                       | 58.2 | 58.8 | 59.4 | 59.7 | 60.0  | 60.1 | 60.3  | 60.3  | 60.3 | 60.3 | 60.3 | 60.3 | 60.3  | 60.3  | 60.3  |
| ≥ 2500          | 43.7                       | 58.7 | 59.3 | 59.8 | 60.1 | 60.4  | 60.5 | 60.7  | 60.7  | 60.7 | 60.7 | 60.7 | 60.7 | 60.7  | 60.7  | 60.7  |
| ≥ 2000          | 44.1                       | 59.5 | 60.1 | 60.7 | 61.0 | 61.2  | 61.4 | 61.5  | 61.5  | 61.5 | 61.5 | 61.5 | 61.5 | 61.5  | 61.5  | 61.5  |
| ≥ 1800          | 44.7                       | 60.1 | 60.7 | 61.2 | 61.5 | 61.8  | 62.0 | 62.1  | 62.1  | 62.1 | 62.1 | 62.1 | 62.1 | 62.1  | 62.1  | 62.1  |
| ≥ 1500          | 46.1                       | 61.5 | 62.1 | 62.7 | 62.9 | 63.2  | 63.4 | 63.5  | 63.5  | 63.5 | 63.5 | 63.5 | 63.5 | 63.5  | 63.5  | 63.5  |
| ≥ 1200          | 46.3                       | 62.1 | 62.7 | 63.2 | 63.5 | 63.8  | 64.1 | 64.2  | 64.2  | 64.2 | 64.2 | 64.2 | 64.2 | 64.2  | 64.2  | 64.2  |
| ≥ 1000          | 47.0                       | 65.5 | 66.3 | 66.9 | 67.2 | 67.5  | 67.8 | 67.9  | 67.9  | 67.9 | 67.9 | 67.9 | 67.9 | 67.9  | 67.9  | 67.9  |
| ≥ 900           | 47.7                       | 67.5 | 68.7 | 69.6 | 69.9 | 70.2  | 70.4 | 70.6  | 70.6  | 70.6 | 70.6 | 70.6 | 70.6 | 70.6  | 70.6  | 70.6  |
| ≥ 800           | 48.1                       | 69.7 | 72.1 | 73.3 | 73.7 | 74.0  | 74.3 | 74.4  | 74.4  | 74.4 | 74.4 | 74.4 | 74.4 | 74.4  | 74.4  | 74.4  |
| ≥ 700           | 48.7                       | 73.3 | 76.4 | 77.9 | 78.5 | 78.8  | 79.2 | 79.3  | 79.3  | 79.3 | 79.3 | 79.3 | 79.3 | 79.3  | 79.3  | 79.3  |
| ≥ 600           | 48.8                       | 75.0 | 79.1 | 81.8 | 82.7 | 83.0  | 83.5 | 83.6  | 83.6  | 83.6 | 83.6 | 83.6 | 83.6 | 83.6  | 83.6  | 83.6  |
| ≥ 500           | 49.1                       | 76.9 | 82.0 | 85.6 | 87.4 | 88.4  | 88.8 | 89.4  | 89.4  | 89.4 | 89.4 | 89.4 | 89.4 | 89.5  | 89.5  | 89.5  |
| ≥ 400           | 49.1                       | 77.7 | 82.9 | 87.7 | 90.4 | 91.7  | 92.4 | 93.4  | 93.5  | 93.8 | 93.8 | 93.8 | 94.1 | 94.1  | 94.1  | 94.1  |
| ≥ 300           | 49.1                       | 77.7 | 83.0 | 88.3 | 91.4 | 92.8  | 94.2 | 95.6  | 96.0  | 96.6 | 96.9 | 96.9 | 97.7 | 97.9  | 98.0  | 98.0  |
| ≥ 200           | 49.1                       | 77.7 | 83.0 | 88.3 | 91.4 | 92.8  | 94.2 | 95.6  | 96.2  | 97.0 | 97.5 | 97.5 | 98.4 | 98.6  | 99.3  | 99.6  |
| ≥ 100           | 49.1                       | 77.7 | 83.0 | 88.3 | 91.4 | 92.8  | 94.2 | 95.6  | 96.2  | 97.0 | 97.5 | 97.6 | 98.6 | 98.9  | 99.6  | 100.0 |
| ≥ 0             | 49.1                       | 77.7 | 83.0 | 88.3 | 91.4 | 92.8  | 94.2 | 95.6  | 96.2  | 97.0 | 97.5 | 97.6 | 98.6 | 98.9  | 99.6  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

707

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-74

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |       |      |       |       |      |      |      |      |      |      |       |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1.4 | ≥ 1  | ≥ .8 | ≥ .6 | ≥ .5 | ≥ .4 | ≥ .3 | ≥ .2  |
| NO CEILING      | 26.5                       | 38.3 | 38.7 | 38.7 | 39.3 | 39.3  | 39.4 | 39.8  | 39.8  | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.6  |
| ≥ 20000         | 26.9                       | 39.1 | 39.4 | 39.4 | 40.0 | 40.0  | 40.2 | 40.6  | 40.6  | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 41.3  |
| ≥ 18000         | 26.9                       | 39.1 | 39.4 | 39.4 | 40.0 | 40.0  | 40.2 | 40.6  | 40.6  | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 41.3  |
| ≥ 16000         | 26.9                       | 39.1 | 39.4 | 39.4 | 40.0 | 40.0  | 40.2 | 40.6  | 40.6  | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 41.3  |
| ≥ 14000         | 26.9                       | 39.1 | 39.4 | 39.4 | 40.0 | 40.0  | 40.2 | 40.6  | 40.6  | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 41.3  |
| ≥ 12000         | 27.4                       | 39.8 | 40.2 | 40.2 | 40.7 | 40.7  | 40.9 | 41.3  | 41.3  | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 42.0  |
| ≥ 10000         | 27.4                       | 39.8 | 40.2 | 40.2 | 40.7 | 40.7  | 40.9 | 41.3  | 41.3  | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 42.0  |
| ≥ 9000          | 27.4                       | 39.8 | 40.2 | 40.2 | 40.7 | 40.7  | 40.9 | 41.3  | 41.3  | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 42.0  |
| ≥ 8000          | 27.4                       | 40.0 | 40.4 | 40.4 | 40.9 | 40.9  | 41.1 | 41.5  | 41.5  | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 42.2  |
| ≥ 7000          | 27.4                       | 40.6 | 40.9 | 40.9 | 41.5 | 41.5  | 41.7 | 42.0  | 42.0  | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.8  |
| ≥ 6000          | 27.6                       | 40.7 | 41.1 | 41.1 | 41.7 | 41.7  | 41.9 | 42.2  | 42.2  | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 43.0  |
| ≥ 5000          | 27.8                       | 41.1 | 41.5 | 41.5 | 42.0 | 42.0  | 42.2 | 42.6  | 42.6  | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.3  |
| ≥ 4500          | 27.8                       | 41.1 | 41.9 | 41.9 | 42.4 | 42.4  | 42.6 | 43.0  | 43.0  | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.7  |
| ≥ 4000          | 28.0                       | 41.3 | 42.0 | 42.0 | 42.6 | 42.6  | 42.8 | 43.1  | 43.1  | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.9  |
| ≥ 3500          | 28.0                       | 41.3 | 42.0 | 42.0 | 42.6 | 42.6  | 42.8 | 43.1  | 43.1  | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.9  |
| ≥ 3000          | 28.5                       | 41.9 | 42.6 | 42.6 | 43.1 | 43.1  | 43.3 | 43.7  | 43.7  | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.4  |
| ≥ 2500          | 28.5                       | 42.0 | 42.8 | 42.8 | 43.3 | 43.3  | 43.5 | 43.9  | 43.9  | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.6  |
| ≥ 2000          | 28.7                       | 42.8 | 43.5 | 43.5 | 44.1 | 44.1  | 44.3 | 44.6  | 44.6  | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.4  |
| ≥ 1800          | 29.1                       | 43.5 | 44.3 | 44.3 | 44.8 | 44.8  | 45.0 | 45.4  | 45.4  | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 46.1  |
| ≥ 1500          | 29.4                       | 44.1 | 44.8 | 44.8 | 45.4 | 45.4  | 45.6 | 45.9  | 45.9  | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.7  |
| ≥ 1200          | 30.0                       | 45.4 | 46.1 | 46.1 | 46.7 | 46.7  | 46.9 | 47.2  | 47.2  | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 48.0  |
| ≥ 1000          | 30.4                       | 46.1 | 47.4 | 47.4 | 48.0 | 48.0  | 48.1 | 48.5  | 48.5  | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 49.3  |
| ≥ 900           | 30.6                       | 46.5 | 47.8 | 47.8 | 48.5 | 48.5  | 48.7 | 49.1  | 49.1  | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.8  |
| ≥ 800           | 30.6                       | 47.8 | 49.4 | 49.4 | 50.2 | 50.2  | 50.4 | 50.7  | 50.7  | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.5  |
| ≥ 700           | 31.3                       | 50.7 | 53.1 | 53.5 | 54.3 | 54.3  | 54.4 | 54.8  | 54.8  | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.6  |
| ≥ 600           | 31.3                       | 51.5 | 54.3 | 54.8 | 55.6 | 55.6  | 55.7 | 56.1  | 56.1  | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.9  |
| ≥ 500           | 31.3                       | 53.5 | 57.8 | 58.9 | 59.8 | 59.8  | 60.0 | 60.4  | 60.4  | 60.7 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 61.3  |
| ≥ 400           | 31.3                       | 55.7 | 60.7 | 63.3 | 65.9 | 65.9  | 66.1 | 67.0  | 67.0  | 67.4 | 67.6 | 67.6 | 67.6 | 67.6 | 68.1 | 68.7  |
| ≥ 300           | 31.3                       | 55.7 | 61.9 | 66.7 | 71.1 | 71.9  | 72.2 | 74.4  | 74.6  | 75.0 | 75.6 | 75.9 | 75.9 | 76.5 | 77.2 | 77.8  |
| ≥ 200           | 31.3                       | 55.9 | 62.0 | 67.4 | 72.6 | 73.9  | 74.6 | 77.4  | 78.0  | 78.7 | 80.2 | 81.1 | 81.9 | 83.3 | 86.3 | 89.3  |
| ≥ 100           | 31.3                       | 55.9 | 62.0 | 67.6 | 73.3 | 74.6  | 75.6 | 78.9  | 80.2  | 81.7 | 83.5 | 84.8 | 85.9 | 87.6 | 92.8 | 99.6  |
| ≥ 0             | 31.3                       | 55.9 | 62.0 | 67.6 | 73.3 | 74.6  | 75.6 | 78.9  | 80.2  | 81.7 | 83.5 | 84.8 | 85.9 | 87.6 | 92.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

540

USAF ETAC

0-14-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-74

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2  | ≥ 2  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1   |
| NO CEILING      | 20.8                     | 36.0 | 37.4 | 38.9 | 39.1 | 39.7 | 40.1 | 40.3 | 40.3 | 40.7 | 40.7 | 40.7 | 41.0 | 41.2 | 41.4 | 42.0  |
| ≥ 20000         | 21.4                     | 36.6 | 38.0 | 39.5 | 39.7 | 40.3 | 40.7 | 41.0 | 41.0 | 41.4 | 41.4 | 41.4 | 41.6 | 41.8 | 42.0 | 43.2  |
| ≥ 18000         | 21.4                     | 36.6 | 38.0 | 39.5 | 39.7 | 40.3 | 40.7 | 41.0 | 41.0 | 41.4 | 41.4 | 41.4 | 41.6 | 41.8 | 42.0 | 43.2  |
| ≥ 16000         | 21.4                     | 36.6 | 38.0 | 39.5 | 39.7 | 40.3 | 40.7 | 41.0 | 41.0 | 41.4 | 41.4 | 41.4 | 41.6 | 41.8 | 42.0 | 43.2  |
| ≥ 14000         | 21.4                     | 36.6 | 38.0 | 39.5 | 39.7 | 40.3 | 40.7 | 41.0 | 41.0 | 41.4 | 41.4 | 41.4 | 41.6 | 41.8 | 42.0 | 43.2  |
| ≥ 12000         | 21.6                     | 36.8 | 38.3 | 39.7 | 39.9 | 40.5 | 41.0 | 41.2 | 41.2 | 41.6 | 41.6 | 41.6 | 41.8 | 42.0 | 42.2 | 43.5  |
| ≥ 10000         | 21.6                     | 36.8 | 38.3 | 39.7 | 39.9 | 40.5 | 41.0 | 41.2 | 41.2 | 41.6 | 41.6 | 41.6 | 41.8 | 42.0 | 42.2 | 43.5  |
| ≥ 9000          | 21.6                     | 36.8 | 38.3 | 39.7 | 39.9 | 40.5 | 41.0 | 41.2 | 41.2 | 41.6 | 41.6 | 41.6 | 41.8 | 42.0 | 42.2 | 43.5  |
| ≥ 8000          | 21.6                     | 36.8 | 38.3 | 39.7 | 39.9 | 40.5 | 41.0 | 41.2 | 41.2 | 41.6 | 41.6 | 41.6 | 41.8 | 42.0 | 42.2 | 43.5  |
| ≥ 7000          | 21.6                     | 37.0 | 38.5 | 39.9 | 40.1 | 40.7 | 41.2 | 41.4 | 41.4 | 41.8 | 41.8 | 41.8 | 42.0 | 42.2 | 42.4 | 43.7  |
| ≥ 6000          | 21.6                     | 37.4 | 38.9 | 40.3 | 40.5 | 41.2 | 41.6 | 41.8 | 41.8 | 42.2 | 42.2 | 42.2 | 42.4 | 42.6 | 42.8 | 44.1  |
| ≥ 5000          | 22.0                     | 37.8 | 39.3 | 40.7 | 41.0 | 41.6 | 42.0 | 42.2 | 42.2 | 42.6 | 42.6 | 42.6 | 42.8 | 43.0 | 43.2 | 44.5  |
| ≥ 4500          | 22.0                     | 38.0 | 39.5 | 41.0 | 41.2 | 41.8 | 42.2 | 42.4 | 42.4 | 42.8 | 42.8 | 42.8 | 43.0 | 43.2 | 43.5 | 44.7  |
| ≥ 4000          | 22.0                     | 38.0 | 39.5 | 41.0 | 41.2 | 41.8 | 42.2 | 42.4 | 42.4 | 42.8 | 42.8 | 42.8 | 43.0 | 43.2 | 43.5 | 44.7  |
| ≥ 3500          | 22.0                     | 38.0 | 39.5 | 41.0 | 41.2 | 41.8 | 42.2 | 42.4 | 42.4 | 42.8 | 42.8 | 42.8 | 43.0 | 43.2 | 43.5 | 44.7  |
| ≥ 3000          | 22.2                     | 38.3 | 39.7 | 41.1 | 41.4 | 42.4 | 42.8 | 43.0 | 43.0 | 43.5 | 43.5 | 43.5 | 43.7 | 43.9 | 44.1 | 45.3  |
| ≥ 2500          | 22.9                     | 39.7 | 41.2 | 43.0 | 43.2 | 43.9 | 44.3 | 44.5 | 44.5 | 44.9 | 44.9 | 44.9 | 45.1 | 45.3 | 45.5 | 46.8  |
| ≥ 2000          | 22.9                     | 39.9 | 41.4 | 43.2 | 43.5 | 44.1 | 44.5 | 44.7 | 44.7 | 45.1 | 45.1 | 45.1 | 45.3 | 45.5 | 45.7 | 47.0  |
| ≥ 1800          | 22.9                     | 39.9 | 41.4 | 43.2 | 43.5 | 44.1 | 44.5 | 44.7 | 44.7 | 45.1 | 45.1 | 45.1 | 45.3 | 45.5 | 45.7 | 47.0  |
| ≥ 1500          | 23.5                     | 40.7 | 42.2 | 44.1 | 44.3 | 44.9 | 45.3 | 45.5 | 45.5 | 45.9 | 45.9 | 45.9 | 46.2 | 46.4 | 46.6 | 47.8  |
| ≥ 1200          | 23.7                     | 41.6 | 43.0 | 44.9 | 45.1 | 45.7 | 46.2 | 46.4 | 46.4 | 46.8 | 46.8 | 46.8 | 47.0 | 47.2 | 47.4 | 48.6  |
| ≥ 1000          | 24.1                     | 42.4 | 43.9 | 45.7 | 45.9 | 46.6 | 47.0 | 47.2 | 47.2 | 47.6 | 47.6 | 47.6 | 47.8 | 48.0 | 48.2 | 49.5  |
| ≥ 900           | 24.3                     | 44.5 | 45.9 | 47.8 | 48.0 | 48.6 | 49.1 | 49.3 | 49.3 | 49.7 | 49.7 | 49.7 | 49.9 | 50.1 | 50.3 | 51.6  |
| ≥ 800           | 24.3                     | 45.5 | 47.4 | 49.3 | 49.5 | 50.1 | 50.5 | 50.7 | 50.7 | 51.1 | 51.1 | 51.1 | 51.4 | 51.6 | 51.8 | 53.0  |
| ≥ 700           | 24.3                     | 45.9 | 48.0 | 49.9 | 50.1 | 50.7 | 51.1 | 51.4 | 51.4 | 51.8 | 51.8 | 51.8 | 52.0 | 52.2 | 52.4 | 53.6  |
| ≥ 600           | 24.3                     | 48.4 | 50.9 | 53.0 | 53.2 | 53.8 | 54.3 | 54.5 | 54.5 | 54.9 | 54.9 | 54.9 | 55.1 | 55.3 | 55.5 | 56.8  |
| ≥ 500           | 24.3                     | 50.9 | 53.8 | 56.1 | 56.8 | 57.4 | 57.8 | 58.0 | 58.0 | 58.4 | 58.4 | 58.4 | 58.6 | 58.8 | 59.0 | 60.5  |
| ≥ 400           | 24.3                     | 52.0 | 55.9 | 60.1 | 61.2 | 62.2 | 62.6 | 63.2 | 63.2 | 63.6 | 63.6 | 63.6 | 63.8 | 64.0 | 64.4 | 66.3  |
| ≥ 300           | 24.3                     | 52.4 | 57.8 | 63.8 | 66.3 | 67.2 | 68.0 | 68.8 | 69.2 | 69.9 | 69.9 | 69.9 | 70.1 | 70.3 | 70.7 | 73.4  |
| ≥ 200           | 24.3                     | 52.4 | 58.0 | 65.1 | 68.0 | 70.1 | 71.5 | 72.6 | 73.2 | 74.0 | 75.1 | 75.5 | 76.1 | 77.5 | 80.5 | 85.0  |
| ≥ 100           | 24.3                     | 52.4 | 58.0 | 65.1 | 68.0 | 70.1 | 71.7 | 73.2 | 74.2 | 75.9 | 77.1 | 78.0 | 79.4 | 81.9 | 86.5 | 99.4  |
| ≥ 0             | 24.3                     | 52.4 | 58.0 | 65.1 | 68.0 | 70.1 | 71.7 | 73.2 | 74.2 | 75.9 | 77.1 | 78.0 | 79.4 | 82.1 | 86.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

481

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 | ≥10                      | ≥6   | ≥5   | ≥4   | ≥3   | ≥2   | ≥2   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1    |
| NO. CEILING     | 30.8                     | 42.1 | 43.0 | 43.4 | 43.7 | 44.0 | 44.2 | 44.3 | 44.3 | 44.5 | 44.5 | 44.5 | 44.7 | 44.8 | 45.0 | 45.0  |
| ≥ 20000         | 31.1                     | 42.6 | 43.5 | 44.0 | 44.4 | 44.6 | 44.7 | 44.9 | 44.9 | 45.1 | 45.1 | 45.1 | 45.3 | 45.4 | 45.6 | 46.2  |
| ≥ 18000         | 31.2                     | 42.7 | 43.6 | 44.1 | 44.5 | 44.7 | 44.9 | 45.0 | 45.0 | 45.2 | 45.2 | 45.3 | 45.4 | 45.5 | 45.7 | 46.3  |
| ≥ 16000         | 31.3                     | 42.7 | 43.7 | 44.1 | 44.5 | 44.7 | 44.9 | 45.0 | 45.0 | 45.2 | 45.3 | 45.3 | 45.4 | 45.5 | 45.7 | 46.4  |
| ≥ 14000         | 31.5                     | 42.9 | 43.8 | 44.3 | 44.3 | 45.0 | 45.1 | 45.3 | 45.3 | 45.5 | 45.5 | 45.5 | 45.7 | 45.8 | 46.0 | 46.6  |
| ≥ 12000         | 31.8                     | 43.4 | 44.3 | 44.8 | 45.3 | 45.5 | 45.7 | 45.8 | 45.8 | 46.0 | 46.1 | 46.1 | 46.2 | 46.3 | 46.5 | 47.2  |
| ≥ 10000         | 32.1                     | 44.0 | 45.0 | 45.4 | 46.0 | 46.3 | 46.4 | 46.6 | 46.6 | 46.7 | 46.8 | 46.8 | 47.0 | 47.1 | 47.3 | 47.9  |
| ≥ 9000          | 32.1                     | 44.0 | 45.0 | 45.4 | 46.0 | 46.3 | 46.4 | 46.6 | 46.6 | 46.7 | 46.8 | 46.8 | 47.0 | 47.1 | 47.3 | 47.9  |
| ≥ 8000          | 32.2                     | 44.3 | 45.3 | 45.8 | 46.4 | 46.6 | 46.7 | 46.9 | 46.9 | 47.1 | 47.1 | 47.1 | 47.3 | 47.4 | 47.6 | 48.2  |
| ≥ 7000          | 32.3                     | 44.5 | 45.4 | 45.9 | 46.5 | 46.7 | 46.9 | 47.0 | 47.0 | 47.2 | 47.3 | 47.3 | 47.4 | 47.5 | 47.7 | 48.4  |
| ≥ 6000          | 32.3                     | 44.7 | 45.7 | 46.1 | 46.6 | 47.0 | 47.1 | 47.3 | 47.3 | 47.5 | 47.5 | 47.5 | 47.7 | 47.8 | 48.0 | 48.6  |
| ≥ 5000          | 32.4                     | 44.9 | 45.8 | 46.3 | 46.9 | 47.1 | 47.3 | 47.4 | 47.4 | 47.6 | 47.7 | 47.7 | 47.8 | 47.9 | 48.1 | 48.8  |
| ≥ 4500          | 32.4                     | 44.9 | 45.9 | 46.3 | 47.0 | 47.2 | 47.4 | 47.5 | 47.5 | 47.7 | 47.7 | 47.7 | 47.8 | 47.9 | 48.0 | 48.8  |
| ≥ 4000          | 32.7                     | 45.3 | 46.3 | 46.8 | 47.5 | 47.7 | 47.8 | 48.0 | 48.0 | 48.2 | 48.2 | 48.3 | 48.4 | 48.5 | 48.7 | 49.3  |
| ≥ 3500          | 32.8                     | 45.4 | 46.4 | 46.9 | 47.6 | 47.8 | 47.9 | 48.1 | 48.1 | 48.3 | 48.3 | 48.4 | 48.5 | 48.6 | 48.8 | 49.4  |
| ≥ 3000          | 33.1                     | 45.7 | 46.8 | 47.3 | 48.0 | 48.2 | 48.3 | 48.5 | 48.5 | 48.7 | 48.7 | 48.8 | 48.9 | 49.0 | 49.2 | 49.8  |
| ≥ 2500          | 33.7                     | 46.6 | 47.7 | 48.2 | 48.8 | 49.1 | 49.2 | 49.4 | 49.4 | 49.6 | 49.6 | 49.6 | 49.8 | 49.9 | 50.1 | 50.7  |
| ≥ 2000          | 34.1                     | 47.5 | 48.6 | 49.1 | 49.7 | 49.9 | 50.1 | 50.3 | 50.3 | 50.5 | 50.5 | 50.5 | 50.7 | 50.8 | 51.0 | 51.6  |
| ≥ 1800          | 34.4                     | 48.1 | 49.2 | 49.7 | 50.3 | 50.6 | 50.7 | 50.9 | 50.9 | 51.1 | 51.1 | 51.1 | 51.3 | 51.4 | 51.6 | 52.2  |
| ≥ 1500          | 34.9                     | 49.1 | 50.2 | 50.7 | 51.4 | 51.7 | 51.8 | 52.0 | 52.0 | 52.2 | 52.2 | 52.2 | 52.4 | 52.5 | 52.7 | 53.3  |
| ≥ 1200          | 35.3                     | 50.4 | 51.6 | 52.3 | 53.0 | 53.3 | 53.4 | 53.6 | 53.6 | 53.8 | 53.8 | 53.9 | 54.0 | 54.1 | 54.3 | 54.9  |
| ≥ 1000          | 35.7                     | 52.1 | 53.5 | 54.5 | 55.1 | 55.4 | 55.6 | 55.8 | 55.8 | 56.0 | 56.0 | 56.0 | 56.2 | 56.3 | 56.5 | 57.1  |
| ≥ 900           | 36.0                     | 53.3 | 55.1 | 56.1 | 56.8 | 57.2 | 57.3 | 57.5 | 57.5 | 57.7 | 57.7 | 57.8 | 57.9 | 58.0 | 58.2 | 58.9  |
| ≥ 800           | 36.2                     | 54.7 | 57.0 | 58.1 | 58.9 | 59.3 | 59.4 | 59.6 | 59.6 | 59.8 | 59.8 | 59.9 | 60.0 | 60.1 | 60.3 | 61.0  |
| ≥ 700           | 36.5                     | 56.3 | 59.1 | 60.7 | 61.7 | 62.0 | 62.2 | 62.4 | 62.4 | 62.6 | 62.7 | 62.7 | 62.9 | 63.0 | 63.2 | 63.8  |
| ≥ 600           | 36.6                     | 57.4 | 60.9 | 63.2 | 64.3 | 64.7 | 65.0 | 65.2 | 65.2 | 65.4 | 65.4 | 65.5 | 65.6 | 65.7 | 65.9 | 66.6  |
| ≥ 500           | 36.6                     | 58.7 | 62.8 | 66.0 | 67.9 | 68.6 | 69.0 | 69.4 | 69.3 | 69.7 | 69.8 | 69.8 | 70.0 | 70.1 | 70.3 | 70.9  |
| ≥ 400           | 36.6                     | 59.4 | 64.0 | 68.2 | 71.1 | 72.1 | 72.8 | 73.7 | 73.8 | 74.2 | 74.4 | 74.5 | 74.7 | 74.9 | 75.2 | 75.8  |
| ≥ 300           | 36.6                     | 59.7 | 64.6 | 69.5 | 73.4 | 74.7 | 75.9 | 77.6 | 77.9 | 78.5 | 79.0 | 79.2 | 79.6 | 79.9 | 80.4 | 81.1  |
| ≥ 200           | 36.6                     | 59.8 | 64.7 | 69.9 | 74.1 | 75.8 | 77.2 | 79.5 | 80.0 | 81.2 | 82.1 | 82.7 | 83.6 | 84.4 | 86.0 | 88.4  |
| ≥ 100           | 36.6                     | 59.8 | 64.7 | 69.9 | 74.2 | 75.9 | 77.4 | 80.0 | 80.7 | 82.1 | 83.2 | 84.0 | 85.3 | 86.6 | 89.8 | 99.5  |
| ≥ 0             | 36.6                     | 59.8 | 64.7 | 69.9 | 74.2 | 75.9 | 77.4 | 80.0 | 80.7 | 82.1 | 83.2 | 84.0 | 85.3 | 86.6 | 89.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

4749

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70-77

0000-0200

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200

| CEILING<br>FEET | VISIBILITY, STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------|---------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                 | ≥10                       | ≥6   | ≥5   | ≥4   | ≥3   | ≥2   | ≥2   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   |
| NO. CEILING     | 34.4                      | 31.4 | 52.1 | 52.4 | 54.4 | 54.4 | 54.9 | 55.7 | 55.7 | 56.3 | 56.3 | 56.4 | 56.4 | 57.0 | 57.4 | 59.4 |
| ≥20000          | 34.4                      | 31.4 | 52.1 | 52.4 | 54.4 | 54.4 | 54.9 | 55.7 | 55.7 | 56.3 | 56.3 | 56.4 | 56.4 | 57.0 | 57.4 | 59.4 |
| ≥18000          | 34.4                      | 31.4 | 52.1 | 52.4 | 54.4 | 54.4 | 54.9 | 55.7 | 55.7 | 56.3 | 56.3 | 56.4 | 56.4 | 57.0 | 57.4 | 59.4 |
| ≥16000          | 34.4                      | 31.4 | 52.1 | 52.4 | 54.4 | 54.4 | 54.9 | 55.7 | 55.7 | 56.3 | 56.3 | 56.4 | 56.4 | 57.0 | 57.4 | 59.4 |
| ≥14000          | 35.4                      | 32.9 | 53.4 | 54.2 | 56.0 | 56.0 | 56.5 | 57.3 | 57.3 | 57.8 | 58.1 | 58.1 | 58.1 | 58.6 | 59.1 | 60.4 |
| ≥12000          | 35.4                      | 32.9 | 53.4 | 54.2 | 56.0 | 56.0 | 56.5 | 57.3 | 57.3 | 57.8 | 58.1 | 58.1 | 58.1 | 58.6 | 59.1 | 60.4 |
| ≥10000          | 35.4                      | 32.9 | 53.4 | 54.2 | 56.0 | 56.0 | 56.5 | 57.3 | 57.3 | 57.8 | 58.1 | 58.1 | 58.1 | 58.6 | 59.1 | 60.4 |
| ≥8000           | 35.4                      | 32.9 | 53.4 | 54.2 | 56.0 | 56.0 | 56.5 | 57.3 | 57.3 | 57.8 | 58.1 | 58.1 | 58.1 | 58.6 | 59.1 | 60.4 |
| ≥6000           | 35.4                      | 32.9 | 53.4 | 54.2 | 56.0 | 56.0 | 56.5 | 57.3 | 57.3 | 57.8 | 58.1 | 58.1 | 58.1 | 58.6 | 59.1 | 60.4 |
| ≥4000           | 35.4                      | 32.9 | 53.4 | 54.2 | 56.0 | 56.0 | 56.5 | 57.3 | 57.3 | 57.8 | 58.1 | 58.1 | 58.1 | 58.6 | 59.1 | 60.4 |
| ≥3000           | 35.4                      | 32.9 | 53.4 | 54.2 | 56.0 | 56.0 | 56.5 | 57.3 | 57.3 | 57.8 | 58.1 | 58.1 | 58.1 | 58.6 | 59.1 | 60.4 |
| ≥2000           | 35.4                      | 32.9 | 53.4 | 54.2 | 56.0 | 56.0 | 56.5 | 57.3 | 57.3 | 57.8 | 58.1 | 58.1 | 58.1 | 58.6 | 59.1 | 60.4 |
| ≥1500           | 36.5                      | 33.9 | 54.4 | 55.2 | 57.0 | 57.0 | 57.6 | 58.3 | 58.3 | 58.9 | 59.1 | 59.1 | 59.1 | 59.4 | 59.6 | 60.2 |
| ≥1000           | 36.5                      | 33.9 | 54.4 | 55.2 | 57.0 | 57.0 | 57.6 | 58.3 | 58.3 | 58.9 | 59.1 | 59.1 | 59.1 | 59.4 | 59.6 | 60.2 |
| ≥750            | 37.0                      | 34.4 | 54.9 | 55.7 | 57.6 | 57.6 | 58.1 | 58.9 | 58.9 | 59.4 | 59.6 | 59.6 | 59.6 | 59.9 | 60.2 | 60.7 |
| ≥500            | 37.2                      | 35.5 | 56.0 | 56.8 | 58.0 | 58.6 | 59.1 | 59.9 | 59.9 | 60.4 | 60.7 | 60.7 | 60.7 | 60.9 | 61.2 | 61.7 |
| ≥250            | 38.0                      | 37.8 | 58.3 | 59.1 | 60.9 | 60.9 | 61.5 | 62.2 | 62.2 | 62.8 | 63.0 | 63.0 | 63.3 | 63.5 | 64.1 | 65.9 |
| ≥120            | 39.1                      | 39.4 | 59.9 | 60.7 | 62.8 | 62.8 | 63.3 | 64.1 | 64.1 | 64.6 | 64.8 | 64.8 | 65.1 | 65.4 | 65.9 | 67.7 |
| ≥75             | 39.6                      | 62.8 | 63.3 | 64.1 | 66.1 | 66.1 | 66.7 | 67.4 | 67.4 | 68.0 | 68.2 | 68.2 | 68.5 | 68.8 | 69.3 | 71.1 |
| ≥50             | 39.6                      | 64.6 | 65.1 | 65.9 | 68.0 | 68.0 | 68.5 | 69.3 | 69.3 | 69.8 | 70.1 | 70.1 | 70.4 | 70.6 | 71.1 | 72.9 |
| ≥25             | 40.1                      | 65.4 | 66.1 | 66.9 | 69.0 | 69.0 | 69.5 | 70.3 | 70.3 | 70.8 | 71.1 | 71.1 | 71.4 | 71.6 | 72.1 | 74.0 |
| ≥15             | 40.1                      | 66.7 | 67.4 | 68.5 | 70.0 | 70.6 | 71.1 | 71.9 | 71.9 | 72.4 | 72.7 | 72.7 | 72.9 | 73.2 | 73.7 | 75.5 |
| ≥10             | 40.1                      | 67.7 | 68.8 | 69.4 | 71.9 | 71.9 | 72.4 | 73.2 | 73.2 | 73.7 | 74.0 | 74.0 | 74.2 | 74.5 | 75.0 | 76.8 |
| ≥7.5            | 40.1                      | 68.5 | 69.5 | 71.9 | 74.0 | 74.0 | 74.7 | 75.5 | 75.5 | 76.0 | 76.3 | 76.3 | 76.6 | 76.8 | 77.2 | 79.2 |
| ≥5              | 40.1                      | 68.8 | 70.3 | 73.4 | 75.5 | 75.8 | 76.8 | 77.6 | 77.6 | 78.1 | 78.6 | 78.6 | 78.9 | 79.2 | 79.7 | 81.5 |
| ≥3              | 40.1                      | 68.8 | 70.3 | 75.5 | 78.4 | 78.9 | 79.9 | 81.3 | 81.3 | 82.0 | 82.8 | 82.8 | 83.1 | 83.3 | 84.4 | 86.7 |
| ≥2              | 40.1                      | 68.8 | 70.3 | 75.5 | 78.4 | 78.9 | 79.9 | 81.3 | 81.8 | 83.1 | 84.4 | 84.4 | 84.9 | 85.2 | 87.5 | 92.2 |
| ≥1              | 40.1                      | 68.8 | 70.3 | 75.5 | 78.4 | 78.9 | 79.9 | 81.3 | 81.8 | 83.1 | 84.4 | 84.4 | 84.9 | 85.2 | 87.5 | 92.2 |
| ≥0              | 40.1                      | 68.8 | 70.3 | 75.5 | 78.4 | 78.9 | 79.9 | 81.3 | 81.8 | 83.1 | 84.4 | 84.4 | 84.9 | 85.2 | 87.5 | 92.2 |

TOTAL NUMBER OF OBSERVATIONS

384



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

7-70, 77-78  
YEARS

UCI

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |       |      |       |       |      |       |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|-------|------|-------|-------|------|-------|-------|
|                 | ≥10                      | ≥6   | ≥5   | ≥4   | ≥3   | ≥2.5 | ≥2   | ≥1.5 | ≥1   | ≥0.75 | ≥0.5 | ≥0.25 | ≥0.15 | ≥0.1 | ≥0.05 | ≥0.01 |
| NO. CEILING     | 33.8                     | 46.7 | 48.7 | 49.2 | 50.8 | 50.8 | 50.8 | 51.0 | 51.3 | 51.3  | 51.5 | 51.8  | 51.8  | 53.1 | 55.1  | 57.9  |
| ≥ 20000         | 33.8                     | 46.7 | 48.7 | 49.2 | 50.8 | 50.8 | 50.8 | 51.0 | 51.3 | 51.3  | 51.5 | 51.8  | 51.8  | 53.1 | 55.1  | 57.9  |
| ≥ 18000         | 33.8                     | 46.7 | 49.0 | 49.5 | 51.0 | 51.0 | 51.0 | 51.3 | 51.5 | 51.5  | 51.8 | 52.1  | 52.1  | 53.3 | 55.4  | 58.2  |
| ≥ 16000         | 34.1                     | 47.7 | 49.7 | 50.3 | 51.8 | 51.8 | 51.8 | 52.1 | 52.3 | 52.3  | 52.6 | 52.8  | 52.8  | 54.1 | 56.2  | 59.0  |
| ≥ 14000         | 34.6                     | 48.2 | 50.3 | 50.8 | 52.3 | 52.3 | 52.3 | 52.6 | 52.8 | 52.8  | 53.1 | 53.3  | 53.3  | 54.6 | 56.7  | 59.5  |
| ≥ 12000         | 34.6                     | 48.2 | 50.3 | 50.8 | 52.3 | 52.3 | 52.3 | 52.6 | 52.8 | 52.8  | 53.1 | 53.3  | 53.3  | 54.6 | 56.7  | 59.5  |
| ≥ 10000         | 34.6                     | 48.2 | 50.3 | 50.8 | 52.3 | 52.3 | 52.3 | 52.6 | 52.8 | 52.8  | 53.1 | 53.3  | 53.3  | 54.6 | 56.7  | 59.5  |
| ≥ 9000          | 34.6                     | 48.2 | 50.3 | 50.8 | 52.3 | 52.3 | 52.3 | 52.6 | 52.8 | 52.8  | 53.1 | 53.3  | 53.3  | 54.6 | 56.7  | 59.5  |
| ≥ 8000          | 35.4                     | 49.2 | 51.3 | 51.8 | 53.3 | 53.3 | 53.3 | 53.6 | 53.8 | 53.8  | 54.1 | 54.4  | 54.4  | 55.6 | 57.7  | 60.5  |
| ≥ 7000          | 35.4                     | 49.2 | 51.3 | 51.8 | 53.3 | 53.3 | 53.3 | 53.6 | 53.8 | 53.8  | 54.1 | 54.4  | 54.4  | 55.6 | 57.7  | 60.5  |
| ≥ 6000          | 35.4                     | 49.2 | 51.3 | 51.8 | 53.3 | 53.3 | 53.3 | 53.6 | 53.8 | 53.8  | 54.1 | 54.4  | 54.4  | 55.6 | 57.7  | 60.5  |
| ≥ 5000          | 35.4                     | 49.2 | 51.3 | 51.8 | 53.3 | 53.3 | 53.3 | 53.6 | 53.8 | 53.8  | 54.1 | 54.4  | 54.4  | 55.6 | 57.7  | 60.5  |
| ≥ 4500          | 35.4                     | 49.2 | 51.3 | 51.8 | 53.3 | 53.3 | 53.3 | 53.6 | 53.8 | 53.8  | 54.1 | 54.4  | 54.4  | 55.6 | 57.7  | 60.5  |
| ≥ 4000          | 35.9                     | 49.7 | 51.8 | 52.3 | 53.8 | 53.8 | 53.8 | 54.1 | 54.4 | 54.4  | 54.9 | 54.9  | 54.9  | 56.2 | 58.2  | 61.0  |
| ≥ 3500          | 36.2                     | 50.0 | 52.1 | 52.6 | 54.1 | 54.1 | 54.1 | 54.4 | 54.6 | 54.6  | 54.9 | 55.1  | 55.1  | 56.4 | 58.5  | 61.3  |
| ≥ 3000          | 36.2                     | 50.0 | 52.1 | 52.6 | 54.1 | 54.1 | 54.1 | 54.4 | 54.6 | 54.6  | 54.9 | 55.1  | 55.1  | 56.4 | 58.5  | 61.3  |
| ≥ 2500          | 36.4                     | 50.5 | 52.6 | 53.1 | 54.6 | 54.6 | 54.6 | 54.9 | 55.1 | 55.1  | 55.4 | 55.6  | 55.6  | 56.9 | 59.0  | 61.8  |
| ≥ 2000          | 36.9                     | 52.1 | 54.1 | 54.6 | 56.2 | 56.2 | 56.4 | 56.7 | 56.9 | 56.9  | 57.2 | 57.4  | 57.4  | 58.7 | 60.8  | 63.6  |
| ≥ 1800          | 36.9                     | 52.8 | 54.9 | 55.4 | 56.9 | 56.9 | 57.2 | 57.4 | 57.7 | 57.7  | 57.9 | 58.2  | 58.2  | 59.5 | 61.5  | 64.4  |
| ≥ 1600          | 37.9                     | 54.9 | 56.9 | 57.4 | 59.0 | 59.0 | 59.2 | 59.5 | 59.7 | 59.7  | 60.0 | 60.3  | 60.3  | 61.5 | 63.6  | 66.4  |
| ≥ 1400          | 38.2                     | 57.2 | 59.2 | 60.0 | 61.5 | 61.5 | 61.8 | 62.1 | 62.3 | 62.3  | 62.6 | 62.8  | 62.8  | 64.1 | 66.2  | 69.0  |
| ≥ 1200          | 38.5                     | 58.5 | 60.5 | 61.3 | 62.8 | 62.8 | 63.1 | 63.3 | 63.6 | 63.6  | 63.8 | 64.1  | 64.1  | 65.4 | 67.4  | 70.2  |
| ≥ 1000          | 38.5                     | 59.5 | 61.5 | 62.3 | 64.4 | 64.4 | 64.6 | 64.9 | 65.1 | 65.1  | 65.4 | 65.6  | 65.6  | 66.9 | 69.0  | 71.8  |
| ≥ 900           | 38.7                     | 60.8 | 62.8 | 64.1 | 66.2 | 66.2 | 66.4 | 66.7 | 66.9 | 66.9  | 67.2 | 67.4  | 67.4  | 68.7 | 70.8  | 73.6  |
| ≥ 800           | 38.7                     | 61.0 | 63.3 | 64.6 | 66.9 | 66.9 | 67.2 | 67.7 | 67.9 | 67.9  | 68.2 | 68.5  | 68.5  | 69.7 | 71.8  | 74.6  |
| ≥ 700           | 38.7                     | 61.8 | 64.6 | 66.7 | 69.5 | 69.5 | 69.7 | 70.5 | 70.8 | 70.8  | 71.0 | 71.3  | 71.3  | 72.6 | 74.6  | 77.4  |
| ≥ 600           | 38.7                     | 62.6 | 65.4 | 68.5 | 71.5 | 71.5 | 71.8 | 72.6 | 72.8 | 72.8  | 73.1 | 73.3  | 73.3  | 74.6 | 76.7  | 79.5  |
| ≥ 500           | 38.7                     | 62.8 | 65.6 | 70.3 | 73.8 | 74.1 | 74.4 | 75.1 | 75.4 | 75.4  | 75.6 | 76.2  | 76.2  | 77.4 | 79.7  | 82.6  |
| ≥ 400           | 38.7                     | 62.8 | 65.9 | 70.8 | 74.6 | 75.6 | 76.9 | 77.7 | 77.9 | 78.2  | 78.5 | 79.0  | 79.0  | 80.8 | 83.8  | 87.2  |
| ≥ 300           | 38.7                     | 62.8 | 65.9 | 70.8 | 74.6 | 75.6 | 77.2 | 78.2 | 78.5 | 78.7  | 79.0 | 79.5  | 79.7  | 81.5 | 85.1  | 90.0  |
| ≥ 200           | 38.7                     | 62.8 | 65.9 | 70.8 | 74.6 | 75.6 | 77.2 | 78.2 | 78.5 | 78.7  | 79.0 | 79.7  | 79.7  | 80.0 | 81.8  | 85.9  |
| ≥ 100           | 38.7                     | 62.8 | 65.9 | 70.8 | 74.6 | 75.6 | 77.2 | 78.2 | 78.5 | 78.7  | 79.0 | 79.7  | 79.7  | 80.0 | 81.8  | 85.9  |

TOTAL NUMBER OF OBSERVATIONS

390

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

UET

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-0800

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |       |      |       |        |      |       |      |       |       |      |       |       |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|--------|------|-------|------|-------|-------|------|-------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1.25 | ≥ 1  | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .16 | ≥ .1 | ≥ .06 | ≥ .03 |
| NO CEILING      | 39.0                       | 45.0 | 45.6 | 46.3 | 47.0 | 48.1  | 48.7 | 49.2  | 49.2   | 49.4 | 49.4  | 49.5 | 49.7  | 50.1  | 50.9 | 52.0  |       |
| ≥ 20000         | 40.2                       | 46.6 | 47.4 | 48.1 | 49.4 | 49.9  | 50.5 | 51.0  | 51.0   | 51.2 | 51.2  | 51.3 | 51.5  | 51.9  | 52.7 | 54.2  |       |
| ≥ 18000         | 40.4                       | 46.7 | 47.0 | 48.3 | 49.5 | 50.1  | 51.0 | 51.2  | 51.2   | 51.3 | 51.3  | 51.5 | 51.6  | 52.0  | 52.8 | 54.4  |       |
| ≥ 16000         | 41.2                       | 47.7 | 48.5 | 49.2 | 50.5 | 51.0  | 51.6 | 52.1  | 52.1   | 52.3 | 52.3  | 52.4 | 52.6  | 53.0  | 53.8 | 55.3  |       |
| ≥ 14000         | 41.6                       | 48.4 | 49.2 | 49.9 | 51.2 | 51.7  | 52.3 | 52.8  | 52.8   | 53.0 | 53.0  | 53.1 | 53.3  | 53.7  | 54.5 | 56.0  |       |
| ≥ 12000         | 41.9                       | 48.7 | 49.5 | 50.2 | 51.5 | 52.0  | 52.6 | 53.1  | 53.1   | 53.3 | 53.3  | 53.4 | 53.5  | 54.1  | 55.0 | 56.6  |       |
| ≥ 10000         | 42.6                       | 49.5 | 50.3 | 51.0 | 52.3 | 52.8  | 53.4 | 53.9  | 53.9   | 54.1 | 54.1  | 54.2 | 54.4  | 54.9  | 55.9 | 57.4  |       |
| ≥ 9000          | 42.6                       | 49.5 | 50.3 | 51.0 | 52.3 | 52.8  | 53.4 | 53.9  | 53.9   | 54.1 | 54.1  | 54.2 | 54.4  | 54.9  | 55.9 | 57.4  |       |
| ≥ 8000          | 42.7                       | 49.9 | 50.8 | 51.5 | 52.7 | 53.3  | 53.8 | 54.4  | 54.4   | 54.5 | 54.5  | 54.6 | 54.8  | 55.3  | 56.3 | 57.8  |       |
| ≥ 7000          | 42.9                       | 50.1 | 50.9 | 51.6 | 52.8 | 53.4  | 53.9 | 54.5  | 54.5   | 54.6 | 54.6  | 54.8 | 54.9  | 55.5  | 56.6 | 58.1  |       |
| ≥ 6000          | 43.2                       | 50.3 | 51.2 | 51.9 | 53.1 | 53.7  | 54.2 | 54.8  | 54.8   | 54.9 | 54.9  | 55.0 | 55.2  | 55.7  | 56.8 | 58.4  |       |
| ≥ 5000          | 43.2                       | 50.3 | 51.2 | 51.9 | 53.1 | 53.7  | 54.2 | 54.8  | 54.8   | 54.9 | 54.9  | 55.0 | 55.2  | 55.7  | 56.8 | 58.4  |       |
| ≥ 4500          | 43.3                       | 50.9 | 51.7 | 52.4 | 53.7 | 54.2  | 54.8 | 55.3  | 55.3   | 55.5 | 55.5  | 55.6 | 55.7  | 56.3  | 57.4 | 58.9  |       |
| ≥ 4000          | 44.0                       | 51.6 | 52.4 | 53.1 | 54.4 | 54.9  | 55.5 | 56.0  | 56.0   | 56.2 | 56.2  | 56.3 | 56.4  | 57.0  | 58.1 | 59.6  |       |
| ≥ 3500          | 44.0                       | 51.6 | 52.4 | 53.1 | 54.4 | 54.9  | 55.5 | 56.0  | 56.0   | 56.2 | 56.2  | 56.3 | 56.4  | 57.0  | 58.1 | 59.6  |       |
| ≥ 3000          | 44.2                       | 52.0 | 52.8 | 53.5 | 54.8 | 55.3  | 55.9 | 56.4  | 56.4   | 56.6 | 56.6  | 56.7 | 56.8  | 57.4  | 58.5 | 60.0  |       |
| ≥ 2500          | 45.1                       | 53.4 | 54.4 | 55.0 | 56.4 | 57.0  | 57.5 | 58.1  | 58.1   | 58.2 | 58.2  | 58.4 | 58.5  | 59.1  | 60.2 | 61.7  |       |
| ≥ 2000          | 45.8                       | 55.0 | 56.2 | 57.0 | 58.8 | 59.5  | 60.0 | 60.6  | 60.6   | 60.7 | 60.7  | 60.9 | 61.0  | 61.5  | 62.7 | 64.2  |       |
| ≥ 1800          | 46.2                       | 56.4 | 57.5 | 58.5 | 60.3 | 61.0  | 61.5 | 62.1  | 62.1   | 62.2 | 62.4  | 62.5 | 62.7  | 63.2  | 64.5 | 66.0  |       |
| ≥ 1500          | 46.9                       | 57.3 | 58.5 | 59.5 | 61.4 | 62.2  | 63.1 | 63.8  | 63.8   | 63.9 | 64.0  | 64.2 | 64.3  | 64.9  | 66.1 | 67.6  |       |
| ≥ 1200          | 47.4                       | 58.9 | 60.2 | 61.3 | 63.3 | 64.2  | 65.0 | 65.7  | 65.7   | 65.8 | 66.0  | 66.1 | 66.3  | 66.8  | 68.0 | 69.6  |       |
| ≥ 1000          | 47.6                       | 59.5 | 61.0 | 62.4 | 64.5 | 65.3  | 66.3 | 66.9  | 66.9   | 67.1 | 67.2  | 67.4 | 67.5  | 68.0  | 69.3 | 70.8  |       |
| ≥ 900           | 47.6                       | 60.7 | 62.5 | 64.3 | 66.4 | 67.2  | 68.5 | 69.2  | 69.2   | 69.3 | 69.4  | 69.6 | 69.7  | 70.3  | 71.5 | 73.0  |       |
| ≥ 800           | 47.6                       | 61.3 | 63.2 | 65.6 | 68.6 | 69.4  | 70.7 | 71.4  | 71.4   | 71.5 | 71.6  | 71.8 | 71.9  | 72.5  | 73.7 | 75.2  |       |
| ≥ 700           | 47.6                       | 61.5 | 63.6 | 66.1 | 69.3 | 70.1  | 71.4 | 72.2  | 72.2   | 72.3 | 72.5  | 72.6 | 72.8  | 73.3  | 74.6 | 76.1  |       |
| ≥ 600           | 47.6                       | 62.0 | 64.2 | 66.7 | 70.3 | 71.2  | 72.9 | 73.7  | 73.7   | 73.9 | 74.0  | 74.1 | 74.3  | 74.8  | 76.1 | 77.6  |       |
| ≥ 500           | 47.6                       | 62.2 | 64.6 | 67.4 | 71.6 | 72.6  | 74.7 | 75.5  | 75.5   | 75.7 | 75.8  | 75.9 | 76.1  | 76.6  | 77.9 | 79.4  |       |
| ≥ 400           | 47.6                       | 62.2 | 64.6 | 68.6 | 73.2 | 74.4  | 77.3 | 78.4  | 78.6   | 79.4 | 79.8  | 80.1 | 80.2  | 80.8  | 82.0 | 83.5  |       |
| ≥ 300           | 47.6                       | 62.2 | 64.6 | 68.6 | 73.2 | 74.4  | 77.7 | 79.3  | 79.5   | 80.6 | 81.2  | 81.5 | 81.9  | 82.4  | 84.4 | 85.9  |       |
| ≥ 200           | 47.6                       | 62.2 | 64.6 | 68.6 | 73.4 | 74.7  | 78.1 | 79.8  | 80.1   | 81.5 | 82.0  | 82.4 | 83.1  | 84.1  | 86.4 | 88.0  |       |
| ≥ 100           | 47.6                       | 62.2 | 64.6 | 68.6 | 73.4 | 74.7  | 78.3 | 80.1  | 80.4   | 81.7 | 82.3  | 83.0 | 83.8  | 84.8  | 87.8 | 89.6  |       |
| ≥ 0             | 47.6                       | 62.2 | 64.6 | 68.6 | 73.4 | 74.7  | 78.3 | 80.1  | 80.4   | 81.7 | 82.3  | 83.0 | 83.8  | 84.8  | 87.8 | 89.6  |       |

TOTAL NUMBER OF OBSERVATIONS

723

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

67-70, 73-76  
YEARS

UCI

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100

| CEILING<br>FEET | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 | ≥10                        | ≥6   | ≥5   | ≥4   | ≥3   | ≥2   | ≥2   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1    |
| NO CEILING      | 45.8                       | 55.2 | 57.0 | 58.5 | 58.7 | 58.8 | 59.0 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1  |
| ≥ 20000         | 47.8                       | 57.8 | 59.7 | 61.6 | 61.8 | 61.9 | 62.1 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2  |
| ≥ 18000         | 48.1                       | 58.3 | 60.2 | 62.1 | 62.3 | 62.4 | 62.6 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7  |
| ≥ 16000         | 48.5                       | 58.7 | 60.6 | 62.4 | 62.7 | 62.8 | 62.9 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1  |
| ≥ 14000         | 49.0                       | 59.6 | 61.4 | 63.6 | 63.8 | 63.9 | 64.1 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2  |
| ≥ 12000         | 49.5                       | 60.1 | 61.9 | 64.1 | 64.3 | 64.4 | 64.6 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7  |
| ≥ 10000         | 49.9                       | 60.8 | 62.7 | 64.9 | 65.2 | 65.3 | 65.4 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5  |
| ≥ 9000          | 49.9                       | 60.8 | 62.7 | 64.9 | 65.2 | 65.3 | 65.4 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5  |
| ≥ 8000          | 50.1                       | 61.4 | 63.3 | 65.5 | 65.8 | 65.9 | 66.0 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2  |
| ≥ 7000          | 50.1                       | 61.4 | 63.3 | 65.5 | 65.8 | 65.9 | 66.0 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2  |
| ≥ 6000          | 51.1                       | 62.6 | 64.4 | 66.7 | 66.9 | 67.0 | 67.2 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3  |
| ≥ 5000          | 51.2                       | 62.8 | 64.7 | 66.9 | 67.2 | 67.3 | 67.4 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5  |
| ≥ 4500          | 51.5                       | 63.1 | 64.9 | 67.2 | 67.4 | 67.5 | 67.7 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8  |
| ≥ 4000          | 51.9                       | 63.6 | 65.4 | 67.7 | 67.9 | 68.0 | 68.2 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3  |
| ≥ 3500          | 52.1                       | 63.8 | 65.7 | 67.9 | 68.2 | 68.3 | 68.4 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5  |
| ≥ 3000          | 52.1                       | 64.1 | 65.9 | 68.2 | 68.4 | 68.5 | 68.7 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8  |
| ≥ 2500          | 53.5                       | 65.7 | 67.9 | 70.3 | 70.6 | 70.8 | 70.9 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0  |
| ≥ 2000          | 54.1                       | 67.4 | 69.9 | 72.5 | 72.9 | 73.0 | 73.1 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3  |
| ≥ 1800          | 54.6                       | 68.2 | 70.6 | 73.3 | 73.8 | 73.9 | 74.0 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1  |
| ≥ 1500          | 55.5                       | 70.1 | 72.8 | 75.7 | 76.2 | 76.4 | 76.5 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6  |
| ≥ 1200          | 56.5                       | 72.6 | 75.5 | 78.6 | 79.4 | 79.5 | 79.6 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7  |
| ≥ 1000          | 56.8                       | 74.0 | 77.0 | 80.6 | 81.5 | 81.6 | 81.7 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8  |
| ≥ 900           | 56.8                       | 75.2 | 78.7 | 82.6 | 83.5 | 83.6 | 83.7 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8  |
| ≥ 800           | 56.8                       | 76.2 | 80.3 | 84.3 | 85.4 | 85.6 | 85.7 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8  |
| ≥ 700           | 56.8                       | 76.4 | 80.6 | 84.6 | 85.8 | 85.9 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2  |
| ≥ 600           | 56.8                       | 76.5 | 81.1 | 85.8 | 87.4 | 87.8 | 88.1 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2  |
| ≥ 500           | 56.8                       | 76.9 | 81.6 | 86.8 | 88.7 | 89.2 | 89.8 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.2 | 90.2 | 90.2  |
| ≥ 400           | 56.8                       | 76.9 | 81.7 | 87.4 | 90.7 | 91.3 | 92.2 | 92.5 | 92.5 | 92.7 | 92.7 | 92.7 | 92.7 | 92.8 | 92.8 | 92.8  |
| ≥ 300           | 56.8                       | 76.9 | 81.7 | 87.6 | 90.9 | 92.0 | 93.0 | 94.0 | 94.0 | 94.7 | 94.8 | 94.9 | 95.5 | 95.8 | 95.9 | 95.9  |
| ≥ 200           | 56.8                       | 76.9 | 81.7 | 87.6 | 90.9 | 92.0 | 93.0 | 94.3 | 94.3 | 94.9 | 95.4 | 95.5 | 96.6 | 97.1 | 98.1 | 98.2  |
| ≥ 100           | 56.8                       | 76.9 | 81.7 | 87.6 | 90.9 | 92.0 | 93.0 | 94.3 | 94.3 | 94.9 | 95.4 | 95.5 | 96.9 | 97.6 | 99.0 | 100.0 |
| ≥ 0             | 56.8                       | 76.9 | 81.7 | 87.6 | 90.9 | 92.0 | 93.0 | 94.3 | 94.3 | 94.9 | 95.4 | 95.5 | 96.9 | 97.6 | 99.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

804

USAF ETAC

0-14-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAF

## CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |       |      |       |       |      |      |      |      |       |      |      |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|------|-------|------|------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1.4 | ≥ 1  | ≥ .5 | ≥ .4 | ≥ .3 | ≥ .25 | ≥ .2 | ≥ 0  |
| NO CEILING      | 51.1                       | 66.2 | 67.4 | 68.7 | 69.5 | 69.5  | 69.5 | 69.5  | 69.7  | 69.7 | 69.7 | 69.7 | 69.7 | 69.7  | 69.7 | 69.7 |
| ≥ 20000         | 53.0                       | 69.4 | 71.0 | 72.3 | 73.1 | 73.1  | 73.1 | 73.1  | 73.3  | 73.3 | 73.3 | 73.3 | 73.3 | 73.3  | 73.3 | 73.3 |
| ≥ 18000         | 53.0                       | 69.7 | 71.3 | 72.5 | 73.4 | 73.4  | 73.4 | 73.4  | 73.5  | 73.5 | 73.5 | 73.5 | 73.5 | 73.5  | 73.5 | 73.5 |
| ≥ 16000         | 53.0                       | 69.7 | 71.3 | 72.5 | 73.4 | 73.4  | 73.4 | 73.4  | 73.5  | 73.5 | 73.5 | 73.5 | 73.5 | 73.5  | 73.5 | 73.5 |
| ≥ 14000         | 53.4                       | 70.6 | 72.3 | 73.5 | 74.4 | 74.4  | 74.4 | 74.4  | 74.5  | 74.5 | 74.5 | 74.5 | 74.5 | 74.5  | 74.5 | 74.5 |
| ≥ 12000         | 54.0                       | 71.4 | 73.1 | 74.4 | 75.2 | 75.2  | 75.2 | 75.2  | 75.4  | 75.4 | 75.4 | 75.4 | 75.4 | 75.4  | 75.4 | 75.4 |
| ≥ 10000         | 54.6                       | 72.1 | 73.9 | 75.1 | 76.0 | 76.0  | 76.0 | 76.0  | 76.1  | 76.1 | 76.1 | 76.1 | 76.1 | 76.1  | 76.1 | 76.1 |
| ≥ 9000          | 54.6                       | 72.1 | 73.9 | 75.1 | 76.0 | 76.0  | 76.0 | 76.0  | 76.1  | 76.1 | 76.1 | 76.1 | 76.1 | 76.1  | 76.1 | 76.1 |
| ≥ 8000          | 55.1                       | 72.9 | 74.6 | 75.9 | 76.7 | 76.7  | 76.7 | 76.7  | 76.9  | 76.9 | 76.9 | 76.9 | 76.9 | 76.9  | 76.9 | 76.9 |
| ≥ 7000          | 55.3                       | 73.1 | 74.9 | 76.1 | 77.0 | 77.0  | 77.0 | 77.0  | 77.1  | 77.1 | 77.1 | 77.1 | 77.1 | 77.1  | 77.1 | 77.1 |
| ≥ 6000          | 56.2                       | 74.0 | 75.7 | 77.0 | 77.9 | 77.9  | 77.9 | 77.9  | 78.0  | 78.0 | 78.0 | 78.0 | 78.0 | 78.0  | 78.0 | 78.0 |
| ≥ 5000          | 56.2                       | 74.4 | 76.1 | 77.4 | 78.2 | 78.2  | 78.2 | 78.2  | 78.4  | 78.4 | 78.4 | 78.4 | 78.4 | 78.4  | 78.4 | 78.4 |
| ≥ 4500          | 56.2                       | 74.4 | 76.1 | 77.4 | 78.2 | 78.2  | 78.2 | 78.2  | 78.4  | 78.4 | 78.4 | 78.4 | 78.4 | 78.4  | 78.4 | 78.4 |
| ≥ 4000          | 56.5                       | 74.9 | 76.6 | 77.9 | 78.7 | 78.7  | 78.7 | 78.7  | 78.9  | 78.9 | 78.9 | 78.9 | 78.9 | 78.9  | 78.9 | 78.9 |
| ≥ 3500          | 57.1                       | 75.6 | 77.4 | 78.6 | 79.5 | 79.5  | 79.5 | 79.5  | 79.6  | 79.6 | 79.6 | 79.6 | 79.6 | 79.6  | 79.6 | 79.6 |
| ≥ 3000          | 57.5                       | 76.0 | 77.7 | 79.0 | 79.9 | 79.9  | 79.9 | 79.9  | 80.0  | 80.0 | 80.0 | 80.0 | 80.0 | 80.0  | 80.0 | 80.0 |
| ≥ 2500          | 59.1                       | 78.1 | 79.9 | 81.1 | 82.0 | 82.0  | 82.0 | 82.0  | 82.1  | 82.1 | 82.1 | 82.1 | 82.1 | 82.1  | 82.1 | 82.1 |
| ≥ 2000          | 59.3                       | 79.0 | 80.7 | 82.0 | 82.8 | 82.8  | 82.8 | 82.8  | 83.0  | 83.0 | 83.0 | 83.0 | 83.0 | 83.0  | 83.0 | 83.0 |
| ≥ 1800          | 59.8                       | 80.0 | 81.7 | 83.0 | 83.8 | 83.8  | 83.8 | 83.8  | 84.0  | 84.0 | 84.0 | 84.0 | 84.0 | 84.0  | 84.0 | 84.0 |
| ≥ 1500          | 60.3                       | 81.8 | 83.6 | 85.1 | 86.2 | 86.2  | 86.2 | 86.2  | 86.3  | 86.3 | 86.3 | 86.3 | 86.3 | 86.3  | 86.3 | 86.3 |
| ≥ 1200          | 60.8                       | 84.1 | 85.9 | 87.4 | 88.6 | 88.6  | 88.6 | 88.6  | 88.7  | 88.7 | 88.7 | 88.7 | 88.7 | 88.7  | 88.7 | 88.7 |
| ≥ 1000          | 61.1                       | 85.0 | 87.1 | 88.7 | 89.8 | 89.8  | 89.8 | 89.8  | 89.9  | 89.9 | 89.9 | 89.9 | 89.9 | 89.9  | 89.9 | 89.9 |
| ≥ 900           | 61.1                       | 85.1 | 87.4 | 89.2 | 90.3 | 90.3  | 90.3 | 90.3  | 90.4  | 90.4 | 90.4 | 90.4 | 90.4 | 90.4  | 90.4 | 90.4 |
| ≥ 800           | 61.2                       | 85.7 | 88.2 | 90.0 | 91.8 | 91.8  | 91.8 | 91.8  | 91.9  | 91.9 | 91.9 | 91.9 | 91.9 | 91.9  | 91.9 | 91.9 |
| ≥ 700           | 61.2                       | 86.3 | 89.1 | 91.0 | 92.8 | 92.8  | 92.8 | 92.8  | 93.0  | 93.0 | 93.0 | 93.0 | 93.0 | 93.0  | 93.0 | 93.0 |
| ≥ 600           | 61.3                       | 86.9 | 89.7 | 91.9 | 93.9 | 93.9  | 94.2 | 94.2  | 94.3  | 94.3 | 94.3 | 94.3 | 94.3 | 94.3  | 94.3 | 94.3 |
| ≥ 500           | 61.3                       | 87.1 | 90.0 | 92.5 | 95.1 | 95.1  | 95.4 | 95.4  | 95.5  | 95.5 | 95.5 | 95.5 | 95.5 | 95.5  | 95.5 | 95.5 |
| ≥ 400           | 61.3                       | 87.1 | 90.0 | 92.7 | 95.6 | 95.9  | 96.4 | 96.9  | 97.0  | 97.0 | 97.0 | 97.0 | 97.0 | 97.0  | 97.0 | 97.0 |
| ≥ 300           | 61.3                       | 87.1 | 90.0 | 92.8 | 95.8 | 96.0  | 97.0 | 98.3  | 98.4  | 98.8 | 98.8 | 98.8 | 98.8 | 98.9  | 99.0 | 99.0 |
| ≥ 200           | 61.3                       | 87.1 | 90.0 | 92.8 | 95.8 | 96.0  | 97.0 | 98.3  | 98.4  | 98.9 | 99.0 | 99.0 | 99.0 | 99.3  | 99.4 | 99.9 |
| ≥ 100           | 61.3                       | 87.1 | 90.0 | 92.8 | 95.8 | 96.0  | 97.0 | 98.3  | 98.4  | 98.9 | 99.0 | 99.0 | 99.0 | 99.4  | 99.5 | 99.9 |
| ≥ 0             | 61.3                       | 87.1 | 90.0 | 92.8 | 95.8 | 96.0  | 97.0 | 98.3  | 98.4  | 98.9 | 99.0 | 99.0 | 99.0 | 99.4  | 99.5 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS

R04

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

UCI

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |       |      |       |      |        |       |        |        |       |        |        |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|------|--------|-------|--------|--------|-------|--------|--------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ 0.75 | ≥ 0.5 | ≥ 0.25 | ≥ 0.15 | ≥ 0.1 | ≥ 0.05 | ≥ 0.01 |
| NO CEILING      | 46.5                       | 59.6 | 60.9 | 61.3 | 62.4 | 62.8  | 63.0 | 63.0  | 63.0 | 63.0   | 63.0  | 63.0   | 63.0   | 63.0  | 63.0   | 63.0   |
| ≥ 20000         | 49.1                       | 62.8 | 64.2 | 64.7 | 65.8 | 66.2  | 66.4 | 66.4  | 66.4 | 66.4   | 66.4  | 66.4   | 66.4   | 66.4  | 66.4   | 66.4   |
| ≥ 18000         | 49.1                       | 63.0 | 64.5 | 65.0 | 66.2 | 66.6  | 66.8 | 66.8  | 66.8 | 66.8   | 66.8  | 66.8   | 66.8   | 66.8  | 66.8   | 66.8   |
| ≥ 16000         | 49.1                       | 63.0 | 64.5 | 65.0 | 66.2 | 66.6  | 66.8 | 66.8  | 66.8 | 66.8   | 66.8  | 66.8   | 66.8   | 66.8  | 66.8   | 66.8   |
| ≥ 14000         | 49.7                       | 63.9 | 65.7 | 66.2 | 67.4 | 67.8  | 68.0 | 68.0  | 68.0 | 68.0   | 68.0  | 68.0   | 68.0   | 68.0  | 68.0   | 68.0   |
| ≥ 12000         | 50.5                       | 64.7 | 66.5 | 67.0 | 68.2 | 68.7  | 68.8 | 68.8  | 68.8 | 68.8   | 68.8  | 68.8   | 68.8   | 68.8  | 68.8   | 68.8   |
| ≥ 10000         | 50.9                       | 65.1 | 66.9 | 67.4 | 68.7 | 69.1  | 69.2 | 69.2  | 69.2 | 69.2   | 69.2  | 69.2   | 69.2   | 69.2  | 69.2   | 69.2   |
| ≥ 9000          | 50.9                       | 65.1 | 66.9 | 67.4 | 68.7 | 69.1  | 69.2 | 69.2  | 69.2 | 69.2   | 69.2  | 69.2   | 69.2   | 69.2  | 69.2   | 69.2   |
| ≥ 8000          | 51.2                       | 65.4 | 67.2 | 67.7 | 68.9 | 69.3  | 69.5 | 69.5  | 69.5 | 69.5   | 69.5  | 69.5   | 69.5   | 69.5  | 69.5   | 69.5   |
| ≥ 7000          | 51.3                       | 65.5 | 67.3 | 67.8 | 69.1 | 69.5  | 69.6 | 69.6  | 69.6 | 69.6   | 69.6  | 69.6   | 69.6   | 69.6  | 69.6   | 69.6   |
| ≥ 6000          | 51.8                       | 66.1 | 67.8 | 68.5 | 69.7 | 70.1  | 70.3 | 70.3  | 70.3 | 70.3   | 70.3  | 70.3   | 70.3   | 70.3  | 70.3   | 70.3   |
| ≥ 5000          | 51.8                       | 66.1 | 67.8 | 68.5 | 69.7 | 70.1  | 70.3 | 70.3  | 70.3 | 70.3   | 70.3  | 70.3   | 70.3   | 70.3  | 70.3   | 70.3   |
| ≥ 4500          | 51.8                       | 66.1 | 67.8 | 68.5 | 69.7 | 70.1  | 70.3 | 70.3  | 70.3 | 70.3   | 70.3  | 70.3   | 70.3   | 70.3  | 70.3   | 70.3   |
| ≥ 4000          | 52.0                       | 66.5 | 68.2 | 68.9 | 70.1 | 70.6  | 70.7 | 70.7  | 70.7 | 70.7   | 70.7  | 70.7   | 70.7   | 70.7  | 70.7   | 70.7   |
| ≥ 3500          | 52.2                       | 66.7 | 68.8 | 69.5 | 70.7 | 71.1  | 71.2 | 71.2  | 71.2 | 71.2   | 71.2  | 71.2   | 71.2   | 71.2  | 71.2   | 71.2   |
| ≥ 3000          | 53.6                       | 68.4 | 70.3 | 71.0 | 72.2 | 72.6  | 72.7 | 72.7  | 72.7 | 72.7   | 72.7  | 72.7   | 72.7   | 72.7  | 72.7   | 72.7   |
| ≥ 2500          | 53.9                       | 69.2 | 71.1 | 71.8 | 73.0 | 73.4  | 73.5 | 73.5  | 73.5 | 73.5   | 73.5  | 73.5   | 73.5   | 73.5  | 73.5   | 73.5   |
| ≥ 2000          | 55.1                       | 70.7 | 72.6 | 73.3 | 74.5 | 74.9  | 75.0 | 75.0  | 75.0 | 75.0   | 75.0  | 75.0   | 75.0   | 75.0  | 75.0   | 75.0   |
| ≥ 1800          | 55.5                       | 71.9 | 73.8 | 74.5 | 75.7 | 76.1  | 76.3 | 76.3  | 76.3 | 76.3   | 76.3  | 76.3   | 76.3   | 76.3  | 76.3   | 76.3   |
| ≥ 1500          | 56.4                       | 72.8 | 75.7 | 76.5 | 77.9 | 78.3  | 78.4 | 78.4  | 78.4 | 78.4   | 78.4  | 78.4   | 78.4   | 78.4  | 78.4   | 78.4   |
| ≥ 1200          | 57.7                       | 76.8 | 78.8 | 79.6 | 81.0 | 81.4  | 81.7 | 81.8  | 81.8 | 81.8   | 81.8  | 81.8   | 81.8   | 81.8  | 81.8   | 81.8   |
| ≥ 1000          | 58.1                       | 78.4 | 80.5 | 81.3 | 82.6 | 83.0  | 83.4 | 83.6  | 83.6 | 83.6   | 83.6  | 83.6   | 83.6   | 83.6  | 83.6   | 83.6   |
| ≥ 900           | 58.3                       | 79.0 | 81.1 | 82.6 | 84.0 | 84.4  | 84.8 | 84.9  | 84.9 | 84.9   | 84.9  | 84.9   | 84.9   | 84.9  | 84.9   | 84.9   |
| ≥ 800           | 58.5                       | 79.4 | 82.0 | 83.4 | 84.9 | 85.3  | 85.8 | 85.9  | 85.9 | 85.9   | 85.9  | 85.9   | 85.9   | 85.9  | 85.9   | 85.9   |
| ≥ 700           | 58.6                       | 80.3 | 83.6 | 85.2 | 86.8 | 87.4  | 87.8 | 87.9  | 87.9 | 87.9   | 87.9  | 87.9   | 87.9   | 87.9  | 87.9   | 87.9   |
| ≥ 600           | 58.6                       | 81.8 | 85.3 | 87.5 | 89.6 | 90.4  | 91.0 | 91.3  | 91.3 | 91.3   | 91.3  | 91.3   | 91.3   | 91.3  | 91.3   | 91.3   |
| ≥ 500           | 58.6                       | 82.7 | 86.3 | 88.7 | 91.0 | 91.9  | 92.9 | 93.4  | 93.4 | 93.4   | 93.4  | 93.4   | 93.4   | 93.4  | 93.4   | 93.4   |
| ≥ 400           | 58.6                       | 82.2 | 86.3 | 89.6 | 92.7 | 93.5  | 95.0 | 95.7  | 95.7 | 95.7   | 95.7  | 95.7   | 95.7   | 95.7  | 95.7   | 95.7   |
| ≥ 300           | 58.6                       | 82.2 | 86.3 | 89.6 | 92.8 | 93.6  | 95.7 | 96.7  | 96.7 | 96.7   | 96.7  | 96.7   | 96.7   | 96.7  | 96.7   | 96.7   |
| ≥ 200           | 58.6                       | 82.2 | 86.3 | 89.6 | 92.8 | 93.6  | 95.7 | 96.9  | 96.9 | 97.2   | 97.2  | 97.2   | 97.2   | 97.2  | 97.2   | 97.2   |
| ≥ 100           | 58.6                       | 82.2 | 86.3 | 89.6 | 92.8 | 93.6  | 95.7 | 96.9  | 96.9 | 97.2   | 97.2  | 97.2   | 97.2   | 97.2  | 97.2   | 97.2   |
| ≥ 0             | 58.6                       | 82.2 | 86.3 | 89.6 | 92.8 | 93.6  | 95.7 | 96.9  | 96.9 | 97.2   | 97.2  | 97.2   | 97.2   | 97.2  | 97.2   | 97.2   |

TOTAL NUMBER OF OBSERVATIONS

737

USAF ETAC

FORM 1-64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-74, 77

UCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |       |      |       |       |      |      |      |      |       |      |       |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|------|-------|------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1.4 | ≥ 1  | ≥ .4 | ≥ .3 | ≥ .2 | ≥ .16 | ≥ .1 | ≥ 0   |
| NO CEILING      | 36.9                       | 49.7 | 50.0 | 50.5 | 50.7 | 50.7  | 50.9 | 51.2  | 51.2  | 51.2 | 51.4 | 51.4 | 51.6 | 51.7  | 53.0 | 53.8  |
| ≥ 20000         | 37.4                       | 50.9 | 51.2 | 51.7 | 51.9 | 51.9  | 52.1 | 52.4  | 52.4  | 52.4 | 52.6 | 52.6 | 52.8 | 53.0  | 54.2 | 55.1  |
| ≥ 18000         | 37.8                       | 51.0 | 51.4 | 51.9 | 52.1 | 52.1  | 52.3 | 52.6  | 52.6  | 52.6 | 52.8 | 52.8 | 53.0 | 53.1  | 54.4 | 55.2  |
| ≥ 16000         | 38.2                       | 51.7 | 52.1 | 52.6 | 52.8 | 52.8  | 53.0 | 53.3  | 53.3  | 53.3 | 53.5 | 53.5 | 53.7 | 53.8  | 55.1 | 55.9  |
| ≥ 14000         | 38.6                       | 52.4 | 52.8 | 53.3 | 53.5 | 53.5  | 53.7 | 54.0  | 54.0  | 54.0 | 54.2 | 54.2 | 54.4 | 54.5  | 55.8 | 56.6  |
| ≥ 12000         | 39.0                       | 52.8 | 53.1 | 53.7 | 53.8 | 53.8  | 54.0 | 54.4  | 54.4  | 54.4 | 54.5 | 54.5 | 54.7 | 54.9  | 56.1 | 57.0  |
| ≥ 10000         | 39.7                       | 53.5 | 53.8 | 54.4 | 54.5 | 54.5  | 54.7 | 55.1  | 55.1  | 55.1 | 55.2 | 55.2 | 55.4 | 55.6  | 56.8 | 57.7  |
| ≥ 9000          | 39.9                       | 53.7 | 54.0 | 54.5 | 54.7 | 54.7  | 54.9 | 55.2  | 55.2  | 55.2 | 55.4 | 55.4 | 55.6 | 55.8  | 57.0 | 57.9  |
| ≥ 8000          | 39.9                       | 53.8 | 54.2 | 54.7 | 54.9 | 54.9  | 55.1 | 55.4  | 55.4  | 55.4 | 55.6 | 55.6 | 55.8 | 55.9  | 57.2 | 58.0  |
| ≥ 7000          | 40.0                       | 54.2 | 54.5 | 55.1 | 55.2 | 55.2  | 55.4 | 55.8  | 55.8  | 55.8 | 55.9 | 55.9 | 56.1 | 56.2  | 57.5 | 58.4  |
| ≥ 6000          | 40.0                       | 54.2 | 54.5 | 55.1 | 55.2 | 55.2  | 55.4 | 55.8  | 55.8  | 55.8 | 55.9 | 55.9 | 56.1 | 56.2  | 57.5 | 58.4  |
| ≥ 5000          | 40.2                       | 54.4 | 54.7 | 55.2 | 55.4 | 55.4  | 55.6 | 55.9  | 55.9  | 55.9 | 56.1 | 56.1 | 56.2 | 56.3  | 57.7 | 58.6  |
| ≥ 4500          | 40.6                       | 54.7 | 55.1 | 55.6 | 55.8 | 55.8  | 55.9 | 56.3  | 56.3  | 56.3 | 56.5 | 56.5 | 56.6 | 56.8  | 58.0 | 58.9  |
| ≥ 4000          | 40.6                       | 54.7 | 55.1 | 55.6 | 55.8 | 55.8  | 55.9 | 56.3  | 56.3  | 56.3 | 56.5 | 56.5 | 56.6 | 56.8  | 58.0 | 58.9  |
| ≥ 3500          | 41.3                       | 55.4 | 55.8 | 56.3 | 56.5 | 56.5  | 56.6 | 57.0  | 57.0  | 57.0 | 57.2 | 57.2 | 57.3 | 57.5  | 58.7 | 59.6  |
| ≥ 3000          | 41.6                       | 56.3 | 56.6 | 57.2 | 57.3 | 57.3  | 57.5 | 57.9  | 57.9  | 57.9 | 58.0 | 58.0 | 58.2 | 58.4  | 59.6 | 60.5  |
| ≥ 2500          | 43.2                       | 59.1 | 59.4 | 60.0 | 60.1 | 60.1  | 60.3 | 60.7  | 60.7  | 60.7 | 60.8 | 60.8 | 61.0 | 61.2  | 62.4 | 63.3  |
| ≥ 2000          | 43.4                       | 60.3 | 60.7 | 61.4 | 61.5 | 61.5  | 61.7 | 62.1  | 62.1  | 62.1 | 62.2 | 62.2 | 62.4 | 62.6  | 63.8 | 64.7  |
| ≥ 1800          | 43.9                       | 61.5 | 61.9 | 62.6 | 62.8 | 62.8  | 62.9 | 63.3  | 63.3  | 63.3 | 63.5 | 63.5 | 63.6 | 63.8  | 65.0 | 65.9  |
| ≥ 1500          | 44.9                       | 63.5 | 63.8 | 64.5 | 64.9 | 64.9  | 65.0 | 65.4  | 65.4  | 65.4 | 65.6 | 65.6 | 65.7 | 65.9  | 67.1 | 68.0  |
| ≥ 1200          | 46.3                       | 66.1 | 66.4 | 67.1 | 67.5 | 67.5  | 67.7 | 68.0  | 68.0  | 68.0 | 68.2 | 68.2 | 68.4 | 68.5  | 69.8 | 70.6  |
| ≥ 1000          | 46.9                       | 67.0 | 67.3 | 68.0 | 68.4 | 68.4  | 68.5 | 69.1  | 69.1  | 69.1 | 69.2 | 69.2 | 69.4 | 69.6  | 70.8 | 71.7  |
| ≥ 900           | 47.4                       | 68.4 | 68.7 | 69.9 | 70.3 | 70.3  | 70.5 | 71.0  | 71.0  | 71.0 | 71.2 | 71.2 | 71.3 | 71.5  | 72.7 | 73.6  |
| ≥ 800           | 47.7                       | 70.3 | 71.0 | 72.2 | 72.6 | 72.6  | 72.7 | 73.4  | 73.4  | 73.4 | 73.6 | 73.6 | 73.8 | 74.0  | 75.2 | 76.0  |
| ≥ 700           | 47.7                       | 71.0 | 72.6 | 74.1 | 74.8 | 74.8  | 75.0 | 75.7  | 75.7  | 75.7 | 75.9 | 75.9 | 76.0 | 76.2  | 77.4 | 78.3  |
| ≥ 600           | 47.7                       | 71.7 | 73.8 | 76.4 | 77.1 | 77.1  | 77.4 | 78.1  | 78.1  | 78.1 | 78.3 | 78.3 | 78.5 | 78.7  | 79.9 | 80.8  |
| ≥ 500           | 47.9                       | 72.6 | 74.8 | 78.3 | 79.0 | 79.0  | 79.4 | 80.1  | 80.1  | 80.2 | 80.4 | 80.4 | 80.6 | 80.8  | 82.0 | 82.9  |
| ≥ 400           | 47.9                       | 73.1 | 75.7 | 80.6 | 81.8 | 81.8  | 82.2 | 83.0  | 83.0  | 83.4 | 83.7 | 83.7 | 83.9 | 84.1  | 85.3 | 86.2  |
| ≥ 300           | 47.9                       | 73.1 | 75.7 | 80.8 | 82.9 | 82.9  | 83.4 | 84.6  | 84.8  | 85.8 | 86.2 | 86.2 | 86.5 | 86.7  | 88.1 | 89.2  |
| ≥ 200           | 47.9                       | 73.1 | 75.7 | 80.8 | 83.0 | 83.0  | 83.7 | 85.1  | 85.3  | 86.5 | 87.1 | 87.2 | 87.6 | 88.1  | 90.7 | 93.5  |
| ≥ 100           | 47.9                       | 73.1 | 75.7 | 80.8 | 83.0 | 83.0  | 83.7 | 85.1  | 85.3  | 86.7 | 87.2 | 87.4 | 87.8 | 88.3  | 92.5 | 99.5  |
| ≥ 0             | 47.9                       | 73.1 | 75.7 | 80.8 | 83.0 | 83.0  | 83.7 | 85.1  | 85.3  | 86.7 | 87.2 | 87.4 | 87.8 | 88.3  | 92.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

572

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-74, 77-78

UCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |      |       |        |       |        |         |        |         |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|-------|--------|-------|--------|---------|--------|---------|
|                 | ≥ 10                     | ≥ 8  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ 0.5 | ≥ 0.25 | ≥ 0.1 | ≥ 0.05 | ≥ 0.025 | ≥ 0.01 | ≥ 0.005 |
| NO CEILING      | 36.1                     | 50.4 | 51.2 | 51.7 | 53.1 | 53.1  | 53.5 | 53.7  | 53.7 | 54.1  | 54.1   | 54.2  | 54.6   | 55.4    | 56.6   | 57.1    |
| ≥ 20000         | 36.1                     | 50.4 | 51.2 | 51.7 | 53.1 | 53.1  | 53.5 | 53.7  | 53.7 | 54.1  | 54.1   | 54.2  | 54.6   | 55.4    | 56.6   | 57.1    |
| ≥ 18000         | 36.1                     | 50.6 | 51.4 | 51.9 | 53.3 | 53.3  | 53.7 | 53.9  | 53.9 | 54.2  | 54.2   | 54.4  | 54.8   | 55.6    | 56.8   | 57.3    |
| ≥ 16000         | 36.1                     | 51.0 | 51.7 | 52.3 | 53.7 | 53.7  | 54.1 | 54.2  | 54.2 | 54.6  | 54.6   | 54.8  | 55.2   | 56.0    | 57.1   | 57.7    |
| ≥ 14000         | 36.5                     | 51.4 | 52.1 | 52.7 | 54.1 | 54.1  | 54.4 | 54.6  | 54.6 | 55.0  | 55.0   | 55.2  | 55.6   | 56.4    | 57.5   | 58.1    |
| ≥ 12000         | 36.9                     | 51.9 | 52.7 | 53.3 | 54.6 | 54.6  | 55.0 | 55.2  | 55.2 | 55.6  | 55.6   | 55.8  | 56.2   | 56.9    | 58.1   | 58.7    |
| ≥ 10000         | 37.5                     | 52.5 | 53.3 | 53.9 | 55.2 | 55.2  | 55.6 | 55.8  | 55.8 | 56.2  | 56.2   | 56.4  | 56.8   | 57.5    | 58.7   | 59.3    |
| ≥ 9000          | 37.5                     | 52.5 | 53.3 | 53.9 | 55.2 | 55.2  | 55.6 | 55.8  | 55.8 | 56.2  | 56.2   | 56.4  | 56.8   | 57.5    | 58.7   | 59.3    |
| ≥ 8000          | 37.5                     | 52.7 | 53.5 | 54.1 | 55.4 | 55.4  | 55.8 | 56.0  | 56.0 | 56.4  | 56.4   | 56.6  | 56.9   | 57.7    | 58.9   | 59.5    |
| ≥ 7000          | 37.5                     | 52.7 | 53.5 | 54.1 | 55.4 | 55.4  | 55.8 | 56.0  | 56.0 | 56.4  | 56.4   | 56.6  | 56.9   | 57.7    | 58.9   | 59.5    |
| ≥ 6000          | 37.5                     | 52.7 | 53.5 | 54.1 | 55.4 | 55.4  | 55.8 | 56.0  | 56.0 | 56.4  | 56.4   | 56.6  | 56.9   | 57.7    | 58.9   | 59.5    |
| ≥ 5000          | 37.5                     | 52.7 | 53.5 | 54.1 | 55.4 | 55.4  | 55.8 | 56.0  | 56.0 | 56.4  | 56.4   | 56.6  | 56.9   | 57.7    | 58.9   | 59.5    |
| ≥ 4500          | 37.5                     | 52.7 | 53.5 | 54.1 | 55.4 | 55.4  | 55.8 | 56.0  | 56.0 | 56.4  | 56.4   | 56.6  | 56.9   | 57.7    | 58.9   | 59.5    |
| ≥ 4000          | 37.5                     | 52.7 | 53.5 | 54.1 | 55.4 | 55.4  | 55.8 | 56.0  | 56.0 | 56.4  | 56.4   | 56.6  | 56.9   | 57.7    | 58.9   | 59.5    |
| ≥ 3500          | 38.4                     | 53.7 | 54.4 | 55.0 | 56.4 | 56.4  | 56.8 | 56.9  | 56.9 | 57.3  | 57.3   | 57.5  | 57.9   | 58.7    | 59.8   | 60.4    |
| ≥ 3000          | 38.4                     | 54.6 | 55.4 | 56.0 | 57.3 | 57.3  | 57.7 | 57.9  | 57.9 | 58.3  | 58.3   | 58.5  | 58.9   | 59.7    | 60.8   | 61.4    |
| ≥ 2500          | 39.2                     | 56.0 | 56.8 | 57.3 | 58.7 | 58.7  | 59.1 | 59.3  | 59.3 | 59.7  | 59.7   | 59.8  | 60.2   | 61.0    | 62.2   | 62.7    |
| ≥ 2000          | 40.0                     | 57.7 | 58.5 | 59.1 | 60.4 | 60.4  | 60.8 | 61.0  | 61.0 | 61.4  | 61.4   | 61.6  | 62.0   | 62.7    | 63.9   | 64.5    |
| ≥ 1800          | 41.7                     | 59.8 | 60.6 | 61.2 | 62.5 | 62.5  | 62.9 | 63.1  | 63.1 | 63.5  | 63.5   | 63.7  | 64.1   | 64.9    | 66.0   | 66.6    |
| ≥ 1500          | 42.9                     | 61.4 | 62.2 | 62.9 | 64.5 | 64.5  | 64.9 | 65.1  | 65.1 | 65.4  | 65.4   | 65.6  | 66.0   | 66.8    | 68.0   | 68.5    |
| ≥ 1200          | 44.0                     | 65.6 | 66.4 | 67.2 | 68.7 | 68.7  | 69.3 | 69.5  | 69.5 | 69.9  | 69.9   | 70.1  | 70.5   | 71.2    | 72.4   | 73.0    |
| ≥ 1000          | 44.4                     | 66.8 | 67.6 | 68.3 | 69.9 | 69.9  | 70.5 | 70.7  | 70.7 | 71.0  | 71.0   | 71.2  | 71.6   | 72.4    | 73.6   | 74.1    |
| ≥ 900           | 45.0                     | 68.7 | 69.7 | 70.8 | 72.4 | 72.4  | 73.0 | 73.2  | 73.2 | 73.6  | 73.6   | 73.7  | 74.1   | 74.9    | 76.1   | 76.6    |
| ≥ 800           | 45.4                     | 70.5 | 71.4 | 72.6 | 74.1 | 74.1  | 74.7 | 74.9  | 74.9 | 75.3  | 75.3   | 75.5  | 75.9   | 76.6    | 77.8   | 78.4    |
| ≥ 700           | 45.4                     | 71.4 | 72.8 | 73.9 | 75.5 | 75.5  | 76.1 | 76.3  | 76.3 | 76.6  | 76.6   | 76.8  | 77.2   | 78.0    | 79.2   | 79.7    |
| ≥ 600           | 45.4                     | 72.2 | 74.5 | 75.9 | 77.4 | 77.4  | 78.0 | 78.2  | 78.2 | 78.6  | 78.6   | 78.8  | 79.2   | 79.9    | 81.1   | 81.7    |
| ≥ 500           | 45.4                     | 72.4 | 75.5 | 78.0 | 79.7 | 79.7  | 80.3 | 80.7  | 80.9 | 81.3  | 81.5   | 81.7  | 82.0   | 82.8    | 84.0   | 84.6    |
| ≥ 400           | 45.4                     | 72.4 | 75.9 | 79.3 | 81.7 | 81.7  | 82.4 | 82.8  | 83.0 | 83.4  | 83.6   | 83.8  | 84.2   | 84.9    | 86.1   | 86.7    |
| ≥ 300           | 45.4                     | 72.6 | 76.1 | 79.7 | 82.2 | 82.6  | 83.6 | 84.2  | 84.4 | 85.1  | 85.3   | 85.5  | 85.9   | 86.7    | 87.8   | 88.4    |
| ≥ 200           | 45.4                     | 72.6 | 76.1 | 79.9 | 82.4 | 82.8  | 83.8 | 84.7  | 84.9 | 86.1  | 86.5   | 86.7  | 87.1   | 88.0    | 90.2   | 92.7    |
| ≥ 100           | 45.4                     | 72.6 | 76.1 | 79.9 | 82.4 | 82.8  | 83.8 | 84.7  | 84.9 | 86.1  | 86.5   | 86.9  | 87.3   | 88.2    | 91.9   | 99.2    |
| ≥ 0             | 45.4                     | 72.6 | 76.1 | 79.9 | 82.4 | 82.8  | 83.8 | 84.7  | 84.9 | 86.1  | 86.5   | 86.9  | 87.3   | 88.2    | 91.9   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS

518

USAF ETAC

FORM 14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-78

QC I

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |      |       |        |        |       |        |         |        |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|-------|--------|--------|-------|--------|---------|--------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ 0.5 | ≥ 0.25 | ≥ 0.15 | ≥ 0.1 | ≥ 0.05 | ≥ 0.025 | ≥ 0.01 |
| NO CEILING      | 41.9                     | 54.0 | 55.2 | 56.0 | 56.9 | 57.1  | 57.3 | 57.5  | 57.6 | 57.7  | 57.7   | 57.8   | 57.9  | 58.2   | 58.8    | 59.5   |
| ≥ 20000         | 43.2                     | 55.9 | 57.1 | 58.0 | 59.0 | 59.1  | 59.3 | 59.6  | 59.6 | 59.7  | 59.8   | 59.9   | 60.0  | 60.2   | 60.8    | 61.6   |
| ≥ 18000         | 43.3                     | 56.1 | 57.4 | 58.3 | 59.2 | 59.4  | 59.6 | 59.9  | 59.9 | 60.0  | 60.1   | 60.1   | 60.2  | 60.5   | 61.1    | 61.9   |
| ≥ 16000         | 43.6                     | 56.5 | 57.7 | 58.7 | 59.6 | 59.8  | 60.0 | 60.3  | 60.4 | 60.5  | 60.5   | 60.6   | 60.9  | 61.5   | 62.3    | 62.9   |
| ≥ 14000         | 44.0                     | 57.3 | 58.6 | 59.5 | 60.5 | 60.6  | 60.9 | 61.1  | 61.2 | 61.3  | 61.3   | 61.4   | 61.5  | 61.8   | 62.3    | 63.1   |
| ≥ 12000         | 44.4                     | 57.7 | 59.0 | 60.0 | 61.0 | 61.1  | 61.4 | 61.6  | 61.6 | 61.7  | 61.8   | 61.9   | 62.0  | 62.3   | 62.9    | 63.6   |
| ≥ 10000         | 44.9                     | 58.3 | 59.6 | 60.6 | 61.6 | 61.7  | 61.9 | 62.2  | 62.2 | 62.3  | 62.4   | 62.4   | 62.6  | 62.9   | 63.5    | 64.2   |
| ≥ 9000          | 44.9                     | 58.3 | 59.6 | 60.6 | 61.6 | 61.7  | 62.0 | 62.2  | 62.2 | 62.3  | 62.4   | 62.5   | 62.6  | 62.9   | 63.5    | 64.2   |
| ≥ 8000          | 45.2                     | 58.8 | 60.1 | 61.1 | 62.0 | 62.2  | 62.4 | 62.7  | 62.7 | 62.8  | 62.9   | 62.9   | 63.0  | 63.3   | 63.9    | 64.7   |
| ≥ 7000          | 45.3                     | 58.9 | 60.2 | 61.2 | 62.1 | 62.3  | 62.5 | 62.8  | 62.8 | 62.9  | 63.0   | 63.0   | 63.1  | 63.4   | 64.1    | 64.8   |
| ≥ 6000          | 45.7                     | 59.3 | 60.6 | 61.6 | 62.6 | 62.8  | 63.0 | 63.2  | 63.3 | 63.4  | 63.4   | 63.5   | 63.6  | 63.9   | 64.5    | 65.3   |
| ≥ 5000          | 45.7                     | 59.3 | 60.8 | 61.8 | 62.7 | 62.9  | 63.1 | 63.4  | 63.4 | 63.5  | 63.6   | 63.6   | 63.7  | 64.0   | 64.7    | 65.4   |
| ≥ 4500          | 45.8                     | 59.6 | 60.9 | 61.9 | 62.9 | 63.1  | 63.3 | 63.5  | 63.6 | 63.7  | 63.7   | 63.8   | 63.9  | 64.2   | 64.8    | 65.6   |
| ≥ 4000          | 46.1                     | 60.0 | 61.3 | 62.3 | 63.3 | 63.4  | 63.6 | 63.9  | 63.9 | 64.0  | 64.1   | 64.2   | 64.3  | 64.6   | 65.2    | 65.9   |
| ≥ 3500          | 46.6                     | 60.5 | 61.8 | 62.8 | 63.8 | 63.9  | 64.2 | 64.4  | 64.5 | 64.6  | 64.6   | 64.7   | 64.8  | 65.1   | 65.7    | 66.5   |
| ≥ 3000          | 46.9                     | 61.1 | 62.4 | 63.4 | 64.4 | 64.5  | 64.8 | 65.0  | 65.0 | 65.1  | 65.2   | 65.3   | 65.4  | 65.7   | 66.3    | 67.1   |
| ≥ 2500          | 47.9                     | 62.6 | 64.0 | 65.0 | 66.0 | 66.2  | 66.4 | 66.6  | 66.7 | 66.8  | 66.8   | 66.9   | 67.0  | 67.3   | 67.9    | 68.7   |
| ≥ 2000          | 48.5                     | 64.0 | 65.5 | 66.5 | 67.6 | 67.8  | 68.0 | 68.3  | 68.3 | 68.4  | 68.5   | 68.6   | 68.7  | 69.0   | 69.6    | 70.4   |
| ≥ 1800          | 49.1                     | 65.3 | 66.7 | 67.8 | 68.9 | 69.1  | 69.4 | 69.6  | 69.6 | 69.7  | 69.8   | 69.9   | 70.0  | 70.3   | 70.9    | 71.7   |
| ≥ 1500          | 49.9                     | 67.0 | 68.5 | 69.7 | 71.0 | 71.2  | 71.5 | 71.7  | 71.8 | 71.9  | 71.9   | 72.0   | 72.1  | 72.4   | 73.1    | 73.8   |
| ≥ 1200          | 50.8                     | 69.6 | 71.2 | 72.5 | 73.8 | 74.0  | 74.4 | 74.6  | 74.7 | 74.8  | 74.9   | 74.9   | 75.0  | 75.3   | 76.0    | 76.7   |
| ≥ 1000          | 51.1                     | 70.8 | 72.5 | 73.9 | 75.2 | 75.4  | 75.8 | 76.1  | 76.2 | 76.3  | 76.3   | 76.4   | 76.5  | 76.8   | 77.5    | 78.2   |
| ≥ 900           | 51.3                     | 71.8 | 73.7 | 75.3 | 76.8 | 77.0  | 77.4 | 77.7  | 77.8 | 77.9  | 78.0   | 78.0   | 78.1  | 78.4   | 79.1    | 79.8   |
| ≥ 800           | 51.4                     | 72.8 | 74.9 | 76.9 | 78.6 | 78.8  | 79.2 | 79.5  | 79.5 | 79.6  | 79.7   | 79.8   | 79.9  | 80.2   | 80.8    | 81.6   |
| ≥ 700           | 51.5                     | 73.4 | 75.9 | 78.0 | 79.7 | 80.0  | 80.4 | 80.8  | 80.8 | 80.9  | 81.0   | 81.0   | 81.1  | 81.4   | 82.1    | 82.8   |
| ≥ 600           | 51.5                     | 74.1 | 76.9 | 79.5 | 81.6 | 81.9  | 82.5 | 82.9  | 82.9 | 83.0  | 83.1   | 83.2   | 83.3  | 83.6   | 84.2    | 85.0   |
| ≥ 500           | 51.5                     | 74.5 | 77.6 | 80.8 | 83.2 | 83.5  | 84.3 | 84.8  | 84.9 | 85.0  | 85.1   | 85.2   | 85.3  | 85.6   | 86.2    | 87.0   |
| ≥ 400           | 51.5                     | 74.5 | 77.8 | 81.9 | 84.9 | 85.4  | 86.5 | 87.1  | 87.2 | 87.5  | 87.7   | 87.8   | 87.9  | 88.2   | 88.9    | 89.6   |
| ≥ 300           | 51.5                     | 74.6 | 77.8 | 82.1 | 85.3 | 86.0  | 87.4 | 88.5  | 88.7 | 89.3  | 89.5   | 89.7   | 89.9  | 90.3   | 91.3    | 92.1   |
| ≥ 200           | 51.5                     | 74.6 | 77.8 | 82.1 | 85.4 | 86.1  | 87.6 | 88.9  | 89.0 | 89.8  | 90.2   | 90.4   | 91.0  | 91.6   | 93.1    | 95.4   |
| ≥ 100           | 51.5                     | 74.6 | 77.8 | 82.1 | 85.4 | 86.1  | 87.6 | 88.9  | 89.1 | 89.9  | 90.3   | 90.6   | 91.2  | 91.9   | 94.1    | 99.5   |
| ≥ 0             | 51.5                     | 74.6 | 77.8 | 82.1 | 85.4 | 86.1  | 87.6 | 88.9  | 89.1 | 89.9  | 90.3   | 90.6   | 91.2  | 91.9   | 94.1    | 100.0  |

TOTAL NUMBER OF OBSERVATIONS

4932

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |      |       |      |       |      |       |       |       |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ 0   |
| NO CEILING      | 48.9                     | 58.9 | 58.9 | 59.2 | 59.7 | 60.0  | 60.3 | 61.1  | 61.4 | 61.9  | 62.2 | 62.5  | 62.5 | 62.8  | 63.9  | 65.6  |
| ≥ 20000         | 50.0                     | 60.6 | 60.6 | 60.8 | 61.4 | 61.7  | 61.9 | 62.8  | 63.1 | 63.6  | 63.9 | 64.2  | 64.2 | 64.4  | 65.6  | 67.2  |
| ≥ 18000         | 50.0                     | 60.8 | 60.8 | 61.1 | 61.7 | 61.9  | 62.2 | 63.1  | 63.3 | 63.9  | 64.2 | 64.4  | 64.4 | 64.7  | 65.8  | 67.5  |
| ≥ 16000         | 50.3                     | 61.1 | 61.1 | 61.4 | 61.9 | 62.2  | 62.5 | 63.3  | 63.6 | 64.2  | 64.4 | 64.7  | 64.7 | 65.0  | 66.1  | 67.8  |
| ≥ 14000         | 50.8                     | 61.7 | 61.7 | 61.9 | 62.5 | 62.8  | 63.1 | 63.9  | 64.2 | 64.7  | 65.0 | 65.3  | 65.3 | 65.6  | 66.7  | 68.3  |
| ≥ 12000         | 51.1                     | 62.2 | 62.2 | 62.5 | 63.1 | 63.3  | 63.6 | 64.4  | 64.7 | 65.3  | 65.6 | 65.8  | 65.8 | 66.1  | 67.2  | 68.9  |
| ≥ 10000         | 51.9                     | 63.3 | 63.3 | 63.6 | 64.2 | 64.4  | 64.7 | 65.6  | 65.8 | 66.4  | 66.7 | 66.9  | 66.9 | 67.2  | 68.3  | 70.0  |
| ≥ 9000          | 52.2                     | 63.6 | 63.6 | 63.9 | 64.4 | 64.7  | 65.0 | 65.8  | 66.1 | 66.7  | 66.9 | 67.2  | 67.2 | 67.5  | 68.6  | 70.3  |
| ≥ 8000          | 52.8                     | 64.2 | 64.2 | 64.4 | 65.0 | 65.3  | 65.6 | 66.4  | 66.7 | 67.2  | 67.5 | 67.8  | 67.8 | 68.1  | 69.2  | 70.8  |
| ≥ 7000          | 52.8                     | 64.2 | 64.2 | 64.4 | 65.0 | 65.3  | 65.6 | 66.4  | 66.7 | 67.2  | 67.5 | 67.8  | 67.8 | 68.1  | 69.2  | 70.8  |
| ≥ 6000          | 53.1                     | 64.4 | 64.4 | 64.7 | 65.3 | 65.6  | 65.8 | 66.7  | 66.9 | 67.5  | 67.8 | 68.1  | 68.1 | 68.3  | 69.4  | 71.1  |
| ≥ 5000          | 53.3                     | 64.7 | 64.7 | 65.0 | 65.6 | 65.8  | 66.1 | 66.9  | 67.2 | 67.8  | 68.1 | 68.3  | 68.3 | 68.6  | 69.7  | 71.4  |
| ≥ 4500          | 53.3                     | 64.7 | 65.0 | 65.3 | 65.8 | 66.1  | 66.4 | 67.2  | 67.5 | 68.1  | 68.3 | 68.6  | 68.6 | 68.9  | 70.0  | 71.7  |
| ≥ 4000          | 53.6                     | 65.0 | 65.3 | 65.6 | 66.1 | 66.4  | 66.7 | 67.5  | 67.8 | 68.3  | 68.6 | 68.9  | 68.9 | 69.2  | 70.3  | 71.9  |
| ≥ 3500          | 53.9                     | 65.3 | 65.6 | 65.8 | 66.4 | 66.7  | 66.9 | 67.8  | 68.1 | 68.6  | 68.9 | 69.2  | 69.2 | 69.4  | 70.6  | 72.2  |
| ≥ 3000          | 55.3                     | 67.2 | 67.5 | 67.8 | 68.3 | 68.6  | 68.9 | 69.7  | 70.0 | 70.6  | 70.8 | 71.1  | 71.1 | 71.4  | 72.5  | 74.2  |
| ≥ 2500          | 55.6                     | 68.6 | 68.9 | 69.2 | 69.7 | 70.0  | 70.3 | 71.1  | 71.4 | 71.9  | 72.2 | 72.5  | 72.5 | 72.8  | 73.9  | 75.6  |
| ≥ 2000          | 56.4                     | 70.8 | 71.1 | 72.2 | 73.1 | 73.3  | 73.6 | 74.4  | 74.7 | 75.3  | 75.6 | 75.8  | 75.8 | 76.1  | 77.2  | 78.9  |
| ≥ 1800          | 56.4                     | 71.1 | 71.4 | 72.5 | 73.3 | 73.6  | 73.9 | 74.7  | 75.0 | 75.6  | 75.8 | 76.1  | 76.1 | 76.4  | 77.5  | 79.2  |
| ≥ 1500          | 56.4                     | 73.9 | 74.2 | 75.3 | 76.1 | 76.4  | 76.7 | 77.5  | 77.8 | 78.3  | 78.6 | 78.9  | 78.9 | 79.2  | 80.3  | 81.9  |
| ≥ 1200          | 56.9                     | 74.7 | 75.6 | 77.2 | 78.1 | 78.3  | 78.6 | 79.4  | 79.7 | 80.3  | 80.6 | 80.8  | 80.8 | 81.1  | 82.2  | 83.9  |
| ≥ 1000          | 56.9                     | 75.0 | 75.8 | 77.5 | 78.3 | 78.9  | 79.2 | 80.0  | 80.3 | 80.8  | 81.1 | 81.4  | 81.4 | 81.7  | 82.8  | 84.4  |
| ≥ 900           | 57.2                     | 75.6 | 76.4 | 78.1 | 79.2 | 79.7  | 80.0 | 80.8  | 81.1 | 81.7  | 81.9 | 82.2  | 82.2 | 82.5  | 83.6  | 85.3  |
| ≥ 800           | 57.2                     | 75.8 | 76.7 | 78.6 | 79.7 | 80.3  | 80.6 | 81.4  | 81.7 | 82.2  | 82.5 | 82.8  | 82.8 | 83.1  | 84.2  | 85.8  |
| ≥ 700           | 57.2                     | 76.1 | 77.2 | 79.2 | 80.3 | 81.1  | 81.4 | 82.2  | 82.5 | 83.1  | 83.3 | 83.6  | 83.6 | 83.9  | 85.0  | 86.7  |
| ≥ 600           | 57.2                     | 76.1 | 77.5 | 79.4 | 80.6 | 81.4  | 81.7 | 82.5  | 82.8 | 83.3  | 83.6 | 83.9  | 83.9 | 84.2  | 85.3  | 86.9  |
| ≥ 500           | 57.2                     | 76.4 | 78.1 | 80.0 | 81.1 | 81.9  | 82.2 | 83.1  | 83.3 | 83.9  | 84.2 | 84.4  | 84.4 | 84.7  | 85.8  | 87.5  |
| ≥ 400           | 57.5                     | 76.9 | 78.6 | 81.1 | 82.2 | 83.1  | 83.3 | 84.2  | 84.4 | 85.0  | 85.3 | 85.6  | 85.6 | 85.8  | 86.9  | 88.6  |
| ≥ 300           | 57.5                     | 76.9 | 78.6 | 81.1 | 82.2 | 83.1  | 83.9 | 85.0  | 85.6 | 86.7  | 86.9 | 87.2  | 87.2 | 87.5  | 88.9  | 90.6  |
| ≥ 200           | 57.5                     | 76.9 | 78.6 | 81.1 | 82.2 | 83.1  | 83.9 | 85.3  | 85.8 | 86.9  | 87.2 | 87.5  | 87.5 | 87.8  | 89.7  | 93.3  |
| ≥ 100           | 57.5                     | 76.9 | 78.6 | 81.1 | 82.2 | 83.1  | 83.9 | 85.3  | 85.8 | 86.9  | 87.5 | 87.8  | 87.8 | 88.3  | 90.6  | 99.4  |
| ≥ 0             | 57.5                     | 76.9 | 78.6 | 81.1 | 82.2 | 83.1  | 83.9 | 85.3  | 85.8 | 86.9  | 87.5 | 87.8  | 87.8 | 88.3  | 90.6  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

360

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70

NUV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

| CEILING<br>FEET | VISIBILITY (STATUTE MILES) |      |      |      |      |       |      |       |       |      |      |      |      |       |      |       |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|------|-------|------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1.4 | ≥ 1  | ≥ .4 | ≥ .3 | ≥ .2 | ≥ .16 | ≥ .1 | ≥ .05 |
| NO CEILING      | 48.9                       | 55.8 | 56.4 | 56.7 | 57.5 | 57.8  | 58.6 | 58.6  | 58.9  | 58.9 | 59.2 | 59.7 | 60.0 | 60.3  | 62.2 | 65.0  |
| ≥ 20000         | 49.7                       | 56.9 | 57.5 | 57.8 | 58.4 | 58.9  | 59.7 | 59.7  | 60.0  | 60.0 | 60.3 | 60.8 | 61.1 | 61.4  | 63.3 | 66.1  |
| IV 18000        | 50.0                       | 57.2 | 57.8 | 58.1 | 58.9 | 59.2  | 60.0 | 60.0  | 60.3  | 60.3 | 60.6 | 61.1 | 61.4 | 61.7  | 63.6 | 66.4  |
| IV 16000        | 50.0                       | 57.2 | 57.8 | 58.1 | 58.9 | 59.2  | 60.0 | 60.0  | 60.3  | 60.3 | 60.6 | 61.1 | 61.4 | 61.7  | 63.6 | 66.4  |
| IV 14000        | 50.6                       | 57.8 | 58.3 | 58.6 | 59.4 | 59.7  | 60.6 | 60.6  | 60.8  | 60.8 | 61.1 | 61.7 | 61.9 | 62.2  | 64.2 | 66.9  |
| IV 12000        | 51.4                       | 58.6 | 59.2 | 59.4 | 60.3 | 60.6  | 61.4 | 61.4  | 61.7  | 61.7 | 61.9 | 62.5 | 62.8 | 63.1  | 65.0 | 67.8  |
| IV 10000        | 52.2                       | 59.7 | 60.6 | 61.1 | 61.9 | 62.7  | 63.1 | 63.1  | 63.3  | 63.3 | 63.6 | 64.2 | 64.4 | 64.7  | 66.7 | 69.4  |
| IV 9000         | 53.1                       | 60.6 | 61.4 | 61.9 | 62.7 | 63.1  | 63.9 | 63.9  | 64.2  | 64.2 | 64.4 | 65.0 | 65.3 | 65.6  | 67.5 | 70.3  |
| IV 8000         | 53.1                       | 60.8 | 61.7 | 62.2 | 63.1 | 63.3  | 64.2 | 64.2  | 64.4  | 64.4 | 64.7 | 65.3 | 65.6 | 65.8  | 67.8 | 70.6  |
| IV 7000         | 53.3                       | 61.1 | 61.9 | 62.5 | 63.3 | 63.6  | 64.4 | 64.4  | 64.7  | 64.7 | 65.0 | 65.6 | 65.8 | 66.1  | 68.1 | 70.8  |
| IV 6000         | 53.3                       | 61.1 | 61.9 | 62.5 | 63.3 | 63.6  | 64.4 | 64.4  | 64.7  | 64.7 | 65.0 | 65.6 | 65.8 | 66.1  | 68.1 | 70.8  |
| IV 5000         | 53.6                       | 61.4 | 62.2 | 62.8 | 63.6 | 63.9  | 64.7 | 64.7  | 65.0  | 65.0 | 65.3 | 65.8 | 66.1 | 66.4  | 68.3 | 71.1  |
| IV 4500         | 53.9                       | 61.7 | 62.5 | 63.1 | 63.9 | 64.2  | 65.0 | 65.0  | 65.3  | 65.3 | 65.6 | 66.1 | 66.4 | 66.7  | 68.6 | 71.4  |
| IV 4000         | 54.4                       | 62.5 | 63.3 | 63.9 | 64.7 | 65.0  | 65.8 | 65.8  | 66.1  | 66.1 | 66.4 | 66.9 | 67.2 | 67.5  | 69.4 | 72.2  |
| IV 3500         | 54.7                       | 63.9 | 65.0 | 65.6 | 66.4 | 66.7  | 67.5 | 67.5  | 67.8  | 67.8 | 68.1 | 68.6 | 68.9 | 69.2  | 71.1 | 73.9  |
| IV 3000         | 54.7                       | 63.9 | 65.0 | 65.6 | 66.4 | 66.7  | 67.5 | 67.5  | 67.8  | 67.8 | 68.1 | 68.6 | 68.9 | 69.2  | 71.1 | 73.9  |
| IV 2500         | 54.7                       | 65.6 | 66.7 | 67.2 | 68.1 | 68.3  | 69.2 | 69.2  | 69.4  | 69.4 | 69.7 | 70.3 | 70.6 | 70.8  | 72.8 | 75.6  |
| IV 2000         | 55.0                       | 68.6 | 70.0 | 70.6 | 71.7 | 71.9  | 72.8 | 72.8  | 73.1  | 73.1 | 73.3 | 73.9 | 74.2 | 74.4  | 76.4 | 79.2  |
| IV 1800         | 55.0                       | 71.4 | 72.8 | 73.3 | 74.4 | 74.7  | 75.6 | 75.6  | 75.8  | 75.8 | 76.1 | 76.7 | 76.9 | 77.2  | 79.2 | 81.9  |
| IV 1500         | 55.0                       | 73.3 | 75.0 | 75.6 | 76.7 | 76.9  | 77.8 | 77.8  | 78.1  | 78.1 | 78.3 | 78.9 | 79.2 | 79.4  | 81.4 | 84.2  |
| IV 1200         | 55.6                       | 76.4 | 78.1 | 78.6 | 79.7 | 80.0  | 80.8 | 80.8  | 81.1  | 81.1 | 81.4 | 81.9 | 82.2 | 82.5  | 84.4 | 87.2  |
| IV 1000         | 55.6                       | 77.2 | 78.9 | 79.7 | 80.8 | 81.4  | 82.2 | 82.2  | 82.5  | 82.5 | 82.8 | 83.3 | 83.6 | 83.9  | 85.8 | 88.6  |
| IV 900          | 55.6                       | 77.7 | 78.9 | 79.7 | 80.8 | 81.4  | 82.2 | 82.2  | 82.5  | 82.5 | 82.8 | 83.3 | 83.6 | 83.9  | 85.8 | 88.6  |
| IV 800          | 55.6                       | 77.5 | 79.4 | 80.3 | 81.4 | 81.9  | 82.3 | 82.3  | 82.6  | 82.6 | 83.0 | 83.4 | 83.7 | 84.1  | 86.0 | 88.8  |
| IV 700          | 55.6                       | 77.8 | 80.0 | 80.8 | 82.5 | 83.1  | 84.4 | 84.4  | 84.7  | 84.7 | 85.0 | 85.6 | 85.8 | 86.1  | 88.1 | 90.8  |
| IV 600          | 55.6                       | 77.8 | 80.0 | 80.8 | 82.5 | 83.1  | 84.4 | 84.4  | 84.7  | 84.7 | 85.0 | 85.6 | 85.8 | 86.1  | 88.1 | 90.8  |
| IV 500          | 55.6                       | 77.8 | 80.3 | 81.1 | 82.8 | 83.3  | 84.7 | 84.7  | 85.0  | 85.0 | 85.3 | 85.8 | 86.1 | 86.4  | 88.3 | 91.1  |
| IV 400          | 55.6                       | 77.8 | 80.3 | 81.1 | 83.1 | 83.6  | 85.0 | 85.0  | 85.3  | 85.3 | 85.6 | 86.1 | 86.4 | 86.7  | 88.6 | 91.4  |
| IV 300          | 55.6                       | 78.1 | 80.6 | 81.4 | 83.3 | 83.9  | 85.6 | 85.6  | 86.1  | 86.1 | 86.4 | 86.9 | 87.2 | 87.5  | 89.7 | 92.5  |
| IV 200          | 55.6                       | 78.1 | 80.6 | 81.4 | 83.3 | 83.9  | 85.6 | 85.6  | 86.1  | 86.1 | 86.4 | 86.9 | 87.2 | 87.5  | 89.7 | 92.5  |
| IV 100          | 55.6                       | 78.1 | 80.6 | 81.4 | 83.3 | 83.9  | 85.6 | 85.6  | 86.1  | 86.1 | 86.4 | 86.9 | 87.2 | 87.5  | 89.7 | 92.5  |
| IV 0            | 55.6                       | 78.1 | 80.6 | 81.4 | 83.3 | 83.9  | 85.6 | 85.6  | 86.1  | 86.1 | 86.4 | 86.9 | 87.2 | 87.5  | 89.7 | 92.5  |

TOTAL NUMBER OF OBSERVATIONS

360

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0800

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                 | ≥10                        | ≥6   | ≥5   | ≥4   | ≥3   | ≥2   | ≥2   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   |
| NO CEILING      | 54.9                       | 59.0 | 59.5 | 60.0 | 60.6 | 60.6 | 61.3 | 61.5 | 61.5 | 61.6 | 61.8 | 61.8 | 62.2 | 62.5 | 63.4 | 65.2 |
| ≥ 20000         | 59.1                       | 63.4 | 63.9 | 64.5 | 65.0 | 65.0 | 65.7 | 65.9 | 65.9 | 66.1 | 66.3 | 66.3 | 66.6 | 67.0 | 67.9 | 69.9 |
| ≥ 18000         | 59.3                       | 63.8 | 64.3 | 64.8 | 65.4 | 65.4 | 66.1 | 66.3 | 66.3 | 66.4 | 66.6 | 66.6 | 67.0 | 67.3 | 68.2 | 70.0 |
| ≥ 16000         | 59.9                       | 64.8 | 65.4 | 65.9 | 66.4 | 66.4 | 67.1 | 67.3 | 67.3 | 67.5 | 67.7 | 67.7 | 68.0 | 68.4 | 69.3 | 71.0 |
| ≥ 14000         | 60.9                       | 66.1 | 66.6 | 67.1 | 67.7 | 67.7 | 68.4 | 68.6 | 68.6 | 68.7 | 68.9 | 68.9 | 69.4 | 69.8 | 70.9 | 72.6 |
| ≥ 12000         | 61.3                       | 66.4 | 67.0 | 67.5 | 68.2 | 68.2 | 68.9 | 69.1 | 69.1 | 69.3 | 69.4 | 69.4 | 70.0 | 70.3 | 71.4 | 73.2 |
| ≥ 10000         | 61.8                       | 67.1 | 67.7 | 68.2 | 68.9 | 68.9 | 69.6 | 69.8 | 69.8 | 70.0 | 70.2 | 70.3 | 70.9 | 71.2 | 72.3 | 74.1 |
| ≥ 9000          | 62.2                       | 67.5 | 68.0 | 68.6 | 69.3 | 69.3 | 70.0 | 70.2 | 70.2 | 70.3 | 70.5 | 70.7 | 71.2 | 71.6 | 72.6 | 74.4 |
| ≥ 8000          | 62.9                       | 68.2 | 68.9 | 69.4 | 70.2 | 70.2 | 70.9 | 71.0 | 71.0 | 71.2 | 71.4 | 71.6 | 72.1 | 72.5 | 73.5 | 75.3 |
| ≥ 7000          | 63.1                       | 68.6 | 69.3 | 69.8 | 70.5 | 70.5 | 71.2 | 71.4 | 71.4 | 71.6 | 71.8 | 71.9 | 72.3 | 72.8 | 73.9 | 75.7 |
| ≥ 6000          | 63.4                       | 68.9 | 69.6 | 70.2 | 70.9 | 70.9 | 71.6 | 71.8 | 71.8 | 71.9 | 72.1 | 72.3 | 72.8 | 73.2 | 74.2 | 76.0 |
| ≥ 5000          | 64.1                       | 69.6 | 70.3 | 70.9 | 71.6 | 71.6 | 72.3 | 72.5 | 72.5 | 72.6 | 72.8 | 73.0 | 73.5 | 73.9 | 75.0 | 76.7 |
| ≥ 4500          | 64.5                       | 70.0 | 70.7 | 71.2 | 71.9 | 71.9 | 72.6 | 72.8 | 72.8 | 73.0 | 73.2 | 73.4 | 73.9 | 74.2 | 75.3 | 77.1 |
| ≥ 4000          | 65.2                       | 71.0 | 71.9 | 72.5 | 73.2 | 73.2 | 73.9 | 74.1 | 74.1 | 74.2 | 74.4 | 74.6 | 75.1 | 75.5 | 76.6 | 78.3 |
| ≥ 3500          | 65.4                       | 71.2 | 72.1 | 72.6 | 73.4 | 73.4 | 74.1 | 74.2 | 74.2 | 74.4 | 74.6 | 74.8 | 75.3 | 75.7 | 76.7 | 78.5 |
| ≥ 3000          | 65.9                       | 71.8 | 72.6 | 73.2 | 73.9 | 73.9 | 74.6 | 74.8 | 74.8 | 75.0 | 75.1 | 75.3 | 75.8 | 76.2 | 77.3 | 79.0 |
| ≥ 2500          | 66.4                       | 73.2 | 74.1 | 74.6 | 75.3 | 75.3 | 76.0 | 76.2 | 76.2 | 76.4 | 76.6 | 76.7 | 77.3 | 77.6 | 78.7 | 80.5 |
| ≥ 2000          | 67.1                       | 75.3 | 76.6 | 77.1 | 77.8 | 77.8 | 78.5 | 78.7 | 78.7 | 78.9 | 79.0 | 79.2 | 79.8 | 80.1 | 81.2 | 83.1 |
| ≥ 1800          | 67.9                       | 76.6 | 78.0 | 78.5 | 79.2 | 79.2 | 79.9 | 80.1 | 80.1 | 80.3 | 80.5 | 80.6 | 81.2 | 81.5 | 82.6 | 84.5 |
| ≥ 1500          | 68.7                       | 78.2 | 79.6 | 80.1 | 80.8 | 80.8 | 81.5 | 81.7 | 81.7 | 81.9 | 82.1 | 82.2 | 82.8 | 83.1 | 84.2 | 86.1 |
| ≥ 1200          | 68.9                       | 79.6 | 81.0 | 81.7 | 82.4 | 82.4 | 83.3 | 83.5 | 83.5 | 83.7 | 83.8 | 84.0 | 84.5 | 84.9 | 86.0 | 87.9 |
| ≥ 1000          | 68.9                       | 80.3 | 81.7 | 82.4 | 83.3 | 83.3 | 84.2 | 84.4 | 84.4 | 84.5 | 84.7 | 84.9 | 85.4 | 85.8 | 86.9 | 88.8 |
| ≥ 900           | 69.1                       | 81.2 | 82.6 | 83.3 | 84.2 | 84.2 | 85.4 | 85.6 | 85.6 | 85.8 | 86.0 | 86.1 | 86.7 | 87.0 | 88.1 | 90.1 |
| ≥ 800           | 69.1                       | 81.2 | 82.6 | 83.3 | 84.2 | 84.2 | 85.4 | 85.6 | 85.6 | 85.8 | 86.0 | 86.1 | 86.7 | 87.0 | 88.1 | 90.1 |
| ≥ 700           | 69.1                       | 81.2 | 82.6 | 83.3 | 84.2 | 84.2 | 85.4 | 85.6 | 85.6 | 85.8 | 86.0 | 86.1 | 86.7 | 87.0 | 88.1 | 90.1 |
| ≥ 600           | 69.1                       | 81.2 | 82.6 | 83.3 | 84.2 | 84.2 | 85.4 | 85.6 | 85.6 | 85.8 | 86.0 | 86.1 | 86.7 | 87.0 | 88.1 | 90.1 |
| ≥ 500           | 69.3                       | 81.3 | 83.1 | 84.0 | 85.4 | 85.6 | 87.2 | 87.6 | 87.6 | 87.7 | 87.9 | 88.1 | 88.6 | 89.0 | 90.1 | 92.0 |
| ≥ 400           | 69.3                       | 81.7 | 83.5 | 84.4 | 86.0 | 86.3 | 87.9 | 88.3 | 88.3 | 88.5 | 88.6 | 88.8 | 89.3 | 89.7 | 90.8 | 92.7 |
| ≥ 300           | 69.3                       | 81.7 | 83.5 | 84.5 | 86.1 | 86.5 | 88.3 | 89.0 | 89.0 | 89.2 | 89.3 | 89.5 | 90.1 | 90.4 | 91.5 | 93.4 |
| ≥ 200           | 69.3                       | 81.7 | 83.5 | 84.5 | 86.1 | 86.5 | 88.8 | 89.7 | 89.7 | 89.9 | 90.1 | 90.4 | 91.1 | 91.7 | 92.8 | 94.7 |
| ≥ 100           | 69.3                       | 81.7 | 83.5 | 84.5 | 86.1 | 86.5 | 88.8 | 89.7 | 89.7 | 90.1 | 90.2 | 90.6 | 91.3 | 91.8 | 92.9 | 94.8 |
| ≥ 0             | 69.3                       | 81.7 | 83.5 | 84.5 | 86.1 | 86.5 | 88.8 | 89.7 | 89.7 | 90.1 | 90.2 | 90.6 | 91.3 | 91.8 | 92.9 | 94.8 |

TOTAL NUMBER OF OBSERVATIONS

563

2

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/TAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

YEARS

JULY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100

| CEILING<br>FEET | VISIBILITY (STATUTE MILES) |      |      |      |      |       |      |       |      |      |      |       |      |       |      |       |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|------|------|------|-------|------|-------|------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ .5 | ≥ .3 | ≥ .25 | ≥ .2 | ≥ .15 | ≥ .1 | ≥ 0   |
| NO CEILING      | 61.0                       | 67.9 | 69.4 | 70.2 | 70.6 | 70.7  | 71.1 | 71.1  | 71.1 | 71.3 | 71.3 | 71.3  | 71.3 | 71.5  | 71.5 | 71.5  |
| ≥ 20000         | 64.5                       | 71.8 | 73.1 | 74.1 | 74.5 | 74.6  | 75.0 | 75.0  | 75.0 | 75.3 | 75.3 | 75.3  | 75.3 | 75.4  | 75.4 | 75.4  |
| ≥ 18000         | 65.2                       | 72.6 | 73.9 | 74.9 | 75.3 | 75.4  | 75.8 | 75.8  | 75.8 | 76.1 | 76.1 | 76.1  | 76.1 | 76.2  | 76.2 | 76.2  |
| ≥ 16000         | 65.4                       | 72.9 | 74.1 | 75.2 | 75.5 | 75.7  | 76.1 | 76.1  | 76.1 | 76.3 | 76.3 | 76.3  | 76.3 | 76.4  | 76.4 | 76.4  |
| ≥ 14000         | 66.1                       | 73.8 | 75.2 | 76.2 | 76.6 | 76.7  | 77.1 | 77.2  | 77.2 | 77.5 | 77.5 | 77.5  | 77.5 | 77.6  | 77.6 | 77.6  |
| ≥ 12000         | 66.9                       | 75.2 | 76.6 | 77.6 | 78.0 | 78.1  | 78.5 | 78.6  | 78.6 | 78.9 | 78.9 | 78.9  | 78.9 | 79.0  | 79.0 | 79.0  |
| ≥ 10000         | 67.5                       | 75.9 | 77.3 | 78.3 | 78.7 | 78.9  | 79.2 | 79.4  | 79.4 | 79.6 | 79.6 | 79.6  | 79.6 | 79.7  | 79.7 | 79.7  |
| ≥ 9000          | 67.5                       | 75.9 | 77.3 | 78.3 | 78.7 | 78.9  | 79.2 | 79.4  | 79.4 | 79.6 | 79.6 | 79.6  | 79.6 | 79.7  | 79.7 | 79.7  |
| ≥ 8000          | 68.2                       | 76.6 | 78.0 | 79.0 | 79.4 | 79.5  | 79.9 | 80.0  | 80.0 | 80.3 | 80.3 | 80.3  | 80.3 | 80.4  | 80.4 | 80.4  |
| ≥ 7000          | 68.7                       | 77.1 | 78.5 | 79.5 | 79.9 | 80.0  | 80.4 | 80.5  | 80.5 | 80.8 | 80.8 | 80.8  | 80.8 | 80.9  | 80.9 | 80.9  |
| ≥ 6000          | 69.3                       | 77.7 | 79.1 | 80.1 | 80.5 | 80.6  | 81.0 | 81.1  | 81.1 | 81.4 | 81.4 | 81.4  | 81.4 | 81.5  | 81.5 | 81.5  |
| ≥ 5000          | 69.7                       | 78.1 | 79.5 | 80.5 | 80.9 | 81.0  | 81.4 | 81.5  | 81.5 | 81.8 | 81.8 | 81.8  | 81.8 | 81.9  | 81.9 | 81.9  |
| ≥ 4500          | 70.2                       | 78.6 | 80.0 | 81.0 | 81.4 | 81.5  | 81.9 | 82.0  | 82.0 | 82.3 | 82.3 | 82.3  | 82.3 | 82.4  | 82.4 | 82.4  |
| ≥ 4000          | 70.6                       | 79.0 | 80.4 | 81.4 | 81.8 | 81.9  | 82.3 | 82.4  | 82.4 | 82.7 | 82.7 | 82.7  | 82.7 | 82.8  | 82.8 | 82.8  |
| ≥ 3500          | 71.0                       | 79.5 | 80.9 | 81.9 | 82.3 | 82.4  | 82.8 | 82.9  | 82.9 | 83.2 | 83.2 | 83.2  | 83.2 | 83.3  | 83.3 | 83.3  |
| ≥ 3000          | 71.7                       | 80.8 | 82.2 | 83.2 | 83.6 | 83.7  | 84.1 | 84.2  | 84.2 | 84.5 | 84.5 | 84.5  | 84.5 | 84.6  | 84.6 | 84.6  |
| ≥ 2500          | 73.6                       | 82.9 | 84.3 | 85.3 | 86.0 | 86.1  | 86.5 | 86.6  | 86.6 | 86.9 | 86.9 | 86.9  | 86.9 | 87.0  | 87.0 | 87.0  |
| ≥ 2000          | 74.3                       | 83.9 | 85.4 | 86.5 | 87.1 | 87.3  | 87.6 | 87.8  | 87.8 | 88.0 | 88.0 | 88.0  | 88.0 | 88.2  | 88.2 | 88.2  |
| ≥ 1800          | 74.9                       | 85.0 | 86.4 | 87.6 | 88.4 | 88.5  | 88.9 | 89.0  | 89.0 | 89.3 | 89.3 | 89.3  | 89.3 | 89.4  | 89.4 | 89.4  |
| ≥ 1500          | 76.3                       | 86.5 | 88.0 | 89.3 | 90.2 | 90.3  | 90.7 | 90.8  | 90.8 | 91.1 | 91.1 | 91.1  | 91.1 | 91.2  | 91.2 | 91.2  |
| ≥ 1200          | 76.4                       | 86.9 | 88.4 | 90.1 | 91.0 | 91.2  | 91.6 | 91.8  | 91.8 | 92.1 | 92.1 | 92.1  | 92.1 | 92.2  | 92.2 | 92.2  |
| ≥ 1000          | 76.7                       | 87.4 | 88.9 | 90.6 | 91.0 | 91.8  | 92.4 | 92.6  | 92.6 | 92.9 | 92.9 | 92.9  | 92.9 | 93.0  | 93.0 | 93.0  |
| ≥ 900           | 76.8                       | 87.6 | 89.3 | 91.1 | 92.4 | 92.6  | 93.1 | 93.4  | 93.4 | 93.6 | 93.6 | 93.6  | 93.6 | 93.8  | 93.8 | 93.8  |
| ≥ 800           | 76.8                       | 88.0 | 89.7 | 91.8 | 93.1 | 93.4  | 93.9 | 94.1  | 94.1 | 94.4 | 94.4 | 94.4  | 94.4 | 94.5  | 94.5 | 94.5  |
| ≥ 700           | 77.1                       | 88.5 | 90.2 | 92.5 | 93.6 | 94.1  | 94.6 | 94.9  | 94.9 | 95.2 | 95.2 | 95.2  | 95.2 | 95.3  | 95.3 | 95.3  |
| ≥ 600           | 77.1                       | 88.5 | 90.2 | 92.5 | 93.6 | 94.3  | 94.8 | 95.0  | 95.0 | 95.3 | 95.3 | 95.3  | 95.3 | 95.4  | 95.4 | 95.4  |
| ≥ 500           | 77.1                       | 88.7 | 90.4 | 92.9 | 94.4 | 94.9  | 95.5 | 96.1  | 96.1 | 96.3 | 96.3 | 96.3  | 96.3 | 96.4  | 96.4 | 96.4  |
| ≥ 400           | 77.1                       | 88.7 | 90.4 | 93.0 | 94.6 | 95.5  | 96.6 | 97.3  | 97.3 | 97.6 | 97.6 | 97.6  | 97.6 | 97.7  | 97.7 | 97.7  |
| ≥ 300           | 77.1                       | 88.7 | 90.4 | 93.0 | 94.6 | 95.8  | 96.9 | 98.0  | 98.2 | 98.6 | 98.6 | 98.6  | 98.7 | 98.9  | 99.0 | 99.1  |
| ≥ 200           | 77.1                       | 88.7 | 90.4 | 93.0 | 94.6 | 95.8  | 96.9 | 98.0  | 98.2 | 98.6 | 98.7 | 98.9  | 98.9 | 99.0  | 99.1 | 99.5  |
| ≥ 100           | 77.1                       | 88.7 | 90.4 | 93.0 | 94.6 | 95.8  | 96.9 | 98.0  | 98.2 | 98.6 | 98.7 | 98.9  | 99.0 | 99.1  | 99.2 | 100.0 |
| ≥ 0             | 77.1                       | 88.7 | 90.4 | 93.0 | 94.6 | 95.8  | 96.9 | 98.0  | 98.2 | 98.6 | 98.7 | 98.9  | 99.0 | 99.1  | 99.2 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

785

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VAHLENBERG AFB CA

7-70, 73-78

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |       |      |       |        |       |        |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|--------|-------|--------|
|                 | ≥10                      | ≥6   | ≥5   | ≥4   | ≥3   | ≥2.5 | ≥2   | ≥1.5 | ≥1   | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0.005 |
| NO CEILING      | 59.8                     | 64.9 | 68.3 | 69.6 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7  | 69.7 | 69.7  | 69.7   | 69.7  | 69.7   |
| ≥ 20000         | 65.6                     | 72.5 | 75.1 | 76.5 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6  | 76.6 | 76.6  | 76.6   | 76.6  | 76.6   |
| ≥ 18000         | 66.3                     | 74.2 | 75.7 | 77.1 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2  | 77.2 | 77.2  | 77.2   | 77.2  | 77.2   |
| ≥ 16000         | 66.4                     | 74.6 | 76.1 | 77.5 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6  | 77.6 | 77.6  | 77.6   | 77.6  | 77.6   |
| ≥ 14000         | 67.9                     | 76.2 | 77.7 | 79.1 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3  | 79.3 | 79.3  | 79.3   | 79.3  | 79.3   |
| ≥ 12000         | 69.1                     | 77.5 | 79.0 | 80.5 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7  | 80.7 | 80.7  | 80.7   | 80.7  | 80.7   |
| ≥ 10000         | 69.6                     | 78.2 | 79.9 | 81.4 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6  | 81.6 | 81.6  | 81.6   | 81.6  | 81.6   |
| ≥ 9000          | 69.7                     | 78.4 | 80.0 | 81.6 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7  | 81.7 | 81.7  | 81.7   | 81.7  | 81.7   |
| ≥ 8000          | 70.5                     | 79.1 | 80.8 | 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   |
| ≥ 7000          | 71.4                     | 80.0 | 81.7 | 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   |
| ≥ 6000          | 71.8                     | 80.4 | 82.1 | 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   |
| ≥ 5000          | 72.1                     | 80.8 | 82.4 | 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   |
| ≥ 4500          | 72.8                     | 81.4 | 83.1 | 84.5 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7  | 84.7 | 84.7  | 84.7   | 84.7  | 84.7   |
| ≥ 4000          | 73.0                     | 81.8 | 83.5 | 85.0 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1  | 85.1 | 85.1  | 85.1   | 85.1  | 85.1   |
| ≥ 3500          | 73.2                     | 81.9 | 83.6 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2  | 85.2 | 85.2  | 85.2   | 85.2  | 85.2   |
| ≥ 3000          | 74.2                     | 83.0 | 84.6 | 86.1 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3  | 86.3 | 86.3  | 86.3   | 86.3  | 86.3   |
| ≥ 2500          | 76.0                     | 84.1 | 87.3 | 88.8 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9  | 88.9 | 88.9  | 88.9   | 88.9  | 88.9   |
| ≥ 2000          | 77.2                     | 87.0 | 89.2 | 90.8 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0  | 91.0 | 91.0  | 91.0   | 91.0  | 91.0   |
| ≥ 1800          | 78.0                     | 88.2 | 90.3 | 92.0 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1  | 92.1 | 92.1  | 92.1   | 92.1  | 92.1   |
| ≥ 1500          | 78.5                     | 88.8 | 91.0 | 92.6 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7  | 92.7 | 92.7  | 92.7   | 92.7  | 92.7   |
| ≥ 1200          | 78.6                     | 89.2 | 91.3 | 93.1 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4  | 93.4 | 93.4  | 93.4   | 93.4  | 93.4   |
| ≥ 1000          | 78.8                     | 89.9 | 92.1 | 94.0 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5  | 94.5 | 94.5  | 94.5   | 94.5  | 94.5   |
| ≥ 900           | 79.1                     | 90.3 | 92.5 | 94.4 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0  | 95.0 | 95.0  | 95.0   | 95.0  | 95.0   |
| ≥ 800           | 79.4                     | 91.0 | 93.1 | 95.2 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1  | 96.1 | 96.1  | 96.1   | 96.1  | 96.1   |
| ≥ 700           | 79.4                     | 91.3 | 93.5 | 95.5 | 96.6 | 96.7 | 96.7 | 96.9 | 96.9 | 96.9 | 96.9  | 96.9 | 96.9  | 96.9   | 96.9  | 96.9   |
| ≥ 600           | 79.4                     | 91.3 | 93.5 | 95.5 | 96.6 | 96.7 | 96.7 | 96.9 | 96.9 | 96.9 | 96.9  | 96.9 | 96.9  | 96.9   | 96.9  | 96.9   |
| ≥ 500           | 79.4                     | 91.3 | 93.5 | 95.7 | 97.3 | 97.5 | 97.6 | 98.0 | 98.0 | 98.0 | 98.0  | 98.0 | 98.0  | 98.0   | 98.0  | 98.0   |
| ≥ 400           | 79.4                     | 91.3 | 93.5 | 95.9 | 97.7 | 98.0 | 98.2 | 98.6 | 98.6 | 98.7 | 98.7  | 98.7 | 98.7  | 98.7   | 98.7  | 98.7   |
| ≥ 300           | 79.4                     | 91.3 | 93.5 | 95.9 | 97.7 | 98.1 | 98.3 | 99.0 | 99.0 | 99.0 | 99.1  | 99.2 | 99.2  | 99.4   | 99.4  | 99.4   |
| ≥ 200           | 79.4                     | 91.3 | 93.5 | 95.9 | 97.7 | 98.1 | 98.3 | 99.1 | 99.1 | 99.1 | 99.4  | 99.5 | 99.6  | 99.7   | 99.7  | 99.7   |
| ≥ 100           | 79.4                     | 91.3 | 93.6 | 96.1 | 97.8 | 98.2 | 98.5 | 99.2 | 99.2 | 99.2 | 99.6  | 99.7 | 99.9  | 100.0  | 100.0 | 100.0  |
| ≥ 0             | 79.4                     | 91.3 | 93.6 | 96.1 | 97.8 | 98.2 | 98.5 | 99.2 | 99.2 | 99.2 | 99.6  | 99.7 | 99.9  | 100.0  | 100.0 | 100.0  |

TOTAL NUMBER OF OBSERVATIONS

756

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

7-70, 73-74  
YEAR

1966  
YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
TIME

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |      |      |      |      |      |       |       |       |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|------|------|------|------|-------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ .5 | ≥ .3 | ≥ .2 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ .00 |
| NO CEILING      | 55.6                     | 67.7 | 63.1 | 63.5 | 64.0 | 64.0  | 64.3 | 64.4  | 64.4 | 64.7 | 64.8 | 64.8 | 64.8 | 64.8  | 64.8  | 64.9  |
| ≥ 20000         | 59.7                     | 66.9 | 67.7 | 68.4 | 69.1 | 69.0  | 69.4 | 69.4  | 69.4 | 69.7 | 69.8 | 69.8 | 69.8 | 69.8  | 69.8  | 69.9  |
| ≥ 18000         | 59.8                     | 67.1 | 68.0 | 68.6 | 69.3 | 69.3  | 69.5 | 69.7  | 69.7 | 69.9 | 70.0 | 70.0 | 70.0 | 70.0  | 70.0  | 70.2  |
| ≥ 16000         | 60.1                     | 67.3 | 68.2 | 68.9 | 69.7 | 69.7  | 69.9 | 70.2  | 70.2 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4  | 70.4  | 70.6  |
| ≥ 14000         | 61.5                     | 69.1 | 70.2 | 70.9 | 71.7 | 71.7  | 72.0 | 72.2  | 72.2 | 72.5 | 72.6 | 72.6 | 72.6 | 72.6  | 72.6  | 72.7  |
| ≥ 12000         | 63.3                     | 71.4 | 72.5 | 73.1 | 74.0 | 74.0  | 74.3 | 74.5  | 74.5 | 74.8 | 74.9 | 74.9 | 74.9 | 74.9  | 74.9  | 75.0  |
| ≥ 10000         | 63.9                     | 72.6 | 73.6 | 74.3 | 75.3 | 75.3  | 75.5 | 75.8  | 75.8 | 76.1 | 76.2 | 76.2 | 76.2 | 76.2  | 76.2  | 76.3  |
| ≥ 9000          | 64.0                     | 72.7 | 73.8 | 74.4 | 75.4 | 75.4  | 75.7 | 75.9  | 75.9 | 76.2 | 76.3 | 76.3 | 76.3 | 76.3  | 76.3  | 76.4  |
| ≥ 8000          | 64.9                     | 73.6 | 74.6 | 75.3 | 76.3 | 76.3  | 76.6 | 76.8  | 76.8 | 77.1 | 77.2 | 77.2 | 77.2 | 77.2  | 77.2  | 77.3  |
| ≥ 7000          | 65.3                     | 74.0 | 75.0 | 75.7 | 76.7 | 76.7  | 77.0 | 77.2  | 77.2 | 77.5 | 77.6 | 77.6 | 77.6 | 77.6  | 77.6  | 77.7  |
| ≥ 6000          | 66.2                     | 75.3 | 76.3 | 77.0 | 78.0 | 78.0  | 78.2 | 78.5  | 78.5 | 78.7 | 78.9 | 78.9 | 78.9 | 78.9  | 78.9  | 79.0  |
| ≥ 5000          | 66.5                     | 75.7 | 76.7 | 77.3 | 78.4 | 78.4  | 78.6 | 78.9  | 78.9 | 79.1 | 79.3 | 79.3 | 79.3 | 79.3  | 79.3  | 79.4  |
| ≥ 4500          | 67.2                     | 76.4 | 77.3 | 78.1 | 79.1 | 79.1  | 79.4 | 79.6  | 79.6 | 79.9 | 80.0 | 80.0 | 80.0 | 80.0  | 80.0  | 80.2  |
| ≥ 4000          | 67.3                     | 76.8 | 77.8 | 78.5 | 79.5 | 79.5  | 79.8 | 80.0  | 80.0 | 80.3 | 80.4 | 80.4 | 80.4 | 80.4  | 80.4  | 80.5  |
| ≥ 3500          | 68.0                     | 77.7 | 78.7 | 79.4 | 80.4 | 80.4  | 80.7 | 80.9  | 80.9 | 81.2 | 81.3 | 81.3 | 81.3 | 81.3  | 81.3  | 81.4  |
| ≥ 3000          | 68.4                     | 78.4 | 79.4 | 80.0 | 81.0 | 81.0  | 81.3 | 81.6  | 81.6 | 81.8 | 81.9 | 81.9 | 81.9 | 81.9  | 81.9  | 82.1  |
| ≥ 2500          | 69.4                     | 79.8 | 80.9 | 81.6 | 82.7 | 82.7  | 83.0 | 83.2  | 83.2 | 83.5 | 83.6 | 83.6 | 83.6 | 83.6  | 83.6  | 83.7  |
| ≥ 2000          | 69.9                     | 80.9 | 82.1 | 82.7 | 83.9 | 83.9  | 84.1 | 84.4  | 84.4 | 84.6 | 84.8 | 84.8 | 84.8 | 84.8  | 84.8  | 84.9  |
| ≥ 1800          | 70.0                     | 81.3 | 82.6 | 83.2 | 84.4 | 84.4  | 84.6 | 84.9  | 84.9 | 85.1 | 85.3 | 85.3 | 85.3 | 85.3  | 85.3  | 85.4  |
| ≥ 1500          | 70.3                     | 82.2 | 83.5 | 84.1 | 85.4 | 85.4  | 85.7 | 85.9  | 85.9 | 86.2 | 86.3 | 86.3 | 86.3 | 86.3  | 86.3  | 86.4  |
| ≥ 1200          | 70.9                     | 83.1 | 84.4 | 85.0 | 86.4 | 86.4  | 86.7 | 86.9  | 86.9 | 87.2 | 87.3 | 87.3 | 87.3 | 87.3  | 87.3  | 87.5  |
| ≥ 1000          | 71.2                     | 83.9 | 85.3 | 86.2 | 88.0 | 88.0  | 88.3 | 88.6  | 88.6 | 88.9 | 89.0 | 89.0 | 89.0 | 89.0  | 89.0  | 89.1  |
| ≥ 900           | 71.2                     | 84.0 | 85.4 | 86.4 | 88.2 | 88.2  | 88.6 | 88.9  | 88.9 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2  | 89.2  | 89.4  |
| ≥ 800           | 71.2                     | 84.8 | 86.2 | 87.2 | 89.1 | 89.1  | 89.5 | 90.0  | 90.0 | 90.3 | 90.4 | 90.4 | 90.4 | 90.4  | 90.4  | 90.5  |
| ≥ 700           | 71.3                     | 85.1 | 86.6 | 87.6 | 89.5 | 89.5  | 89.9 | 90.5  | 90.5 | 90.8 | 90.9 | 90.9 | 90.9 | 90.9  | 90.9  | 91.0  |
| ≥ 600           | 71.3                     | 85.3 | 86.8 | 88.1 | 90.3 | 90.4  | 90.8 | 91.4  | 91.4 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8  | 91.8  | 91.9  |
| ≥ 500           | 71.3                     | 85.4 | 86.9 | 88.5 | 91.0 | 91.2  | 91.5 | 92.3  | 92.3 | 92.6 | 92.7 | 92.7 | 92.7 | 92.7  | 92.7  | 92.8  |
| ≥ 400           | 71.3                     | 85.7 | 87.2 | 89.1 | 91.7 | 91.9  | 92.0 | 93.9  | 93.9 | 94.2 | 94.4 | 94.4 | 94.4 | 94.4  | 94.4  | 94.5  |
| ≥ 300           | 71.3                     | 85.9 | 87.5 | 89.6 | 92.3 | 92.6  | 92.6 | 94.8  | 94.8 | 95.4 | 95.8 | 95.8 | 96.0 | 96.0  | 96.0  | 96.3  |
| ≥ 200           | 71.3                     | 85.9 | 87.5 | 89.6 | 92.4 | 92.7  | 92.7 | 95.4  | 95.4 | 96.4 | 96.8 | 96.8 | 97.0 | 97.0  | 97.0  | 97.5  |
| ≥ 100           | 71.3                     | 85.9 | 87.5 | 89.6 | 92.4 | 92.7  | 92.7 | 95.4  | 95.4 | 96.4 | 96.8 | 96.8 | 97.0 | 97.0  | 97.0  | 97.5  |
| ≥ 50            | 71.3                     | 85.9 | 87.5 | 89.6 | 92.4 | 92.7  | 92.7 | 95.4  | 95.4 | 96.4 | 96.8 | 96.8 | 97.0 | 97.0  | 97.0  | 97.5  |

TOTAL NUMBER OF OBSERVATIONS

781

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-74

NOV

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

| CEILING<br>FEET | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 | ≥10                        | ≥6   | ≥5   | ≥4   | ≥3   | ≥2   | ≥2   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1    |
| NO CEILING      | 45.7                       | 57.8 | 58.0 | 58.5 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.3 | 59.6 | 59.6 | 59.8 | 59.8 | 60.2  |
| ≥ 20000         | 46.5                       | 59.8 | 60.0 | 60.6 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.3 | 61.7 | 61.7 | 61.9 | 61.9 | 62.2 | 62.6  |
| ≥ 18000         | 46.9                       | 60.2 | 60.4 | 60.9 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.7 | 62.0 | 62.0 | 62.2 | 62.2 | 62.6 | 63.1  |
| ≥ 16000         | 47.2                       | 60.7 | 60.9 | 61.5 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.2 | 62.6 | 62.6 | 62.8 | 62.8 | 63.1 | 63.9  |
| ≥ 14000         | 48.0                       | 61.9 | 62.0 | 62.6 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.3 | 63.7 | 63.7 | 63.9 | 63.9 | 64.3 | 65.0  |
| ≥ 12000         | 48.5                       | 62.5 | 64.1 | 64.6 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.4 | 65.7 | 65.7 | 65.9 | 65.9 | 66.3 | 67.2  |
| ≥ 10000         | 49.1                       | 64.6 | 65.2 | 65.7 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.5 | 66.9 | 66.9 | 67.0 | 67.0 | 67.4 | 68.1  |
| ≥ 9000          | 49.1                       | 64.6 | 65.2 | 65.7 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.5 | 66.9 | 66.9 | 67.0 | 67.0 | 67.4 | 68.1  |
| ≥ 8000          | 49.8                       | 65.4 | 65.9 | 66.5 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.2 | 67.6 | 67.6 | 67.8 | 67.8 | 68.1 | 68.9  |
| ≥ 7000          | 50.0                       | 65.6 | 66.1 | 66.7 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.4 | 67.8 | 67.8 | 68.0 | 68.0 | 68.3 | 69.1  |
| ≥ 6000          | 52.0                       | 68.7 | 69.3 | 69.8 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.6 | 70.9 | 70.9 | 71.1 | 71.1 | 71.5 | 72.2  |
| ≥ 5000          | 53.0                       | 70.4 | 70.9 | 71.5 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.2 | 72.6 | 72.6 | 72.8 | 72.8 | 73.1 | 73.9  |
| ≥ 4500          | 53.5                       | 70.9 | 71.5 | 72.0 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.8 | 73.1 | 73.1 | 73.3 | 73.3 | 73.7 | 74.4  |
| ≥ 4000          | 54.3                       | 71.9 | 72.4 | 73.0 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.7 | 74.1 | 74.1 | 74.3 | 74.3 | 74.6 | 75.4  |
| ≥ 3500          | 54.4                       | 72.0 | 72.6 | 73.1 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.9 | 74.3 | 74.3 | 74.4 | 74.4 | 74.8 | 75.6  |
| ≥ 3000          | 55.2                       | 72.3 | 73.9 | 74.4 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.2 | 75.6 | 75.6 | 75.7 | 75.7 | 76.1 | 76.9  |
| ≥ 2500          | 55.2                       | 74.4 | 75.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.3 | 76.7 | 76.7 | 76.9 | 76.9 | 77.2 | 78.0  |
| ≥ 2000          | 55.4                       | 74.8 | 75.4 | 75.9 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.7 | 77.0 | 77.0 | 77.2 | 77.2 | 77.6 | 78.3  |
| ≥ 1800          | 55.6                       | 75.6 | 76.1 | 76.7 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.4 | 77.8 | 77.8 | 78.0 | 78.0 | 78.3 | 79.1  |
| ≥ 1500          | 55.7                       | 76.7 | 77.2 | 78.0 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.7 | 79.1 | 79.1 | 79.3 | 79.3 | 79.6 | 80.4  |
| ≥ 1200          | 55.9                       | 78.1 | 78.9 | 79.6 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.4 | 80.7 | 80.7 | 80.9 | 80.9 | 81.3 | 82.0  |
| ≥ 1000          | 55.9                       | 78.3 | 79.1 | 79.8 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.6 | 80.9 | 80.9 | 81.1 | 81.1 | 81.5 | 82.2  |
| ≥ 900           | 55.9                       | 78.7 | 79.4 | 80.4 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 81.1 | 81.5 | 81.5 | 81.7 | 81.7 | 82.0 | 82.8  |
| ≥ 800           | 55.9                       | 79.4 | 80.7 | 81.7 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.6 | 83.0 | 83.0 | 83.1 | 83.1 | 83.5 | 84.3  |
| ≥ 700           | 55.9                       | 79.4 | 80.9 | 81.9 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 83.0 | 83.3 | 83.3 | 83.5 | 83.5 | 83.9 | 84.6  |
| ≥ 600           | 56.3                       | 80.0 | 81.5 | 82.4 | 83.1 | 83.5 | 83.5 | 83.5 | 83.5 | 83.7 | 84.1 | 84.1 | 84.3 | 84.3 | 84.6 | 85.4  |
| ≥ 500           | 56.3                       | 80.7 | 82.2 | 83.9 | 85.0 | 85.4 | 85.4 | 85.4 | 85.4 | 85.6 | 86.1 | 86.1 | 86.3 | 86.3 | 86.7 | 87.4  |
| ≥ 400           | 56.3                       | 81.1 | 82.6 | 85.2 | 87.0 | 87.4 | 87.4 | 87.4 | 87.4 | 87.8 | 88.5 | 88.5 | 88.9 | 88.9 | 89.1 | 89.4  |
| ≥ 300           | 56.3                       | 81.1 | 82.6 | 85.4 | 87.4 | 87.8 | 88.0 | 88.5 | 88.5 | 89.3 | 89.6 | 89.6 | 89.8 | 89.8 | 90.4 | 91.5  |
| ≥ 200           | 56.3                       | 81.1 | 82.8 | 85.6 | 88.0 | 88.7 | 89.1 | 90.4 | 90.6 | 91.3 | 91.9 | 91.9 | 92.2 | 92.2 | 93.9 | 96.1  |
| ≥ 100           | 56.3                       | 81.1 | 82.8 | 85.6 | 88.0 | 88.7 | 89.3 | 90.6 | 90.9 | 92.0 | 92.6 | 92.6 | 93.0 | 93.0 | 94.8 | 100.0 |
| ≥ 0             | 56.3                       | 81.1 | 82.8 | 85.6 | 88.0 | 88.7 | 89.3 | 90.6 | 90.9 | 92.0 | 92.6 | 92.6 | 93.0 | 93.0 | 94.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

540

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-74

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2  | ≥ 2  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1   |
| NO CEILING      | 46.1                       | 57.4 | 57.8 | 58.0 | 58.4 | 58.6 | 58.7 | 59.1 | 59.3 | 59.5 | 59.7 | 60.0 | 60.0 | 60.2 | 61.2 | 62.6  |
| ≥ 20000         | 47.0                       | 59.1 | 59.5 | 59.7 | 60.0 | 60.2 | 60.4 | 60.8 | 61.0 | 61.2 | 61.4 | 61.7 | 61.7 | 61.9 | 62.8 | 64.4  |
| ≥ 18000         | 47.8                       | 59.9 | 60.2 | 60.4 | 60.8 | 61.0 | 61.2 | 61.5 | 61.7 | 61.9 | 62.1 | 62.5 | 62.5 | 62.6 | 63.6 | 65.1  |
| ≥ 16000         | 48.1                       | 61.0 | 61.3 | 61.5 | 61.9 | 62.1 | 62.3 | 62.6 | 62.8 | 63.0 | 63.2 | 63.6 | 63.6 | 63.8 | 64.7 | 66.2  |
| ≥ 14000         | 48.1                       | 61.0 | 61.3 | 61.5 | 61.9 | 62.1 | 62.3 | 62.6 | 62.8 | 63.0 | 63.2 | 63.6 | 63.6 | 63.8 | 64.7 | 66.2  |
| ≥ 12000         | 48.5                       | 61.5 | 61.9 | 62.1 | 62.5 | 62.6 | 62.8 | 63.2 | 63.4 | 63.6 | 63.8 | 64.1 | 64.1 | 64.3 | 65.2 | 66.7  |
| ≥ 10000         | 49.1                       | 62.8 | 63.2 | 63.4 | 63.8 | 63.9 | 64.1 | 64.5 | 64.7 | 64.9 | 65.1 | 65.4 | 65.4 | 65.6 | 66.5 | 68.2  |
| ≥ 9000          | 49.8                       | 63.6 | 63.9 | 64.1 | 64.5 | 64.7 | 64.9 | 65.2 | 65.4 | 65.6 | 65.8 | 66.2 | 66.2 | 66.4 | 67.3 | 69.0  |
| ≥ 8000          | 50.2                       | 64.3 | 64.7 | 64.9 | 65.2 | 65.4 | 65.6 | 66.0 | 66.2 | 66.4 | 66.5 | 66.9 | 66.9 | 67.1 | 68.0 | 69.7  |
| ≥ 7000          | 50.6                       | 64.7 | 65.1 | 65.2 | 65.6 | 65.8 | 66.0 | 66.4 | 66.5 | 66.7 | 66.9 | 67.3 | 67.3 | 67.5 | 68.4 | 70.1  |
| ≥ 6000          | 51.1                       | 65.4 | 65.8 | 66.0 | 66.4 | 66.5 | 66.7 | 67.1 | 67.3 | 67.5 | 67.7 | 68.0 | 68.0 | 68.2 | 69.1 | 70.8  |
| ≥ 5000          | 51.3                       | 65.6 | 66.0 | 66.2 | 66.5 | 66.7 | 66.9 | 67.3 | 67.5 | 67.7 | 67.8 | 68.2 | 68.2 | 68.4 | 69.3 | 71.0  |
| ≥ 4500          | 51.7                       | 66.0 | 66.4 | 66.7 | 67.1 | 67.3 | 67.5 | 67.8 | 68.0 | 68.2 | 68.4 | 68.8 | 68.8 | 69.0 | 69.9 | 71.6  |
| ≥ 4000          | 52.8                       | 67.1 | 67.5 | 67.8 | 68.2 | 68.4 | 68.6 | 69.0 | 69.1 | 69.3 | 69.5 | 69.9 | 69.9 | 70.1 | 71.0 | 72.7  |
| ≥ 3500          | 53.2                       | 68.0 | 68.4 | 68.8 | 69.1 | 69.3 | 69.5 | 69.9 | 70.1 | 70.3 | 70.4 | 70.8 | 70.8 | 71.0 | 71.9 | 73.6  |
| ≥ 3000          | 54.1                       | 70.4 | 70.8 | 71.2 | 71.6 | 71.7 | 71.9 | 72.3 | 72.5 | 72.7 | 72.9 | 73.2 | 73.2 | 73.4 | 74.3 | 76.0  |
| ≥ 2500          | 54.5                       | 71.7 | 72.1 | 72.7 | 73.0 | 73.2 | 73.4 | 73.8 | 74.0 | 74.2 | 74.3 | 74.7 | 74.7 | 74.9 | 75.8 | 77.5  |
| ≥ 2000          | 55.2                       | 73.8 | 74.2 | 75.3 | 75.8 | 76.0 | 76.2 | 76.6 | 76.8 | 77.0 | 77.1 | 77.5 | 77.5 | 77.7 | 78.6 | 80.3  |
| ≥ 1800          | 55.4                       | 74.0 | 74.5 | 75.5 | 76.0 | 76.2 | 76.4 | 76.8 | 77.0 | 77.1 | 77.3 | 77.7 | 77.7 | 77.9 | 78.8 | 80.5  |
| ≥ 1500          | 55.4                       | 75.1 | 75.7 | 76.6 | 77.1 | 77.3 | 77.5 | 77.9 | 78.1 | 78.3 | 78.4 | 78.8 | 78.8 | 79.0 | 79.9 | 81.6  |
| ≥ 1200          | 55.9                       | 76.6 | 77.1 | 78.1 | 78.6 | 79.0 | 79.2 | 79.6 | 79.7 | 79.9 | 80.1 | 80.5 | 80.5 | 80.7 | 81.6 | 83.3  |
| ≥ 1000          | 56.1                       | 77.5 | 78.1 | 79.0 | 79.6 | 80.1 | 80.3 | 80.7 | 80.9 | 81.0 | 81.2 | 81.6 | 81.6 | 81.8 | 82.7 | 84.4  |
| ≥ 900           | 56.1                       | 78.3 | 78.8 | 79.7 | 80.3 | 80.9 | 81.0 | 81.4 | 81.6 | 81.8 | 82.0 | 82.3 | 82.3 | 82.5 | 83.5 | 85.1  |
| ≥ 800           | 56.1                       | 78.4 | 79.2 | 80.1 | 80.7 | 81.2 | 81.4 | 81.8 | 82.0 | 82.2 | 82.3 | 82.7 | 82.7 | 83.1 | 84.0 | 85.7  |
| ≥ 700           | 56.1                       | 78.6 | 79.4 | 80.3 | 81.0 | 81.8 | 82.0 | 82.3 | 82.5 | 82.7 | 82.9 | 83.3 | 83.3 | 83.6 | 84.6 | 86.2  |
| ≥ 600           | 56.1                       | 78.8 | 79.6 | 80.7 | 81.6 | 82.7 | 82.9 | 83.3 | 83.5 | 83.6 | 83.8 | 84.2 | 84.2 | 84.6 | 85.5 | 87.2  |
| ≥ 500           | 56.1                       | 79.7 | 80.5 | 82.0 | 83.1 | 84.4 | 84.6 | 84.9 | 85.1 | 85.3 | 85.5 | 85.9 | 85.9 | 86.2 | 87.2 | 88.8  |
| ≥ 400           | 56.3                       | 80.1 | 80.9 | 82.7 | 84.2 | 85.5 | 85.7 | 86.2 | 86.4 | 86.8 | 87.0 | 87.4 | 87.4 | 87.7 | 88.7 | 90.3  |
| ≥ 300           | 56.3                       | 80.1 | 80.9 | 82.7 | 84.4 | 85.7 | 85.9 | 86.6 | 86.8 | 87.2 | 87.5 | 87.9 | 88.1 | 88.5 | 89.4 | 91.6  |
| ≥ 200           | 56.3                       | 80.1 | 80.9 | 83.1 | 84.9 | 86.2 | 86.4 | 87.4 | 87.5 | 87.9 | 88.3 | 88.7 | 88.8 | 89.2 | 90.5 | 94.6  |
| ≥ 100           | 56.3                       | 80.1 | 80.9 | 83.1 | 84.9 | 86.4 | 86.6 | 87.5 | 87.7 | 88.1 | 88.5 | 88.8 | 89.0 | 89.8 | 91.1 | 99.3  |
| ≥ 0             | 56.3                       | 80.1 | 80.9 | 83.1 | 84.9 | 86.4 | 86.6 | 87.5 | 87.7 | 88.1 | 88.5 | 88.8 | 89.0 | 89.8 | 91.1 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

538

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-78

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |      |       |      |       |      |       |       |        |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|-------|--------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ .001 |
| NO CEILING      | 53.9                     | 61.8 | 62.5 | 63.2 | 63.6 | 63.7  | 64.0 | 64.1  | 64.2 | 64.4  | 64.5 | 64.7  | 64.7 | 64.9  | 65.4  | 66.2   |
| ≥ 20000         | 56.9                     | 65.5 | 66.2 | 66.9 | 67.4 | 67.5  | 67.8 | 67.9  | 68.0 | 68.2  | 68.3 | 68.4  | 68.5 | 68.7  | 69.1  | 70.0   |
| ≥ 18000         | 57.4                     | 65.9 | 66.7 | 67.4 | 67.9 | 68.0  | 68.3 | 68.4  | 68.5 | 68.7  | 68.8 | 68.9  | 69.0 | 69.1  | 69.6  | 70.4   |
| ≥ 16000         | 57.6                     | 66.4 | 67.2 | 67.9 | 68.4 | 68.5  | 68.8 | 69.0  | 69.0 | 69.2  | 69.4 | 69.5  | 69.6 | 69.7  | 70.2  | 71.0   |
| ≥ 14000         | 58.5                     | 67.5 | 68.3 | 69.0 | 69.6 | 69.6  | 69.9 | 70.1  | 70.2 | 70.4  | 70.5 | 70.6  | 70.7 | 70.9  | 71.4  | 72.2   |
| ≥ 12000         | 59.4                     | 68.7 | 69.6 | 70.3 | 70.9 | 71.0  | 71.2 | 71.4  | 71.5 | 71.7  | 71.8 | 71.9  | 72.1 | 72.2  | 72.7  | 73.5   |
| ≥ 10000         | 60.0                     | 69.7 | 70.6 | 71.4 | 71.9 | 72.0  | 72.3 | 72.5  | 72.6 | 72.8  | 72.9 | 73.0  | 73.1 | 73.3  | 73.8  | 74.6   |
| ≥ 9000          | 60.3                     | 70.0 | 70.9 | 71.6 | 72.2 | 72.3  | 72.6 | 72.8  | 72.8 | 73.0  | 73.2 | 73.3  | 73.4 | 73.5  | 74.0  | 74.9   |
| ≥ 8000          | 60.9                     | 70.7 | 71.6 | 72.4 | 72.9 | 73.0  | 73.3 | 73.5  | 73.5 | 73.7  | 73.9 | 74.0  | 74.1 | 74.2  | 74.8  | 75.6   |
| ≥ 7000          | 61.3                     | 71.1 | 72.0 | 72.8 | 73.3 | 73.4  | 73.7 | 73.9  | 74.0 | 74.2  | 74.3 | 74.4  | 74.5 | 74.7  | 75.2  | 76.0   |
| ≥ 6000          | 62.0                     | 72.0 | 72.9 | 73.7 | 74.2 | 74.3  | 74.6 | 74.8  | 74.9 | 75.0  | 75.2 | 75.3  | 75.4 | 75.6  | 76.1  | 76.9   |
| ≥ 5000          | 62.4                     | 72.5 | 73.5 | 74.2 | 74.8 | 74.8  | 75.1 | 75.3  | 75.4 | 75.6  | 75.7 | 75.9  | 76.0 | 76.1  | 76.6  | 77.4   |
| ≥ 4500          | 62.9                     | 73.0 | 74.0 | 74.7 | 75.3 | 75.4  | 75.7 | 75.9  | 75.9 | 76.1  | 76.3 | 76.4  | 76.5 | 76.6  | 77.1  | 78.0   |
| ≥ 4000          | 63.4                     | 73.6 | 74.6 | 75.4 | 75.9 | 76.0  | 76.3 | 76.5  | 76.6 | 76.8  | 76.9 | 77.0  | 77.1 | 77.3  | 77.8  | 78.6   |
| ≥ 3500          | 63.7                     | 74.2 | 75.2 | 75.9 | 76.5 | 76.6  | 76.9 | 77.1  | 77.1 | 77.3  | 77.5 | 77.6  | 77.7 | 77.8  | 78.3  | 79.2   |
| ≥ 3000          | 64.4                     | 75.3 | 76.3 | 77.1 | 77.6 | 77.7  | 78.0 | 78.2  | 78.3 | 78.4  | 78.6 | 78.7  | 78.8 | 79.0  | 79.5  | 80.3   |
| ≥ 2500          | 65.3                     | 76.9 | 78.0 | 78.8 | 79.4 | 79.5  | 79.8 | 80.0  | 80.1 | 80.3  | 80.4 | 80.5  | 80.6 | 80.8  | 81.3  | 82.1   |
| ≥ 2000          | 66.0                     | 78.5 | 79.7 | 80.7 | 81.3 | 81.4  | 81.7 | 81.9  | 82.0 | 82.2  | 82.3 | 82.5  | 82.6 | 82.7  | 83.2  | 84.1   |
| ≥ 1800          | 66.4                     | 79.5 | 80.7 | 81.6 | 82.3 | 82.4  | 82.7 | 82.9  | 83.0 | 83.2  | 83.3 | 83.5  | 83.6 | 83.7  | 84.2  | 85.1   |
| ≥ 1500          | 66.9                     | 80.8 | 82.0 | 83.0 | 83.8 | 83.9  | 84.2 | 84.3  | 84.4 | 84.6  | 84.7 | 84.9  | 85.0 | 85.1  | 85.6  | 86.5   |
| ≥ 1200          | 67.2                     | 81.9 | 83.2 | 84.3 | 85.1 | 85.2  | 85.6 | 85.8  | 85.8 | 86.0  | 86.2 | 86.3  | 86.4 | 86.5  | 87.0  | 87.9   |
| ≥ 1000          | 67.3                     | 82.5 | 83.9 | 85.1 | 86.0 | 86.2  | 86.5 | 86.8  | 86.8 | 87.0  | 87.2 | 87.3  | 87.4 | 87.5  | 88.0  | 88.9   |
| ≥ 900           | 67.5                     | 82.9 | 84.3 | 85.6 | 86.6 | 86.8  | 87.2 | 87.4  | 87.4 | 87.6  | 87.8 | 87.9  | 88.0 | 88.1  | 88.6  | 89.5   |
| ≥ 800           | 67.5                     | 83.3 | 84.8 | 86.2 | 87.3 | 87.5  | 88.0 | 88.2  | 88.3 | 88.5  | 88.6 | 88.8  | 88.9 | 89.0  | 89.5  | 90.4   |
| ≥ 700           | 67.6                     | 83.6 | 85.2 | 86.6 | 87.8 | 88.1  | 88.6 | 88.9  | 89.0 | 89.2  | 89.3 | 89.4  | 89.5 | 89.7  | 90.2  | 91.1   |
| ≥ 600           | 67.6                     | 83.7 | 85.4 | 86.8 | 88.1 | 88.5  | 89.0 | 89.4  | 89.4 | 89.6  | 89.8 | 89.9  | 90.0 | 90.2  | 90.7  | 91.5   |
| ≥ 500           | 67.7                     | 84.0 | 85.7 | 87.4 | 89.0 | 89.4  | 90.0 | 90.4  | 90.5 | 90.7  | 90.8 | 90.9  | 91.0 | 91.2  | 91.7  | 92.6   |
| ≥ 400           | 67.7                     | 84.2 | 85.9 | 87.9 | 89.7 | 90.3  | 91.0 | 91.6  | 91.6 | 92.0  | 92.1 | 92.2  | 92.3 | 92.5  | 93.0  | 93.9   |
| ≥ 300           | 67.7                     | 84.3 | 86.0 | 88.1 | 89.9 | 90.6  | 91.4 | 92.2  | 92.4 | 92.8  | 93.0 | 93.2  | 93.4 | 93.5  | 94.1  | 95.2   |
| ≥ 200           | 67.7                     | 84.3 | 86.0 | 88.1 | 90.1 | 90.8  | 91.7 | 92.8  | 93.0 | 93.5  | 93.8 | 94.0  | 94.3 | 94.4  | 95.5  | 97.5   |
| ≥ 100           | 67.7                     | 84.3 | 86.0 | 88.2 | 90.1 | 90.8  | 91.8 | 92.9  | 93.1 | 93.7  | 94.0 | 94.2  | 94.5 | 94.8  | 95.9  | 99.8   |
| ≥ 0             | 67.7                     | 84.3 | 86.0 | 88.2 | 90.1 | 90.8  | 91.8 | 92.9  | 93.1 | 93.7  | 94.0 | 94.2  | 94.5 | 94.8  | 95.9  | 100.0  |

TOTAL NUMBER OF OBSERVATIONS

4713

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

STATION NAME

67-70-77

YEARS

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |       |      |       |      |      |      |      |      |       |       |       |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|------|------|------|------|------|-------|-------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ .5 | ≥ .3 | ≥ .2 | ≥ .1 | ≥ .05 | ≥ .03 | ≥ .01 |
| NO. CEILING     | 53.2                       | 66.4 | 66.4 | 66.4 | 68.3 | 68.8  | 69.1 | 69.1  | 69.1 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3  | 69.3  | 70.1  |
| ≥ 20000         | 54.4                       | 68.7 | 68.0 | 68.5 | 69.5 | 70.4  | 70.7 | 70.7  | 70.7 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9  | 70.9  | 71.2  |
| ≥ 18000         | 54.9                       | 69.1 | 69.1 | 69.6 | 70.9 | 71.5  | 71.7 | 71.7  | 71.7 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0  | 72.3  | 72.8  |
| ≥ 16000         | 55.5                       | 69.6 | 69.6 | 70.1 | 71.5 | 72.0  | 72.2 | 72.3  | 72.3 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5  | 72.8  | 73.3  |
| ≥ 14000         | 56.3                       | 70.7 | 70.7 | 71.2 | 72.5 | 73.1  | 73.3 | 73.3  | 73.6 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9  | 74.1  | 74.7  |
| ≥ 12000         | 57.3                       | 71.7 | 71.7 | 72.3 | 73.6 | 74.1  | 74.4 | 74.4  | 74.7 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9  | 75.2  | 75.7  |
| ≥ 10000         | 57.3                       | 72.5 | 72.5 | 73.1 | 74.4 | 74.9  | 75.2 | 75.2  | 75.5 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7  | 76.0  | 76.5  |
| ≥ 9000          | 57.6                       | 72.8 | 72.8 | 73.3 | 74.7 | 75.2  | 75.5 | 75.5  | 75.7 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0  | 76.3  | 76.8  |
| ≥ 8000          | 57.9                       | 73.1 | 73.1 | 73.6 | 74.9 | 75.5  | 75.7 | 75.7  | 76.0 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3  | 76.5  | 77.1  |
| ≥ 7000          | 58.4                       | 73.6 | 73.6 | 74.1 | 75.5 | 76.0  | 76.3 | 76.3  | 76.5 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8  | 77.1  | 77.6  |
| ≥ 6000          | 58.4                       | 74.4 | 74.4 | 74.9 | 76.3 | 76.8  | 77.1 | 77.1  | 77.3 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6  | 77.9  | 78.4  |
| ≥ 5000          | 58.7                       | 75.2 | 75.2 | 75.7 | 77.1 | 77.6  | 77.9 | 77.9  | 78.1 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4  | 78.7  | 79.2  |
| ≥ 4500          | 58.7                       | 75.5 | 75.5 | 76.0 | 77.3 | 77.9  | 78.1 | 78.1  | 78.4 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7  | 78.9  | 79.5  |
| ≥ 4000          | 59.2                       | 76.3 | 76.3 | 76.8 | 78.1 | 78.7  | 78.9 | 78.9  | 79.2 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5  | 79.7  | 80.2  |
| ≥ 3500          | 59.7                       | 76.8 | 76.8 | 77.3 | 78.7 | 79.2  | 79.5 | 79.5  | 79.7 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0  | 80.3  | 80.8  |
| ≥ 3000          | 60.8                       | 79.5 | 79.5 | 80.0 | 81.3 | 81.9  | 82.1 | 82.1  | 82.4 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7  | 82.9  | 83.5  |
| ≥ 2500          | 61.9                       | 81.6 | 81.6 | 82.1 | 83.5 | 84.0  | 84.3 | 84.3  | 84.5 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8  | 85.1  | 85.6  |
| ≥ 2000          | 61.9                       | 83.7 | 84.0 | 84.8 | 86.1 | 86.7  | 86.9 | 86.9  | 87.2 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5  | 87.7  | 88.3  |
| ≥ 1800          | 62.1                       | 84.5 | 84.8 | 85.6 | 86.9 | 87.5  | 87.7 | 87.7  | 88.0 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3  | 88.5  | 89.1  |
| ≥ 1500          | 62.1                       | 85.6 | 85.9 | 86.7 | 88.0 | 88.5  | 88.8 | 88.8  | 89.1 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3  | 89.6  | 90.1  |
| ≥ 1200          | 62.4                       | 87.5 | 87.7 | 88.5 | 89.9 | 90.4  | 90.7 | 90.7  | 90.9 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2  | 91.5  | 92.0  |
| ≥ 1000          | 62.7                       | 88.3 | 88.8 | 89.6 | 90.9 | 91.5  | 91.7 | 91.7  | 92.0 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3  | 92.5  | 93.1  |
| ≥ 900           | 62.7                       | 88.3 | 88.8 | 89.6 | 90.9 | 91.5  | 91.7 | 91.7  | 92.0 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3  | 92.5  | 93.1  |
| ≥ 800           | 62.7                       | 88.3 | 88.8 | 90.4 | 91.7 | 92.3  | 92.5 | 92.5  | 92.8 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1  | 93.3  | 93.9  |
| ≥ 700           | 62.7                       | 88.3 | 88.8 | 90.4 | 91.7 | 92.3  | 92.5 | 92.5  | 92.8 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1  | 93.3  | 93.9  |
| ≥ 600           | 62.7                       | 88.3 | 89.1 | 90.9 | 92.5 | 93.1  | 93.3 | 93.3  | 93.6 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9  | 94.4  | 94.9  |
| ≥ 500           | 62.7                       | 88.5 | 89.3 | 91.2 | 92.8 | 93.3  | 93.6 | 93.6  | 93.9 | 94.4 | 94.4 | 94.4 | 94.4 | 94.7  | 95.2  | 96.0  |
| ≥ 400           | 62.7                       | 88.5 | 89.3 | 91.5 | 93.3 | 93.9  | 94.1 | 94.1  | 94.7 | 95.2 | 95.2 | 95.2 | 95.2 | 95.5  | 96.0  | 96.8  |
| ≥ 300           | 62.7                       | 88.8 | 89.6 | 92.0 | 93.9 | 94.7  | 94.9 | 94.9  | 95.5 | 96.0 | 96.0 | 96.0 | 96.0 | 96.3  | 96.8  | 97.9  |
| ≥ 200           | 62.7                       | 88.8 | 89.6 | 92.0 | 94.1 | 94.9  | 95.2 | 95.5  | 96.0 | 96.5 | 96.5 | 96.5 | 96.5 | 96.8  | 97.0  | 99.2  |
| ≥ 100           | 62.7                       | 88.8 | 89.6 | 92.0 | 94.1 | 94.9  | 95.2 | 95.5  | 96.0 | 96.8 | 96.8 | 96.8 | 96.8 | 97.1  | 97.1  | 99.7  |
| ≥ 0             | 62.7                       | 88.8 | 89.6 | 92.0 | 94.1 | 94.9  | 95.2 | 95.5  | 96.0 | 96.8 | 96.8 | 96.8 | 96.8 | 97.1  | 97.1  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

375

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

07-70,77

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |       |      |       |        |       |        |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|--------|-------|--------|
|                 | ≥10                      | ≥6   | ≥5   | ≥4   | ≥3   | ≥2.5 | ≥2   | ≥1.5 | ≥1   | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0.005 |
| NO CEILING      | 50.9                     | 65.9 | 66.4 | 66.7 | 66.9 | 66.9 | 66.9 | 68.0 | 68.0 | 68.0 | 68.0  | 68.0 | 68.0  | 68.0   | 68.3  | 69.1   |
| ≥ 20000         | 51.7                     | 67.2 | 67.7 | 68.0 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3  | 68.3 | 68.3  | 68.3   | 68.3  | 69.1   |
| ≥ 18000         | 52.3                     | 67.7 | 68.3 | 68.5 | 68.8 | 68.8 | 68.8 | 69.9 | 69.9 | 69.9 | 69.9  | 69.9 | 69.9  | 69.9   | 70.1  | 70.9   |
| ≥ 16000         | 53.1                     | 68.5 | 69.1 | 69.3 | 69.6 | 69.6 | 69.6 | 70.7 | 70.7 | 70.7 | 70.7  | 70.7 | 70.7  | 70.7   | 70.9  | 71.7   |
| ≥ 14000         | 53.6                     | 69.1 | 69.6 | 69.9 | 70.1 | 70.1 | 70.1 | 71.2 | 71.2 | 71.2 | 71.2  | 71.2 | 71.2  | 71.2   | 71.5  | 72.3   |
| ≥ 12000         | 54.4                     | 69.9 | 70.4 | 70.7 | 70.9 | 70.9 | 70.9 | 72.0 | 72.0 | 72.0 | 72.0  | 72.0 | 72.0  | 72.0   | 72.3  | 73.1   |
| ≥ 10000         | 55.5                     | 71.2 | 71.7 | 72.0 | 72.3 | 72.3 | 72.3 | 73.3 | 73.3 | 73.3 | 73.3  | 73.3 | 73.3  | 73.3   | 73.6  | 74.4   |
| ≥ 9000          | 55.5                     | 71.2 | 71.7 | 72.0 | 72.3 | 72.3 | 72.3 | 73.3 | 73.3 | 73.3 | 73.3  | 73.3 | 73.3  | 73.3   | 73.6  | 74.4   |
| ≥ 8000          | 56.0                     | 72.5 | 73.1 | 73.3 | 73.6 | 73.6 | 73.6 | 74.7 | 74.7 | 74.7 | 74.7  | 74.7 | 74.7  | 74.7   | 74.9  | 75.7   |
| ≥ 7000          | 56.0                     | 72.8 | 73.6 | 73.9 | 74.1 | 74.1 | 74.1 | 75.2 | 75.2 | 75.2 | 75.2  | 75.2 | 75.2  | 75.2   | 75.5  | 76.3   |
| ≥ 6000          | 56.0                     | 72.8 | 73.6 | 73.9 | 74.1 | 74.1 | 74.1 | 75.2 | 75.2 | 75.2 | 75.2  | 75.2 | 75.2  | 75.2   | 75.5  | 76.3   |
| ≥ 5000          | 56.0                     | 74.1 | 74.9 | 75.2 | 75.5 | 75.5 | 75.5 | 76.5 | 76.5 | 76.5 | 76.5  | 76.5 | 76.5  | 76.5   | 76.8  | 77.6   |
| ≥ 4500          | 56.0                     | 74.9 | 75.7 | 76.0 | 76.3 | 76.3 | 76.3 | 77.3 | 77.3 | 77.3 | 77.3  | 77.3 | 77.3  | 77.3   | 77.6  | 78.4   |
| ≥ 4000          | 56.0                     | 76.0 | 76.8 | 77.1 | 77.3 | 77.3 | 77.3 | 78.4 | 78.4 | 78.4 | 78.4  | 78.4 | 78.4  | 78.4   | 78.7  | 79.5   |
| ≥ 3500          | 56.5                     | 76.8 | 77.6 | 77.9 | 78.1 | 78.1 | 78.1 | 79.2 | 79.2 | 79.2 | 79.2  | 79.2 | 79.2  | 79.2   | 79.5  | 80.3   |
| ≥ 3000          | 58.4                     | 81.3 | 82.1 | 82.4 | 82.7 | 82.7 | 82.7 | 83.7 | 83.7 | 83.7 | 83.7  | 83.7 | 83.7  | 83.7   | 84.0  | 84.8   |
| ≥ 2500          | 58.7                     | 82.9 | 83.7 | 84.0 | 84.3 | 84.3 | 84.3 | 85.3 | 85.3 | 85.3 | 85.3  | 85.3 | 85.3  | 85.3   | 85.6  | 86.4   |
| ≥ 2000          | 58.7                     | 84.8 | 85.6 | 85.9 | 86.1 | 86.1 | 86.1 | 87.2 | 87.2 | 87.2 | 87.2  | 87.2 | 87.2  | 87.2   | 87.5  | 88.3   |
| ≥ 1800          | 58.9                     | 85.3 | 86.1 | 86.7 | 86.9 | 86.9 | 86.9 | 88.0 | 88.0 | 88.0 | 88.0  | 88.0 | 88.0  | 88.0   | 88.3  | 89.1   |
| ≥ 1500          | 59.5                     | 86.9 | 88.0 | 88.8 | 89.1 | 89.1 | 89.1 | 90.1 | 90.1 | 90.1 | 90.1  | 90.1 | 90.1  | 90.1   | 90.4  | 91.2   |
| ≥ 1200          | 59.5                     | 87.5 | 88.5 | 89.6 | 89.9 | 89.9 | 89.9 | 90.9 | 90.9 | 90.9 | 90.9  | 90.9 | 90.9  | 90.9   | 91.2  | 92.0   |
| ≥ 1000          | 60.5                     | 89.3 | 90.4 | 92.0 | 92.3 | 92.3 | 92.3 | 93.6 | 93.6 | 93.6 | 93.6  | 93.6 | 93.6  | 93.6   | 93.9  | 94.7   |
| ≥ 900           | 60.8                     | 89.9 | 90.9 | 92.5 | 92.8 | 92.8 | 92.8 | 93.1 | 94.1 | 94.1 | 94.1  | 94.1 | 94.1  | 94.1   | 94.4  | 95.2   |
| ≥ 800           | 60.8                     | 89.9 | 90.9 | 92.5 | 92.8 | 92.8 | 92.8 | 93.1 | 94.1 | 94.1 | 94.1  | 94.1 | 94.1  | 94.1   | 94.4  | 95.2   |
| ≥ 700           | 60.8                     | 89.9 | 90.9 | 92.5 | 92.8 | 92.8 | 92.8 | 93.1 | 94.1 | 94.1 | 94.1  | 94.1 | 94.1  | 94.1   | 94.4  | 95.2   |
| ≥ 600           | 60.8                     | 89.9 | 91.2 | 92.8 | 93.1 | 93.1 | 93.1 | 93.3 | 94.4 | 94.4 | 94.4  | 94.4 | 94.4  | 94.4   | 94.7  | 95.5   |
| ≥ 500           | 60.8                     | 89.9 | 91.2 | 92.8 | 93.1 | 93.1 | 93.1 | 93.3 | 94.4 | 94.4 | 94.4  | 94.4 | 94.4  | 94.4   | 94.7  | 95.5   |
| ≥ 400           | 60.8                     | 90.1 | 91.7 | 93.3 | 94.1 | 94.1 | 94.1 | 94.7 | 95.7 | 95.7 | 95.7  | 95.7 | 95.7  | 95.7   | 96.0  | 96.8   |
| ≥ 300           | 60.8                     | 90.1 | 91.7 | 93.3 | 94.4 | 94.4 | 94.4 | 94.9 | 96.0 | 96.0 | 96.0  | 96.0 | 96.0  | 96.0   | 96.3  | 97.1   |
| ≥ 200           | 60.8                     | 90.1 | 91.7 | 93.3 | 94.4 | 94.4 | 94.4 | 94.9 | 96.0 | 96.0 | 96.0  | 96.0 | 96.0  | 96.0   | 96.3  | 97.1   |
| ≥ 100           | 60.8                     | 90.1 | 91.7 | 93.3 | 94.4 | 94.4 | 94.4 | 94.9 | 96.0 | 96.0 | 96.0  | 96.0 | 96.0  | 96.0   | 96.3  | 97.1   |
| ≥ 0             | 60.8                     | 90.1 | 91.7 | 93.3 | 94.4 | 94.4 | 94.4 | 94.9 | 96.0 | 96.0 | 96.0  | 96.0 | 96.0  | 96.0   | 96.3  | 97.1   |

TOTAL NUMBER OF OBSERVATIONS

375

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0400-0800

| CEILING<br>FEET | VISIBILITY (STATUTE MILES) |      |      |      |      |       |      |       |       |       |        |        |        |        |         |        |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|-------|-------|--------|--------|--------|--------|---------|--------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1.0 | ≥ 0.5 | ≥ 0.25 | ≥ 0.15 | ≥ 0.10 | ≥ 0.05 | ≥ 0.025 | ≥ 0.01 |
| NO CEILING      | 60.1                       | 66.6 | 66.6 | 67.3 | 67.5 | 67.6  | 67.8 | 68.0  | 68.0  | 68.2  | 68.3   | 68.3   | 68.3   | 68.3   | 68.3    | 68.8   |
| ≥ 20000         | 62.7                       | 69.5 | 69.9 | 70.7 | 70.9 | 71.2  | 71.4 | 71.6  | 71.6  | 71.7  | 71.9   | 71.9   | 71.9   | 71.9   | 71.9    | 72.4   |
| ≥ 18000         | 62.8                       | 70.0 | 70.4 | 71.2 | 71.4 | 71.7  | 71.9 | 72.1  | 72.1  | 72.3  | 72.4   | 72.4   | 72.4   | 72.4   | 72.4    | 72.9   |
| ≥ 16000         | 63.4                       | 70.5 | 71.1 | 71.9 | 72.1 | 72.4  | 72.6 | 72.8  | 72.8  | 72.9  | 73.1   | 73.1   | 73.1   | 73.1   | 73.1    | 73.6   |
| ≥ 14000         | 63.5                       | 70.7 | 71.2 | 72.1 | 72.3 | 72.6  | 72.8 | 72.9  | 72.9  | 73.1  | 73.3   | 73.3   | 73.3   | 73.3   | 73.3    | 73.8   |
| ≥ 12000         | 65.2                       | 72.4 | 72.9 | 74.0 | 74.1 | 74.5  | 74.7 | 74.8  | 74.8  | 75.0  | 75.2   | 75.2   | 75.2   | 75.2   | 75.2    | 75.7   |
| ≥ 10000         | 65.9                       | 73.1 | 73.6 | 74.7 | 74.8 | 75.2  | 75.3 | 75.5  | 75.5  | 75.7  | 75.9   | 75.9   | 75.9   | 75.9   | 75.9    | 76.4   |
| ≥ 9000          | 65.9                       | 73.1 | 73.6 | 74.7 | 74.8 | 75.2  | 75.3 | 75.5  | 75.5  | 75.7  | 75.9   | 75.9   | 75.9   | 75.9   | 75.9    | 76.4   |
| ≥ 8000          | 66.3                       | 73.5 | 74.0 | 75.0 | 75.2 | 75.5  | 75.7 | 75.9  | 75.9  | 76.0  | 76.2   | 76.2   | 76.2   | 76.2   | 76.2    | 76.7   |
| ≥ 7000          | 67.3                       | 74.5 | 75.0 | 76.0 | 76.2 | 76.5  | 76.7 | 76.9  | 76.9  | 77.1  | 77.2   | 77.2   | 77.2   | 77.2   | 77.2    | 77.7   |
| ≥ 6000          | 67.6                       | 75.3 | 76.0 | 77.1 | 77.2 | 77.6  | 77.7 | 77.9  | 77.9  | 78.1  | 78.3   | 78.3   | 78.3   | 78.3   | 78.3    | 78.8   |
| ≥ 5000          | 68.2                       | 76.2 | 76.9 | 77.9 | 78.1 | 78.4  | 78.6 | 78.8  | 78.8  | 78.9  | 79.1   | 79.1   | 79.1   | 79.1   | 79.1    | 79.6   |
| ≥ 4500          | 68.5                       | 77.1 | 77.7 | 78.8 | 78.9 | 79.3  | 79.5 | 79.6  | 79.6  | 79.8  | 80.0   | 80.0   | 80.0   | 80.0   | 80.0    | 80.5   |
| ≥ 4000          | 68.8                       | 77.6 | 78.3 | 79.3 | 79.5 | 79.8  | 80.0 | 80.2  | 80.2  | 80.5  | 80.5   | 80.5   | 80.5   | 80.5   | 80.5    | 81.0   |
| ≥ 3500          | 69.5                       | 78.3 | 78.9 | 80.0 | 80.1 | 80.5  | 80.7 | 80.8  | 80.8  | 81.0  | 81.2   | 81.2   | 81.2   | 81.2   | 81.2    | 81.7   |
| ≥ 3000          | 71.6                       | 81.3 | 82.0 | 83.0 | 83.2 | 83.6  | 83.7 | 83.9  | 83.9  | 84.1  | 84.2   | 84.2   | 84.2   | 84.2   | 84.2    | 84.8   |
| ≥ 2500          | 73.5                       | 83.9 | 84.6 | 85.8 | 86.0 | 86.3  | 86.5 | 86.6  | 86.6  | 86.8  | 87.0   | 87.0   | 87.0   | 87.0   | 87.0    | 87.5   |
| ≥ 2000          | 73.6                       | 84.9 | 85.6 | 87.0 | 87.3 | 87.7  | 87.8 | 88.2  | 88.2  | 88.4  | 88.5   | 88.5   | 88.5   | 88.5   | 88.5    | 89.0   |
| ≥ 1800          | 73.6                       | 84.9 | 85.6 | 87.2 | 87.5 | 87.8  | 88.0 | 88.4  | 88.4  | 88.5  | 88.7   | 88.7   | 88.7   | 88.7   | 88.7    | 89.2   |
| ≥ 1500          | 74.0                       | 86.5 | 87.2 | 88.7 | 89.2 | 89.7  | 89.9 | 90.2  | 90.2  | 90.4  | 90.6   | 90.6   | 90.6   | 90.6   | 90.6    | 91.1   |
| ≥ 1200          | 74.1                       | 87.2 | 87.8 | 89.4 | 89.9 | 90.4  | 90.6 | 90.9  | 90.9  | 91.1  | 91.3   | 91.3   | 91.3   | 91.3   | 91.3    | 91.8   |
| ≥ 1000          | 74.5                       | 87.8 | 88.5 | 90.4 | 91.1 | 91.6  | 91.8 | 92.1  | 92.1  | 92.3  | 92.5   | 92.5   | 92.5   | 92.5   | 92.5    | 93.0   |
| ≥ 900           | 74.5                       | 87.8 | 88.5 | 90.4 | 91.1 | 91.6  | 91.8 | 92.1  | 92.1  | 92.3  | 92.5   | 92.5   | 92.5   | 92.5   | 92.5    | 93.0   |
| ≥ 800           | 74.5                       | 88.0 | 88.7 | 90.6 | 91.3 | 91.8  | 92.0 | 92.3  | 92.3  | 92.5  | 92.6   | 92.6   | 92.6   | 92.6   | 92.6    | 93.2   |
| ≥ 700           | 74.5                       | 88.2 | 88.9 | 90.8 | 91.6 | 92.1  | 92.3 | 92.6  | 92.6  | 92.8  | 93.0   | 93.0   | 93.0   | 93.0   | 93.0    | 93.5   |
| ≥ 600           | 74.5                       | 88.7 | 89.4 | 91.4 | 92.5 | 93.0  | 93.3 | 93.7  | 93.7  | 93.8  | 94.0   | 94.0   | 94.0   | 94.0   | 94.0    | 94.5   |
| ≥ 500           | 74.7                       | 89.2 | 89.9 | 92.0 | 93.8 | 94.3  | 94.7 | 95.2  | 95.2  | 95.4  | 95.5   | 95.5   | 95.5   | 95.5   | 95.5    | 96.1   |
| ≥ 400           | 74.7                       | 89.4 | 90.1 | 92.1 | 94.0 | 94.5  | 95.2 | 95.9  | 95.9  | 96.2  | 96.4   | 96.4   | 96.4   | 96.4   | 96.4    | 96.9   |
| ≥ 300           | 74.7                       | 89.4 | 90.2 | 92.5 | 94.5 | 95.0  | 95.7 | 96.6  | 96.6  | 96.9  | 97.1   | 97.3   | 97.3   | 97.3   | 97.3    | 97.8   |
| ≥ 200           | 74.7                       | 89.4 | 90.2 | 92.6 | 94.7 | 95.2  | 95.9 | 96.7  | 96.7  | 97.1  | 97.3   | 97.4   | 97.4   | 97.4   | 97.4    | 97.8   |
| ≥ 100           | 74.7                       | 89.4 | 90.2 | 92.6 | 94.7 | 95.2  | 95.9 | 96.7  | 96.7  | 97.1  | 97.3   | 97.4   | 97.4   | 97.4   | 97.4    | 97.8   |
| ≥ 0             | 74.7                       | 89.4 | 90.2 | 92.6 | 94.7 | 95.2  | 95.9 | 96.7  | 96.7  | 97.1  | 97.3   | 97.4   | 97.4   | 97.4   | 97.4    | 97.8   |

TOTAL NUMBER OF OBSERVATIONS

584

USAF ETAC

D-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-78

DEC

STATION

STATION NAME

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |       |      |       |      |       |      |       |      |       |       |       |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|-------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ 0   |
| NO CEILING      | 67.7                       | 70.8 | 71.2 | 71.5 | 71.8 | 71.8  | 72.0 | 72.1  | 72.1 | 72.2  | 72.2 | 72.2  | 72.2 | 72.2  | 72.2  | 72.2  |
| ≥ 20000         | 71.0                       | 74.9 | 75.3 | 75.5 | 75.9 | 75.9  | 76.0 | 76.1  | 76.1 | 76.3  | 76.3 | 76.3  | 76.3 | 76.3  | 76.3  | 76.3  |
| ≥ 18000         | 71.2                       | 75.4 | 75.8 | 76.0 | 76.4 | 76.4  | 76.5 | 76.6  | 76.6 | 76.8  | 76.8 | 76.8  | 76.8 | 76.8  | 76.8  | 76.8  |
| ≥ 16000         | 71.5                       | 75.8 | 76.1 | 76.4 | 76.8 | 76.8  | 76.9 | 77.0  | 77.0 | 77.1  | 77.1 | 77.1  | 77.1 | 77.1  | 77.1  | 77.1  |
| ≥ 14000         | 71.7                       | 76.1 | 76.5 | 76.8 | 77.1 | 77.1  | 77.2 | 77.4  | 77.4 | 77.5  | 77.5 | 77.5  | 77.5 | 77.5  | 77.5  | 77.5  |
| ≥ 12000         | 72.4                       | 76.9 | 77.2 | 77.5 | 77.9 | 77.9  | 78.0 | 78.1  | 78.1 | 78.2  | 78.2 | 78.2  | 78.2 | 78.2  | 78.2  | 78.2  |
| ≥ 10000         | 72.8                       | 77.5 | 77.9 | 78.1 | 78.5 | 78.5  | 78.6 | 78.7  | 78.7 | 78.8  | 78.8 | 78.8  | 78.8 | 78.8  | 78.8  | 78.8  |
| ≥ 9000          | 72.8                       | 77.5 | 77.9 | 78.1 | 78.5 | 78.5  | 78.6 | 78.7  | 78.7 | 78.8  | 78.8 | 78.8  | 78.8 | 78.8  | 78.8  | 78.8  |
| ≥ 8000          | 72.9                       | 77.6 | 78.0 | 78.2 | 78.6 | 78.6  | 78.7 | 78.8  | 78.8 | 79.0  | 79.0 | 79.0  | 79.0 | 79.0  | 79.0  | 79.0  |
| ≥ 7000          | 73.3                       | 78.0 | 78.4 | 78.6 | 79.0 | 79.0  | 79.1 | 79.2  | 79.2 | 79.3  | 79.3 | 79.3  | 79.3 | 79.3  | 79.3  | 79.3  |
| ≥ 6000          | 73.9                       | 78.8 | 79.2 | 79.5 | 79.8 | 79.8  | 80.0 | 80.1  | 80.1 | 80.2  | 80.2 | 80.2  | 80.2 | 80.2  | 80.2  | 80.2  |
| ≥ 5000          | 74.5                       | 79.5 | 79.8 | 80.1 | 80.4 | 80.4  | 80.6 | 80.8  | 80.8 | 80.9  | 80.9 | 80.9  | 80.9 | 80.9  | 80.9  | 80.9  |
| ≥ 4500          | 74.9                       | 80.1 | 80.6 | 80.8 | 81.3 | 81.3  | 81.4 | 81.7  | 81.7 | 81.8  | 81.8 | 81.8  | 81.8 | 81.8  | 81.8  | 81.8  |
| ≥ 4000          | 75.2                       | 80.4 | 80.9 | 81.2 | 81.7 | 81.7  | 81.8 | 82.0  | 82.0 | 82.2  | 82.2 | 82.2  | 82.2 | 82.2  | 82.2  | 82.2  |
| ≥ 3500          | 75.6                       | 81.2 | 81.7 | 81.9 | 82.4 | 82.4  | 82.5 | 82.8  | 82.8 | 82.9  | 82.9 | 82.9  | 82.9 | 82.9  | 82.9  | 82.9  |
| ≥ 3000          | 77.9                       | 83.8 | 84.3 | 84.9 | 85.4 | 85.4  | 85.5 | 85.7  | 85.7 | 85.9  | 85.9 | 85.9  | 85.9 | 85.9  | 85.9  | 85.9  |
| ≥ 2500          | 79.1                       | 86.1 | 86.7 | 87.6 | 88.1 | 88.1  | 88.2 | 88.4  | 88.4 | 88.6  | 88.6 | 88.6  | 88.6 | 88.6  | 88.6  | 88.6  |
| ≥ 2000          | 80.7                       | 88.1 | 88.7 | 89.7 | 90.2 | 90.2  | 90.3 | 90.9  | 90.9 | 91.0  | 91.0 | 91.0  | 91.0 | 91.0  | 91.0  | 91.0  |
| ≥ 1800          | 80.8                       | 88.3 | 89.1 | 90.0 | 90.7 | 90.7  | 90.8 | 91.4  | 91.4 | 91.5  | 91.5 | 91.5  | 91.5 | 91.5  | 91.5  | 91.5  |
| ≥ 1500          | 81.1                       | 89.8 | 90.5 | 91.6 | 92.4 | 92.4  | 92.5 | 93.1  | 93.1 | 93.2  | 93.2 | 93.2  | 93.2 | 93.2  | 93.2  | 93.2  |
| ≥ 1200          | 81.3                       | 90.3 | 91.1 | 92.5 | 93.2 | 93.2  | 93.4 | 94.0  | 94.0 | 94.1  | 94.1 | 94.1  | 94.1 | 94.1  | 94.1  | 94.1  |
| ≥ 1000          | 81.4                       | 90.7 | 91.5 | 93.1 | 94.1 | 94.1  | 94.2 | 94.8  | 94.8 | 95.0  | 95.0 | 95.0  | 95.0 | 95.0  | 95.0  | 95.0  |
| ≥ 900           | 81.4                       | 90.7 | 91.5 | 93.1 | 94.1 | 94.1  | 94.2 | 94.8  | 94.8 | 95.0  | 95.0 | 95.0  | 95.0 | 95.0  | 95.0  | 95.0  |
| ≥ 800           | 81.4                       | 90.8 | 91.6 | 93.2 | 94.2 | 94.2  | 94.3 | 95.0  | 95.0 | 95.1  | 95.1 | 95.1  | 95.1 | 95.1  | 95.1  | 95.2  |
| ≥ 700           | 81.4                       | 90.9 | 91.8 | 93.4 | 94.6 | 94.6  | 94.7 | 95.3  | 95.3 | 95.4  | 95.4 | 95.4  | 95.4 | 95.4  | 95.4  | 95.6  |
| ≥ 600           | 81.5                       | 91.4 | 92.3 | 93.8 | 95.1 | 95.1  | 95.2 | 95.8  | 95.8 | 95.9  | 95.9 | 95.9  | 95.9 | 95.9  | 95.9  | 96.1  |
| ≥ 500           | 81.5                       | 91.8 | 92.9 | 94.6 | 95.9 | 96.1  | 96.2 | 96.9  | 96.9 | 97.2  | 97.3 | 97.3  | 97.3 | 97.3  | 97.3  | 97.4  |
| ≥ 400           | 81.5                       | 91.8 | 92.9 | 94.8 | 96.3 | 96.4  | 96.6 | 97.3  | 97.3 | 97.7  | 97.8 | 97.8  | 97.8 | 97.8  | 97.8  | 97.9  |
| ≥ 300           | 81.7                       | 91.9 | 93.0 | 95.0 | 96.8 | 96.9  | 97.0 | 97.9  | 97.9 | 98.4  | 98.6 | 98.9  | 98.9 | 98.9  | 98.9  | 99.1  |
| ≥ 200           | 81.7                       | 91.9 | 93.0 | 95.0 | 96.8 | 96.9  | 97.0 | 97.9  | 97.9 | 98.4  | 98.6 | 99.0  | 99.0 | 99.0  | 99.3  | 99.6  |
| ≥ 100           | 81.7                       | 91.9 | 93.0 | 95.0 | 96.8 | 96.9  | 97.0 | 97.9  | 97.9 | 98.4  | 98.6 | 99.0  | 99.0 | 99.0  | 99.5  | 100.0 |
| ≥ 0             | 81.7                       | 91.9 | 93.0 | 95.0 | 96.8 | 96.9  | 97.0 | 97.9  | 97.9 | 98.4  | 98.6 | 99.0  | 99.0 | 99.0  | 99.5  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

R13

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAL  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70073-78

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2  | ≥ 2  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1   |
| NO CEILING      | 67.1                       | 71.3 | 71.5 | 71.5 | 71.9 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1  |
| ≥ 20000         | 70.1                       | 75.7 | 75.9 | 76.2 | 76.7 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9  |
| ≥ 18000         | 70.1                       | 75.9 | 76.2 | 76.4 | 76.9 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1  |
| ≥ 16000         | 71.3                       | 77.0 | 77.3 | 77.5 | 78.0 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3  |
| ≥ 14000         | 72.1                       | 78.0 | 78.3 | 78.5 | 79.0 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2  |
| ≥ 12000         | 73.5                       | 79.5 | 79.7 | 80.1 | 80.0 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8  |
| ≥ 10000         | 74.0                       | 80.0 | 80.3 | 80.7 | 81.2 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4  |
| ≥ 9000          | 74.6                       | 80.6 | 81.0 | 81.3 | 81.8 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1  |
| ≥ 8000          | 74.8                       | 81.0 | 81.3 | 81.7 | 82.2 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4  |
| ≥ 7000          | 74.9                       | 81.1 | 81.4 | 81.8 | 82.3 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6  |
| ≥ 6000          | 75.8                       | 81.9 | 82.3 | 82.7 | 83.2 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4  |
| ≥ 5000          | 76.9                       | 83.3 | 83.7 | 84.0 | 84.5 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8  |
| ≥ 4500          | 77.5                       | 84.3 | 84.6 | 85.0 | 85.0 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9  |
| ≥ 4000          | 78.0                       | 85.0 | 85.4 | 85.7 | 86.4 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6  |
| ≥ 3500          | 78.0                       | 85.0 | 85.4 | 85.7 | 86.4 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6  |
| ≥ 3000          | 78.9                       | 86.1 | 86.5 | 86.9 | 87.6 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8  |
| ≥ 2500          | 79.7                       | 87.6 | 88.3 | 88.8 | 89.0 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8  |
| ≥ 2000          | 81.4                       | 90.3 | 91.0 | 91.6 | 92.4 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6  |
| ≥ 1800          | 81.6                       | 90.9 | 91.6 | 92.4 | 93.1 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4  |
| ≥ 1500          | 81.7                       | 91.9 | 92.8 | 93.6 | 94.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6  |
| ≥ 1200          | 81.9                       | 93.1 | 94.0 | 95.2 | 96.1 | 96.3 | 96.3 | 96.3 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4  |
| ≥ 1000          | 82.2                       | 93.5 | 94.5 | 95.8 | 96.7 | 96.9 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2  |
| ≥ 900           | 82.2                       | 93.7 | 94.7 | 96.1 | 96.9 | 97.2 | 97.3 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4  |
| ≥ 800           | 82.2                       | 93.7 | 94.7 | 96.1 | 97.1 | 97.3 | 97.4 | 97.4 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5  |
| ≥ 700           | 82.2                       | 93.7 | 94.7 | 96.1 | 97.2 | 97.4 | 97.5 | 97.5 | 97.5 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7  |
| ≥ 600           | 82.2                       | 93.9 | 94.8 | 96.2 | 97.3 | 97.5 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8  |
| ≥ 500           | 82.2                       | 93.9 | 94.8 | 96.3 | 97.4 | 97.7 | 97.9 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0  |
| ≥ 400           | 82.2                       | 93.9 | 95.0 | 96.4 | 97.5 | 97.9 | 98.2 | 98.3 | 98.3 | 98.4 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6  |
| ≥ 300           | 82.2                       | 93.9 | 95.0 | 96.4 | 97.5 | 97.9 | 98.2 | 98.4 | 98.4 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.9 | 98.9  |
| ≥ 200           | 82.2                       | 93.9 | 95.0 | 96.4 | 97.7 | 98.0 | 98.3 | 98.5 | 98.5 | 98.6 | 99.0 | 99.0 | 99.0 | 99.0 | 99.3 | 99.3  |
| ≥ 100           | 82.2                       | 93.9 | 95.0 | 96.4 | 97.7 | 98.0 | 98.3 | 98.6 | 98.6 | 98.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.4 | 99.8  |
| ≥ 0             | 82.2                       | 93.9 | 95.0 | 96.4 | 97.7 | 98.0 | 98.3 | 98.6 | 98.6 | 98.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.4 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

814

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

| CEILING<br>FEET | VISIBILITY (STATUTE MILES) |      |      |      |      |       |      |       |        |      |       |      |       |       |      |       |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|--------|------|-------|------|-------|-------|------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1.25 | ≥ 1  | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .16 | ≥ .1 | ≥ 0   |
| NO CEILING      | 61.1                       | 65.8 | 66.1 | 66.5 | 67.1 | 67.1  | 67.2 | 67.2  | 67.2   | 67.2 | 67.2  | 67.2 | 67.2  | 67.2  | 67.2 | 67.2  |
| ≥ 20000         | 65.2                       | 71.1 | 71.3 | 71.9 | 72.5 | 72.7  | 73.3 | 73.3  | 73.3   | 73.3 | 73.3  | 73.3 | 73.3  | 73.3  | 73.3 | 73.3  |
| ≥ 18000         | 65.2                       | 71.4 | 71.7 | 72.3 | 72.9 | 73.0  | 73.7 | 73.7  | 73.7   | 73.7 | 73.7  | 73.7 | 73.7  | 73.7  | 73.7 | 73.7  |
| ≥ 16000         | 65.8                       | 72.3 | 72.5 | 73.2 | 73.8 | 73.9  | 74.5 | 74.5  | 74.5   | 74.5 | 74.5  | 74.5 | 74.5  | 74.5  | 74.5 | 74.5  |
| ≥ 14000         | 67.0                       | 73.5 | 73.8 | 74.4 | 75.0 | 75.2  | 75.8 | 75.8  | 75.8   | 75.8 | 75.8  | 75.8 | 75.8  | 75.8  | 75.8 | 75.8  |
| ≥ 12000         | 68.0                       | 74.5 | 74.8 | 75.4 | 76.0 | 76.1  | 76.8 | 76.8  | 76.8   | 76.8 | 76.8  | 76.8 | 76.8  | 76.8  | 76.8 | 76.8  |
| ≥ 10000         | 69.2                       | 76.0 | 76.4 | 77.1 | 77.8 | 77.9  | 78.5 | 78.5  | 78.5   | 78.5 | 78.5  | 78.5 | 78.5  | 78.5  | 78.5 | 78.5  |
| ≥ 9000          | 69.2                       | 76.0 | 76.4 | 77.1 | 77.8 | 77.9  | 78.5 | 78.5  | 78.5   | 78.5 | 78.5  | 78.5 | 78.5  | 78.5  | 78.5 | 78.5  |
| ≥ 8000          | 69.4                       | 76.4 | 76.8 | 77.5 | 78.1 | 78.3  | 78.9 | 78.9  | 78.9   | 78.9 | 78.9  | 78.9 | 78.9  | 78.9  | 78.9 | 78.9  |
| ≥ 7000          | 69.4                       | 76.4 | 76.8 | 77.5 | 78.1 | 78.3  | 78.9 | 78.9  | 78.9   | 78.9 | 78.9  | 78.9 | 78.9  | 78.9  | 78.9 | 78.9  |
| ≥ 6000          | 70.1                       | 77.0 | 77.4 | 78.1 | 78.8 | 78.9  | 79.5 | 79.5  | 79.5   | 79.5 | 79.5  | 79.5 | 79.5  | 79.5  | 79.5 | 79.5  |
| ≥ 5000          | 70.3                       | 77.3 | 77.6 | 78.4 | 79.0 | 79.1  | 79.8 | 79.8  | 79.8   | 79.8 | 79.8  | 79.8 | 79.8  | 79.8  | 79.8 | 79.8  |
| ≥ 4500          | 71.4                       | 78.5 | 78.9 | 79.6 | 80.2 | 80.4  | 81.1 | 81.2  | 81.2   | 81.4 | 81.4  | 81.4 | 81.4  | 81.4  | 81.4 | 81.4  |
| ≥ 4000          | 71.9                       | 79.3 | 79.6 | 80.4 | 81.0 | 81.1  | 81.9 | 82.0  | 82.0   | 82.1 | 82.1  | 82.1 | 82.1  | 82.1  | 82.1 | 82.1  |
| ≥ 3500          | 72.7                       | 80.1 | 80.5 | 81.2 | 81.9 | 82.0  | 82.7 | 82.9  | 82.9   | 83.0 | 83.0  | 83.0 | 83.0  | 83.0  | 83.0 | 83.0  |
| ≥ 3000          | 73.3                       | 81.0 | 81.4 | 82.1 | 82.7 | 82.9  | 83.6 | 83.7  | 83.7   | 83.9 | 83.9  | 83.9 | 83.9  | 83.9  | 83.9 | 83.9  |
| ≥ 2500          | 74.2                       | 82.7 | 83.4 | 84.1 | 84.8 | 85.0  | 85.7 | 85.8  | 85.8   | 86.0 | 86.0  | 86.0 | 86.0  | 86.0  | 86.0 | 86.0  |
| ≥ 2000          | 74.7                       | 83.9 | 84.6 | 85.5 | 86.2 | 86.3  | 87.1 | 87.2  | 87.2   | 87.3 | 87.3  | 87.3 | 87.3  | 87.3  | 87.3 | 87.3  |
| ≥ 1800          | 75.3                       | 84.8 | 85.6 | 86.5 | 87.3 | 87.5  | 88.2 | 88.3  | 88.3   | 88.6 | 88.6  | 88.6 | 88.6  | 88.6  | 88.6 | 88.6  |
| ≥ 1500          | 75.3                       | 85.6 | 86.5 | 87.6 | 88.4 | 88.6  | 89.4 | 89.7  | 89.7   | 90.1 | 90.1  | 90.1 | 90.1  | 90.1  | 90.1 | 90.1  |
| ≥ 1200          | 75.8                       | 87.2 | 88.2 | 89.7 | 90.6 | 90.7  | 91.6 | 91.8  | 91.8   | 92.2 | 92.2  | 92.2 | 92.2  | 92.2  | 92.2 | 92.2  |
| ≥ 1000          | 75.9                       | 87.7 | 88.9 | 90.6 | 91.4 | 91.6  | 92.5 | 92.8  | 92.8   | 93.2 | 93.2  | 93.2 | 93.2  | 93.2  | 93.2 | 93.2  |
| ≥ 900           | 76.3                       | 88.1 | 89.4 | 91.1 | 91.9 | 92.0  | 93.0 | 93.3  | 93.3   | 93.7 | 93.7  | 93.7 | 93.7  | 93.7  | 93.7 | 93.7  |
| ≥ 800           | 76.3                       | 88.2 | 89.6 | 91.4 | 92.3 | 92.4  | 93.4 | 93.8  | 93.8   | 94.2 | 94.2  | 94.2 | 94.2  | 94.2  | 94.2 | 94.2  |
| ≥ 700           | 76.4                       | 88.3 | 89.9 | 91.8 | 92.9 | 93.0  | 94.0 | 94.4  | 94.4   | 94.8 | 94.8  | 94.8 | 94.8  | 94.8  | 94.8 | 94.8  |
| ≥ 600           | 76.5                       | 88.6 | 90.2 | 92.0 | 93.3 | 93.4  | 94.4 | 94.8  | 94.8   | 95.2 | 95.2  | 95.2 | 95.2  | 95.2  | 95.2 | 95.2  |
| ≥ 500           | 76.5                       | 88.7 | 90.3 | 92.2 | 93.4 | 93.5  | 94.5 | 95.2  | 95.2   | 95.5 | 95.5  | 95.5 | 95.5  | 95.5  | 95.5 | 95.5  |
| ≥ 400           | 76.6                       | 89.6 | 91.2 | 93.0 | 94.7 | 94.8  | 95.8 | 96.4  | 96.4   | 96.8 | 96.9  | 96.9 | 96.9  | 96.9  | 96.9 | 96.9  |
| ≥ 300           | 76.6                       | 89.8 | 91.6 | 93.4 | 95.0 | 95.2  | 96.3 | 97.0  | 97.0   | 97.5 | 97.8  | 97.9 | 97.9  | 97.9  | 97.9 | 97.9  |
| ≥ 200           | 76.6                       | 89.9 | 91.7 | 93.7 | 95.4 | 95.5  | 96.6 | 97.4  | 97.4   | 97.9 | 98.1  | 98.4 | 98.4  | 98.4  | 98.9 | 99.4  |
| ≥ 100           | 76.6                       | 89.9 | 91.7 | 93.7 | 95.4 | 95.5  | 96.6 | 97.4  | 97.4   | 97.9 | 98.1  | 98.4 | 98.4  | 98.5  | 99.0 | 100.0 |
| ≥ 50            | 76.6                       | 89.9 | 91.7 | 93.7 | 95.4 | 95.5  | 96.6 | 97.4  | 97.4   | 97.9 | 98.1  | 98.4 | 98.4  | 98.5  | 99.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

805

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-74, 77-78

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |       |      |       |       |      |       |       |      |       |        |      |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|-------|------|-------|-------|------|-------|--------|------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1.0 | ≥ .5 | ≥ .25 | ≥ .15 | ≥ .1 | ≥ .05 | ≥ .025 | ≥ 0  |
| NO CEILING      | 51.4                       | 68.8 | 69.0 | 69.1 | 69.1 | 69.3  | 69.3 | 69.3  | 69.3  | 69.3 | 69.3  | 69.3  | 69.3 | 69.3  | 69.5   | 69.7 |
| ≥ 20000         | 53.2                       | 71.3 | 71.5 | 71.6 | 71.6 | 71.8  | 71.8 | 71.8  | 71.8  | 71.8 | 71.8  | 71.8  | 71.8 | 71.8  | 72.0   | 72.2 |
| ≥ 18000         | 53.5                       | 72.0 | 72.2 | 72.3 | 72.3 | 72.5  | 72.5 | 72.5  | 72.5  | 72.5 | 72.5  | 72.5  | 72.5 | 72.5  | 72.7   | 72.9 |
| ≥ 16000         | 54.3                       | 72.7 | 72.9 | 73.0 | 73.0 | 73.2  | 73.2 | 73.2  | 73.2  | 73.2 | 73.2  | 73.2  | 73.2 | 73.2  | 73.4   | 73.6 |
| ≥ 14000         | 55.3                       | 73.9 | 74.1 | 74.3 | 74.3 | 74.5  | 74.5 | 74.5  | 74.5  | 74.5 | 74.5  | 74.5  | 74.5 | 74.5  | 74.6   | 74.8 |
| ≥ 12000         | 56.0                       | 75.0 | 75.2 | 75.4 | 75.4 | 75.5  | 75.5 | 75.5  | 75.5  | 75.5 | 75.5  | 75.5  | 75.5 | 75.5  | 75.7   | 75.9 |
| ≥ 10000         | 57.1                       | 76.4 | 76.6 | 76.8 | 76.8 | 77.0  | 77.0 | 77.0  | 77.0  | 77.0 | 77.0  | 77.0  | 77.0 | 77.0  | 77.1   | 77.3 |
| ≥ 9000          | 57.1                       | 76.4 | 76.6 | 76.8 | 76.8 | 77.0  | 77.0 | 77.0  | 77.0  | 77.0 | 77.0  | 77.0  | 77.0 | 77.0  | 77.1   | 77.3 |
| ≥ 8000          | 57.1                       | 76.4 | 76.6 | 76.8 | 76.8 | 77.0  | 77.0 | 77.0  | 77.0  | 77.0 | 77.0  | 77.0  | 77.0 | 77.0  | 77.1   | 77.3 |
| ≥ 7000          | 57.4                       | 77.1 | 77.3 | 77.5 | 77.5 | 77.7  | 77.7 | 77.7  | 77.7  | 77.7 | 77.7  | 77.7  | 77.7 | 77.7  | 77.8   | 78.0 |
| ≥ 6000          | 57.4                       | 77.5 | 77.7 | 77.8 | 77.8 | 78.0  | 78.0 | 78.0  | 78.0  | 78.0 | 78.0  | 78.0  | 78.0 | 78.0  | 78.2   | 78.4 |
| ≥ 5000          | 57.6                       | 77.7 | 77.8 | 78.0 | 78.0 | 78.2  | 78.2 | 78.2  | 78.2  | 78.2 | 78.2  | 78.2  | 78.2 | 78.2  | 78.4   | 78.6 |
| ≥ 4500          | 58.2                       | 79.1 | 79.3 | 79.4 | 79.6 | 79.8  | 79.8 | 79.8  | 79.8  | 79.8 | 79.8  | 79.8  | 79.8 | 79.8  | 80.0   | 80.2 |
| ≥ 4000          | 58.2                       | 79.3 | 79.4 | 79.6 | 79.8 | 80.0  | 80.0 | 80.0  | 80.0  | 80.0 | 80.0  | 80.0  | 80.0 | 80.0  | 80.1   | 80.3 |
| ≥ 3500          | 58.9                       | 80.9 | 81.0 | 81.2 | 81.4 | 81.6  | 81.6 | 81.6  | 81.6  | 81.6 | 81.6  | 81.6  | 81.6 | 81.6  | 81.7   | 81.9 |
| ≥ 3000          | 59.4                       | 81.7 | 81.9 | 82.1 | 82.3 | 82.4  | 82.4 | 82.4  | 82.4  | 82.4 | 82.4  | 82.4  | 82.4 | 82.4  | 82.6   | 82.8 |
| ≥ 2500          | 60.5                       | 83.9 | 84.0 | 84.2 | 84.4 | 84.6  | 84.6 | 84.6  | 84.6  | 84.6 | 84.6  | 84.6  | 84.6 | 84.6  | 84.8   | 84.9 |
| ≥ 2000          | 60.6                       | 85.6 | 85.8 | 86.3 | 86.5 | 86.7  | 86.7 | 86.7  | 86.7  | 86.7 | 86.7  | 86.7  | 86.7 | 86.7  | 86.9   | 87.1 |
| ≥ 1800          | 60.6                       | 85.6 | 85.8 | 86.3 | 86.7 | 86.9  | 86.9 | 86.9  | 86.9  | 86.9 | 86.9  | 86.9  | 86.9 | 86.9  | 87.1   | 87.2 |
| ≥ 1500          | 60.8                       | 87.2 | 87.4 | 88.1 | 88.7 | 88.8  | 88.8 | 88.8  | 88.8  | 88.8 | 88.8  | 88.8  | 88.8 | 88.8  | 89.0   | 89.2 |
| ≥ 1200          | 61.2                       | 88.1 | 88.3 | 89.0 | 90.1 | 90.2  | 90.2 | 90.2  | 90.2  | 90.2 | 90.2  | 90.2  | 90.2 | 90.2  | 90.4   | 90.6 |
| ≥ 1000          | 61.2                       | 88.8 | 89.0 | 89.9 | 91.0 | 91.1  | 91.1 | 91.3  | 91.3  | 91.3 | 91.3  | 91.3  | 91.3 | 91.3  | 91.5   | 91.7 |
| ≥ 900           | 61.2                       | 89.0 | 89.2 | 90.1 | 91.1 | 91.3  | 91.3 | 91.5  | 91.5  | 91.5 | 91.5  | 91.5  | 91.5 | 91.5  | 91.7   | 91.8 |
| ≥ 800           | 61.3                       | 89.2 | 89.4 | 90.2 | 91.3 | 91.5  | 91.5 | 91.7  | 91.7  | 91.7 | 91.7  | 91.7  | 91.7 | 91.7  | 91.8   | 92.0 |
| ≥ 700           | 61.3                       | 89.2 | 89.4 | 90.4 | 91.7 | 91.8  | 91.8 | 92.0  | 92.0  | 92.0 | 92.0  | 92.0  | 92.0 | 92.0  | 92.2   | 92.4 |
| ≥ 600           | 61.3                       | 89.5 | 89.9 | 91.1 | 92.6 | 92.7  | 92.7 | 92.9  | 92.9  | 92.9 | 92.9  | 92.9  | 92.9 | 92.9  | 93.1   | 93.3 |
| ≥ 500           | 61.3                       | 89.9 | 90.4 | 91.7 | 93.3 | 93.4  | 93.4 | 93.6  | 93.8  | 93.8 | 93.8  | 93.8  | 93.8 | 93.8  | 94.0   | 94.1 |
| ≥ 400           | 61.3                       | 90.2 | 90.8 | 92.4 | 94.0 | 94.1  | 94.1 | 94.3  | 94.5  | 94.5 | 94.5  | 94.5  | 94.5 | 94.5  | 94.7   | 94.9 |
| ≥ 300           | 61.3                       | 90.2 | 90.8 | 92.6 | 94.3 | 94.7  | 94.9 | 95.0  | 95.2  | 95.4 | 95.4  | 95.4  | 95.4 | 95.4  | 95.6   | 95.9 |
| ≥ 200           | 61.3                       | 90.2 | 90.8 | 92.6 | 94.3 | 94.9  | 95.0 | 95.4  | 95.6  | 95.7 | 95.7  | 95.7  | 95.7 | 95.7  | 96.5   | 96.8 |
| ≥ 100           | 61.3                       | 90.2 | 90.8 | 92.6 | 94.3 | 94.9  | 95.0 | 95.6  | 95.7  | 95.9 | 95.9  | 95.9  | 95.9 | 95.9  | 96.6   | 97.0 |
| ≥ 0             | 61.3                       | 90.2 | 90.8 | 92.6 | 94.3 | 94.9  | 95.0 | 95.6  | 95.7  | 95.9 | 95.9  | 95.9  | 95.9 | 95.9  | 96.6   | 97.0 |

TOTAL NUMBER OF OBSERVATIONS

564

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

67-70, 73-75, 77  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
TIME

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |       |      |      |      |      |       |      |      |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|------|-------|------|------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1.4 | ≥ 1  | ≥ .5 | ≥ .4 | ≥ .3 | ≥ .25 | ≥ .2 | ≥ .1 |
| NO CEILING      | 51.9                     | 69.8 | 70.3 | 70.3 | 70.5 | 70.5  | 70.5 | 70.5  | 70.5  | 70.5 | 70.5 | 70.5 | 70.5 | 70.5  | 70.7 | 71.0 |
| ≥ 20000         | 52.6                     | 70.7 | 71.4 | 71.6 | 71.7 | 71.7  | 71.7 | 71.9  | 71.9  | 71.9 | 71.9 | 71.9 | 71.9 | 71.9  | 72.1 | 72.8 |
| ≥ 18000         | 53.0                     | 71.4 | 72.1 | 72.3 | 72.5 | 72.5  | 72.5 | 72.6  | 72.6  | 72.6 | 72.6 | 72.6 | 72.6 | 72.6  | 72.8 | 73.5 |
| ≥ 16000         | 53.5                     | 72.1 | 72.8 | 73.0 | 73.2 | 73.2  | 73.2 | 73.3  | 73.3  | 73.3 | 73.3 | 73.3 | 73.3 | 73.3  | 73.5 | 74.2 |
| ≥ 14000         | 54.6                     | 73.2 | 73.9 | 74.1 | 74.2 | 74.2  | 74.2 | 74.4  | 74.4  | 74.4 | 74.4 | 74.4 | 74.4 | 74.4  | 74.6 | 75.3 |
| ≥ 12000         | 55.3                     | 74.1 | 74.8 | 75.0 | 75.1 | 75.1  | 75.1 | 75.3  | 75.3  | 75.3 | 75.3 | 75.3 | 75.3 | 75.3  | 75.5 | 76.2 |
| ≥ 10000         | 55.3                     | 74.4 | 75.1 | 75.3 | 75.5 | 75.5  | 75.5 | 75.7  | 75.7  | 75.7 | 75.7 | 75.7 | 75.7 | 75.7  | 75.8 | 76.6 |
| ≥ 9000          | 55.3                     | 74.4 | 75.1 | 75.3 | 75.5 | 75.5  | 75.5 | 75.7  | 75.7  | 75.7 | 75.7 | 75.7 | 75.7 | 75.7  | 75.8 | 76.6 |
| ≥ 8000          | 55.6                     | 74.8 | 75.5 | 75.7 | 75.8 | 75.8  | 75.8 | 76.0  | 76.0  | 76.0 | 76.0 | 76.0 | 76.0 | 76.0  | 76.2 | 76.9 |
| ≥ 7000          | 56.2                     | 75.3 | 76.0 | 76.2 | 76.4 | 76.4  | 76.4 | 76.6  | 76.6  | 76.6 | 76.6 | 76.6 | 76.6 | 76.6  | 76.7 | 77.5 |
| ≥ 6000          | 56.2                     | 75.7 | 76.4 | 76.6 | 76.7 | 76.7  | 76.7 | 76.9  | 76.9  | 76.9 | 76.9 | 76.9 | 76.9 | 76.9  | 77.1 | 77.8 |
| ≥ 5000          | 56.9                     | 76.7 | 77.5 | 77.6 | 77.8 | 77.8  | 77.8 | 78.0  | 78.0  | 78.0 | 78.0 | 78.0 | 78.0 | 78.0  | 78.2 | 78.9 |
| ≥ 4500          | 57.4                     | 77.6 | 78.4 | 78.5 | 78.7 | 78.7  | 78.7 | 78.9  | 78.9  | 78.9 | 78.9 | 78.9 | 78.9 | 78.9  | 79.1 | 79.8 |
| ≥ 4000          | 58.1                     | 78.4 | 79.1 | 79.2 | 79.4 | 79.4  | 79.4 | 79.6  | 79.6  | 79.6 | 79.6 | 79.6 | 79.6 | 79.6  | 79.8 | 80.5 |
| ≥ 3500          | 58.3                     | 79.1 | 79.8 | 80.0 | 80.1 | 80.1  | 80.1 | 80.3  | 80.3  | 80.3 | 80.3 | 80.3 | 80.3 | 80.3  | 80.5 | 81.2 |
| ≥ 3000          | 58.7                     | 79.4 | 80.1 | 80.3 | 80.5 | 80.5  | 80.5 | 80.7  | 80.7  | 80.7 | 80.7 | 80.7 | 80.7 | 80.7  | 80.9 | 81.6 |
| ≥ 2500          | 59.6                     | 80.9 | 81.6 | 81.8 | 81.9 | 81.9  | 81.9 | 82.1  | 82.1  | 82.1 | 82.1 | 82.1 | 82.1 | 82.1  | 82.3 | 83.0 |
| ≥ 2000          | 59.7                     | 82.1 | 82.8 | 83.0 | 83.2 | 83.2  | 83.2 | 83.5  | 83.5  | 83.5 | 83.5 | 83.5 | 83.5 | 83.5  | 83.7 | 84.4 |
| ≥ 1800          | 59.7                     | 82.6 | 83.5 | 83.7 | 84.1 | 84.1  | 84.1 | 84.4  | 84.4  | 84.4 | 84.4 | 84.4 | 84.4 | 84.4  | 84.6 | 85.3 |
| ≥ 1500          | 59.9                     | 83.9 | 85.0 | 85.2 | 85.5 | 85.5  | 85.5 | 85.9  | 85.9  | 85.9 | 85.9 | 85.9 | 85.9 | 85.9  | 86.0 | 86.8 |
| ≥ 1200          | 59.9                     | 84.4 | 85.9 | 86.6 | 87.3 | 87.3  | 87.3 | 87.7  | 87.7  | 87.7 | 87.7 | 87.7 | 87.7 | 87.7  | 87.8 | 88.6 |
| ≥ 1000          | 59.9                     | 85.0 | 86.4 | 87.1 | 88.0 | 88.2  | 88.2 | 88.6  | 88.6  | 88.6 | 88.6 | 88.6 | 88.6 | 88.6  | 88.7 | 89.4 |
| ≥ 900           | 59.9                     | 85.0 | 86.4 | 87.1 | 88.0 | 88.2  | 88.2 | 88.4  | 88.7  | 88.7 | 88.7 | 88.7 | 88.7 | 88.7  | 88.9 | 89.6 |
| ≥ 800           | 59.9                     | 85.9 | 87.3 | 88.0 | 88.9 | 89.1  | 89.3 | 89.6  | 89.6  | 89.6 | 89.6 | 89.6 | 89.6 | 89.6  | 89.8 | 90.5 |
| ≥ 700           | 60.3                     | 86.7 | 87.7 | 88.6 | 89.8 | 90.0  | 90.2 | 90.5  | 90.5  | 90.5 | 90.5 | 90.5 | 90.5 | 90.5  | 90.7 | 91.4 |
| ≥ 600           | 60.3                     | 86.8 | 88.2 | 89.4 | 90.7 | 90.9  | 91.1 | 91.6  | 91.6  | 91.6 | 91.6 | 91.6 | 91.6 | 91.6  | 91.8 | 92.5 |
| ≥ 500           | 60.3                     | 87.3 | 88.7 | 90.2 | 91.4 | 91.9  | 92.1 | 92.8  | 92.8  | 92.8 | 92.8 | 92.8 | 92.8 | 92.8  | 93.0 | 93.7 |
| ≥ 400           | 60.3                     | 87.7 | 89.1 | 90.5 | 91.9 | 92.5  | 93.0 | 93.9  | 93.9  | 93.9 | 93.9 | 93.9 | 93.9 | 93.9  | 94.1 | 94.8 |
| ≥ 300           | 60.3                     | 87.7 | 89.1 | 90.7 | 92.3 | 92.8  | 93.4 | 94.3  | 94.5  | 94.6 | 94.6 | 94.6 | 94.6 | 94.6  | 95.3 | 96.1 |
| ≥ 200           | 60.3                     | 87.7 | 89.1 | 90.7 | 92.3 | 92.8  | 93.6 | 94.6  | 95.0  | 95.2 | 95.2 | 95.2 | 95.2 | 95.2  | 96.1 | 97.0 |
| ≥ 100           | 60.3                     | 87.7 | 89.1 | 90.7 | 92.3 | 92.8  | 93.7 | 94.8  | 95.2  | 95.3 | 95.3 | 95.3 | 95.3 | 95.3  | 96.6 | 97.7 |
| ≥ 0             | 60.3                     | 87.7 | 89.1 | 90.7 | 92.3 | 92.8  | 93.7 | 94.8  | 95.2  | 95.3 | 95.3 | 95.3 | 95.3 | 95.3  | 96.6 | 97.7 |

TOTAL NUMBER OF OBSERVATIONS

559

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

REC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2  | ≥ 2  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1   |
| NO CEILING      | 59.5                       | 68.5 | 68.8 | 69.1 | 69.4 | 69.5 | 69.6 | 69.7 | 69.7 | 69.8 | 69.8 | 69.8 | 69.8 | 69.9 | 70.0 | 70.2  |
| ≥ 20000         | 62.0                       | 71.7 | 72.1 | 72.4 | 72.9 | 73.0 | 73.2 | 73.3 | 73.3 | 73.4 | 73.4 | 73.4 | 73.4 | 73.5 | 73.6 | 73.9  |
| W 18000         | 62.2                       | 72.3 | 72.6 | 73.0 | 73.4 | 73.6 | 73.7 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 74.0 | 74.1 | 74.4  |
| W 16000         | 62.9                       | 73.0 | 73.3 | 73.7 | 74.1 | 74.3 | 74.5 | 74.6 | 74.6 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.9 | 75.1  |
| W 14000         | 63.6                       | 73.8 | 74.2 | 74.6 | 75.0 | 75.1 | 75.3 | 75.4 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.6 | 75.7 | 76.0  |
| W 12000         | 64.6                       | 74.9 | 75.3 | 75.7 | 76.1 | 76.3 | 76.4 | 76.6 | 76.6 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.9 | 77.1  |
| W 10000         | 65.2                       | 75.8 | 76.2 | 76.6 | 77.1 | 77.2 | 77.4 | 77.5 | 77.5 | 77.6 | 77.6 | 77.6 | 77.6 | 77.7 | 77.8 | 78.1  |
| W 9000          | 65.4                       | 75.9 | 76.3 | 76.8 | 77.2 | 77.3 | 77.5 | 77.6 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.8 | 77.9 | 78.2  |
| W 8000          | 65.6                       | 76.3 | 76.7 | 77.1 | 77.5 | 77.7 | 77.8 | 78.0 | 78.0 | 78.1 | 78.1 | 78.1 | 78.1 | 78.2 | 78.3 | 78.5  |
| W 7000          | 66.0                       | 76.7 | 77.1 | 77.5 | 78.0 | 78.1 | 78.3 | 78.4 | 78.4 | 78.5 | 78.5 | 78.5 | 78.5 | 78.6 | 78.7 | 79.0  |
| W 6000          | 66.4                       | 77.3 | 77.7 | 78.2 | 78.6 | 78.8 | 78.9 | 79.1 | 79.1 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.4 | 79.6  |
| W 5000          | 66.9                       | 78.1 | 78.5 | 79.0 | 79.4 | 79.5 | 79.7 | 79.9 | 79.9 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.2 | 80.4  |
| W 4500          | 67.4                       | 79.0 | 79.5 | 79.9 | 80.4 | 80.5 | 80.7 | 80.9 | 80.9 | 81.0 | 81.0 | 81.0 | 81.0 | 81.1 | 81.2 | 81.5  |
| W 4000          | 67.7                       | 79.6 | 80.1 | 80.5 | 81.0 | 81.2 | 81.3 | 81.5 | 81.6 | 81.6 | 81.7 | 81.7 | 81.7 | 81.7 | 81.8 | 82.1  |
| W 3500          | 68.2                       | 80.3 | 80.8 | 81.2 | 81.7 | 81.9 | 82.1 | 82.2 | 82.3 | 82.3 | 82.4 | 82.4 | 82.4 | 82.4 | 82.6 | 82.8  |
| W 3000          | 69.4                       | 82.2 | 82.6 | 83.1 | 83.6 | 83.8 | 84.0 | 84.1 | 84.2 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.5 | 84.7  |
| W 2500          | 70.4                       | 84.1 | 84.7 | 85.3 | 85.8 | 85.9 | 86.1 | 86.3 | 86.3 | 86.4 | 86.4 | 86.4 | 86.4 | 86.5 | 86.6 | 86.9  |
| W 2000          | 71.1                       | 85.8 | 86.4 | 87.2 | 87.7 | 87.9 | 88.1 | 88.3 | 88.4 | 88.4 | 88.5 | 88.5 | 88.5 | 88.5 | 88.6 | 88.9  |
| W 1800          | 71.3                       | 86.3 | 87.0 | 87.7 | 88.4 | 88.5 | 88.7 | 89.0 | 89.0 | 89.1 | 89.1 | 89.1 | 89.1 | 89.2 | 89.3 | 89.6  |
| W 1500          | 71.5                       | 87.5 | 88.3 | 89.2 | 89.9 | 90.1 | 90.2 | 90.6 | 90.6 | 90.7 | 90.8 | 90.8 | 90.8 | 90.8 | 90.9 | 91.2  |
| W 1200          | 71.8                       | 88.5 | 89.3 | 90.5 | 91.3 | 91.5 | 91.7 | 92.0 | 92.0 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.4 | 92.6  |
| W 1000          | 72.0                       | 89.2 | 90.1 | 91.4 | 92.3 | 92.5 | 92.8 | 93.1 | 93.1 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.5 | 93.7  |
| W 900           | 72.1                       | 89.3 | 90.2 | 91.6 | 92.5 | 92.7 | 93.0 | 93.3 | 93.3 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.7 | 93.9  |
| W 800           | 72.1                       | 89.5 | 90.4 | 91.9 | 92.8 | 93.0 | 93.3 | 93.6 | 93.6 | 93.8 | 93.8 | 93.8 | 93.8 | 93.9 | 94.0 | 94.3  |
| W 700           | 72.1                       | 89.6 | 90.6 | 92.1 | 93.1 | 93.4 | 93.6 | 94.0 | 94.0 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.4 | 94.7  |
| W 600           | 72.2                       | 89.9 | 90.9 | 92.5 | 93.7 | 93.9 | 94.2 | 94.6 | 94.6 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 95.0 | 95.3  |
| W 500           | 72.2                       | 90.2 | 91.3 | 92.9 | 94.2 | 94.5 | 94.8 | 95.3 | 95.3 | 95.5 | 95.6 | 95.6 | 95.6 | 95.7 | 95.8 | 96.1  |
| W 400           | 72.2                       | 90.4 | 91.6 | 93.3 | 94.8 | 95.1 | 95.5 | 96.1 | 96.1 | 96.4 | 96.4 | 96.4 | 96.4 | 96.5 | 96.7 | 97.0  |
| W 300           | 72.2                       | 90.5 | 91.7 | 93.6 | 95.2 | 95.5 | 96.0 | 96.6 | 96.6 | 97.0 | 97.1 | 97.2 | 97.2 | 97.4 | 97.5 | 97.9  |
| W 200           | 72.2                       | 90.6 | 91.7 | 93.6 | 95.3 | 95.6 | 96.1 | 96.8 | 96.9 | 97.3 | 97.4 | 97.5 | 97.6 | 97.9 | 98.3 | 99.1  |
| W 100           | 72.2                       | 90.6 | 91.7 | 93.6 | 95.3 | 95.6 | 96.1 | 96.9 | 97.0 | 97.3 | 97.5 | 97.6 | 97.8 | 98.0 | 98.7 | 99.8  |
| W 0             | 72.2                       | 90.6 | 91.7 | 93.6 | 95.3 | 95.6 | 96.1 | 96.9 | 97.0 | 97.3 | 97.5 | 97.6 | 97.8 | 98.0 | 98.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

4889

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93214

VANDENREPL AFB CA

7-70, 73-79

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 | ≥10                      | ≥6   | ≥5   | ≥4   | ≥3   | ≥2   | ≥2   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1    |
| NO CEILING      | 40.7                     | 50.6 | 51.3 | 51.7 | 52.1 | 52.1 | 52.3 | 52.4 | 52.4 | 52.5 | 52.5 | 52.5 | 52.6 | 52.7 | 53.0 | 53.3  |
| ≥ 20000         | 42.4                     | 52.7 | 53.4 | 54.0 | 54.3 | 54.4 | 54.5 | 54.6 | 54.6 | 54.7 | 54.8 | 54.8 | 54.9 | 55.0 | 55.2 | 55.6  |
| ≥ 18000         | 42.7                     | 53.2 | 53.9 | 54.4 | 54.7 | 54.8 | 54.9 | 55.0 | 55.1 | 55.1 | 55.2 | 55.2 | 55.3 | 55.4 | 55.6 | 56.0  |
| ≥ 16000         | 43.0                     | 53.6 | 54.3 | 54.8 | 55.1 | 55.2 | 55.4 | 55.5 | 55.5 | 55.6 | 55.6 | 55.7 | 55.7 | 55.8 | 56.1 | 56.4  |
| ≥ 14000         | 43.6                     | 54.3 | 55.0 | 55.5 | 55.9 | 56.0 | 56.1 | 56.2 | 56.2 | 56.3 | 56.4 | 56.4 | 56.5 | 56.6 | 56.8 | 57.2  |
| ≥ 12000         | 44.2                     | 54.9 | 55.7 | 56.2 | 56.6 | 56.7 | 56.8 | 56.9 | 57.0 | 57.1 | 57.1 | 57.1 | 57.2 | 57.3 | 57.6 | 57.9  |
| ≥ 10000         | 44.7                     | 55.6 | 56.4 | 56.9 | 57.3 | 57.4 | 57.6 | 57.7 | 57.7 | 57.8 | 57.8 | 57.9 | 58.0 | 58.0 | 58.3 | 58.7  |
| ≥ 9000          | 44.8                     | 55.8 | 56.6 | 57.1 | 57.5 | 57.6 | 57.7 | 57.8 | 57.9 | 58.0 | 58.0 | 58.0 | 58.1 | 58.2 | 58.5 | 58.8  |
| ≥ 8000          | 45.2                     | 56.2 | 57.0 | 57.6 | 57.9 | 58.0 | 58.2 | 58.3 | 58.3 | 58.4 | 58.5 | 58.5 | 58.6 | 58.7 | 58.9 | 59.3  |
| ≥ 7000          | 45.5                     | 56.7 | 57.4 | 58.0 | 58.4 | 58.5 | 58.6 | 58.7 | 58.8 | 58.8 | 58.9 | 58.9 | 59.0 | 59.1 | 59.4 | 59.7  |
| ≥ 6000          | 45.9                     | 57.2 | 57.9 | 58.5 | 58.9 | 59.0 | 59.2 | 59.3 | 59.3 | 59.4 | 59.4 | 59.5 | 59.6 | 59.6 | 59.9 | 60.3  |
| ≥ 5000          | 46.3                     | 57.8 | 58.5 | 59.1 | 59.5 | 59.6 | 59.8 | 59.9 | 59.9 | 60.0 | 60.0 | 60.1 | 60.2 | 60.3 | 60.5 | 60.9  |
| ≥ 4500          | 46.7                     | 58.3 | 59.1 | 59.6 | 60.0 | 60.2 | 60.3 | 60.4 | 60.4 | 60.5 | 60.6 | 60.6 | 60.7 | 60.8 | 61.0 | 61.4  |
| ≥ 4000          | 47.2                     | 58.9 | 59.7 | 60.3 | 60.7 | 60.8 | 61.0 | 61.1 | 61.1 | 61.2 | 61.2 | 61.3 | 61.4 | 61.4 | 61.7 | 62.1  |
| ≥ 3500          | 47.6                     | 59.5 | 60.3 | 60.9 | 61.3 | 61.4 | 61.5 | 61.7 | 61.7 | 61.8 | 61.8 | 61.9 | 61.9 | 62.0 | 62.3 | 62.7  |
| ≥ 3000          | 48.2                     | 60.4 | 61.3 | 61.9 | 62.3 | 62.4 | 62.6 | 62.7 | 62.7 | 62.8 | 62.8 | 62.9 | 63.0 | 63.0 | 63.3 | 63.7  |
| ≥ 2500          | 49.1                     | 61.8 | 62.7 | 63.4 | 63.8 | 63.9 | 64.0 | 64.2 | 64.2 | 64.3 | 64.3 | 64.4 | 64.5 | 64.5 | 64.8 | 65.2  |
| ≥ 2000          | 50.2                     | 63.7 | 64.6 | 65.3 | 65.8 | 65.9 | 66.1 | 66.2 | 66.2 | 66.3 | 66.3 | 66.4 | 66.5 | 66.6 | 66.8 | 67.2  |
| ≥ 1800          | 50.8                     | 64.6 | 65.6 | 66.3 | 66.8 | 66.9 | 67.0 | 67.2 | 67.2 | 67.3 | 67.4 | 67.4 | 67.5 | 67.6 | 67.8 | 68.2  |
| ≥ 1500          | 51.6                     | 66.3 | 67.3 | 68.1 | 68.6 | 68.7 | 68.9 | 69.0 | 69.1 | 69.2 | 69.2 | 69.3 | 69.3 | 69.4 | 69.7 | 70.1  |
| ≥ 1200          | 52.4                     | 68.3 | 69.4 | 70.3 | 70.8 | 71.0 | 71.2 | 71.3 | 71.3 | 71.4 | 71.5 | 71.5 | 71.6 | 71.7 | 72.0 | 72.3  |
| ≥ 1000          | 52.9                     | 70.0 | 71.2 | 72.2 | 72.8 | 73.0 | 73.2 | 73.3 | 73.3 | 73.5 | 73.5 | 73.6 | 73.6 | 73.7 | 74.0 | 74.4  |
| ≥ 900           | 53.2                     | 71.2 | 72.5 | 73.6 | 74.3 | 74.4 | 74.7 | 74.8 | 74.9 | 75.0 | 75.0 | 75.1 | 75.2 | 75.2 | 75.5 | 75.9  |
| ≥ 800           | 53.4                     | 72.2 | 73.8 | 75.0 | 75.8 | 75.9 | 76.2 | 76.3 | 76.4 | 76.5 | 76.5 | 76.6 | 76.7 | 76.7 | 77.0 | 77.4  |
| ≥ 700           | 53.5                     | 73.3 | 75.1 | 76.6 | 77.4 | 77.6 | 77.9 | 78.1 | 78.1 | 78.2 | 78.3 | 78.3 | 78.4 | 78.5 | 78.7 | 79.1  |
| ≥ 600           | 53.7                     | 74.4 | 76.6 | 78.5 | 79.4 | 79.6 | 80.0 | 80.2 | 80.2 | 80.3 | 80.4 | 80.4 | 80.5 | 80.6 | 80.9 | 81.2  |
| ≥ 500           | 53.7                     | 75.5 | 78.0 | 80.5 | 81.8 | 82.1 | 82.5 | 82.8 | 82.9 | 83.0 | 83.1 | 83.1 | 83.2 | 83.3 | 83.6 | 84.0  |
| ≥ 400           | 53.7                     | 76.1 | 78.9 | 82.1 | 84.0 | 84.5 | 85.1 | 85.6 | 85.7 | 85.9 | 86.1 | 86.1 | 86.3 | 86.4 | 86.6 | 87.0  |
| ≥ 300           | 53.8                     | 76.3 | 79.2 | 82.9 | 85.2 | 85.9 | 86.9 | 87.8 | 88.0 | 88.4 | 88.7 | 88.8 | 89.1 | 89.2 | 89.6 | 90.2  |
| ≥ 200           | 53.8                     | 76.3 | 79.3 | 83.1 | 85.6 | 86.4 | 87.6 | 88.9 | 89.2 | 89.8 | 90.4 | 90.7 | 91.3 | 91.7 | 93.0 | 94.5  |
| ≥ 100           | 53.8                     | 76.3 | 79.3 | 83.1 | 85.6 | 86.5 | 87.7 | 89.1 | 89.4 | 90.2 | 90.9 | 91.3 | 92.0 | 92.6 | 95.0 | 99.6  |
| ≥ 0             | 53.8                     | 76.3 | 79.3 | 83.1 | 85.6 | 86.5 | 87.7 | 89.1 | 89.4 | 90.2 | 90.9 | 91.3 | 92.0 | 92.6 | 95.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

59439

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TOTAL SKY COVER

FOR THE PERIOD OF RECORD 1971 AND LATER THE AIRWAYS  
SYMBOLS OF CLEAR, SCATTERED, BROKEN, OVERCAST, & OBSCURED  
WERE USED AS INPUT FOR THE TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

## SKY COVER

93214

VANDENBERG AFB CA

73-79

JAN

STATION

STATION NAME

PERIOD

400

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |   |   |      |   |   |   |   |   |      | MEAN<br>TENTHS OF<br>SKY COVER | TOTAL<br>NO. OF<br>OBS. |      |
|--------|-------------------|---------------------------------------------------|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
|        |                   | 0                                                 | 1 | 2 | 3    | 4 | 5 | 6 | 7 | 8 | 9    |                                |                         | 10   |
| JAN    | 00-02             | 41.9                                              |   |   | 23.7 |   |   |   |   |   | 15.1 | 19.4                           | 4.0                     | 93   |
|        | 03-05             | 32.6                                              |   |   | 22.1 |   |   |   |   |   | 26.3 | 18.9                           | 4.9                     | 95   |
|        | 06-08             | 24.9                                              |   |   | 20.7 |   |   |   |   |   | 23.1 | 31.3                           | 5.8                     | 329  |
|        | 09-11             | 18.2                                              |   |   | 24.5 |   |   |   |   |   | 27.6 | 29.7                           | 6.2                     | 539  |
|        | 12-14             | 16.0                                              |   |   | 26.3 |   |   |   |   |   | 28.8 | 28.9                           | 6.3                     | 539  |
|        | 15-17             | 13.5                                              |   |   | 28.0 |   |   |   |   |   | 27.5 | 31.0                           | 6.4                     | 535  |
|        | 18-20             | 21.7                                              |   |   | 28.5 |   |   |   |   |   | 16.0 | 33.8                           | 5.7                     | 281  |
|        | 21-23             | 37.5                                              |   |   | 24.5 |   |   |   |   |   | 12.3 | 25.7                           | 4.4                     | 253  |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
| TOTALS |                   | 25.8                                              |   |   | 24.6 |   |   |   |   |   | 22.1 | 27.3                           | 5.5                     | 2604 |

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**D**

VANDENBERG AFB CA

73-79

FEB

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## SKY COVER

MAR

MONTH

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |   |   |      |   |   |   |   |   |      | MEAN<br>TENTHS OF<br>SKY COVER | TOTAL<br>NO. OF<br>OBS. |      |
|--------|-------------------|---------------------------------------------------|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
|        |                   | 0                                                 | 1 | 2 | 3    | 4 | 5 | 6 | 7 | 8 | 9    |                                |                         | 10   |
| MAR    | 00-02             | 26.0                                              |   |   | 32.0 |   |   |   |   |   | 19.0 | 23.0                           | 5.0                     | 100  |
|        | 03-05             | 28.0                                              |   |   | 30.0 |   |   |   |   |   | 18.0 | 24.0                           | 4.9                     | 100  |
|        | 06-08             | 15.5                                              |   |   | 26.0 |   |   |   |   |   | 22.9 | 35.6                           | 6.4                     | 362  |
|        | 09-11             | 15.0                                              |   |   | 25.3 |   |   |   |   |   | 26.7 | 33.0                           | 6.5                     | 494  |
|        | 12-14             | 12.3                                              |   |   | 29.4 |   |   |   |   |   | 24.3 | 34.0                           | 6.5                     | 497  |
|        | 15-17             | 8.9                                               |   |   | 34.1 |   |   |   |   |   | 22.0 | 35.0                           | 6.5                     | 492  |
|        | 18-20             | 11.2                                              |   |   | 22.8 |   |   |   |   |   | 31.1 | 35.0                           | 7.0                     | 206  |
|        | 21-23             | 17.3                                              |   |   | 25.3 |   |   |   |   |   | 23.5 | 34.0                           | 6.3                     | 162  |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
| TOTALS |                   | 16.8                                              |   |   | 28.1 |   |   |   |   |   | 23.4 | 31.7                           | 6.1                     | 2413 |

## SKY COVER

93214  
STATION

VANDENBERG AFB CA

73-78

APR

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |   |   |      |   |   |   |   |   |      | MEAN<br>TENTHS OF<br>SKY COVER | TOTAL<br>NO. OF<br>OBS. |      |
|--------|-------------------|---------------------------------------------------|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
|        |                   | 0                                                 | 1 | 2 | 3    | 4 | 5 | 6 | 7 | 8 | 9    | 10                             |                         |      |
| APR    | 00-02             | 36.7                                              |   |   | 12.2 |   |   |   |   |   | 16.7 | 34.4                           | 5.3                     | 90   |
|        | 03-05             | 32.2                                              |   |   | 7.8  |   |   |   |   |   | 14.4 | 45.6                           | 6.1                     | 90   |
|        | 06-08             | 27.2                                              |   |   | 19.4 |   |   |   |   |   | 14.2 | 39.3                           | 5.8                     | 346  |
|        | 09-11             | 23.9                                              |   |   | 26.9 |   |   |   |   |   | 17.6 | 31.6                           | 5.6                     | 465  |
|        | 12-14             | 24.7                                              |   |   | 34.8 |   |   |   |   |   | 18.3 | 22.2                           | 4.9                     | 465  |
|        | 15-17             | 18.1                                              |   |   | 38.6 |   |   |   |   |   | 21.2 | 22.1                           | 5.3                     | 453  |
|        | 18-20             | 24.7                                              |   |   | 30.1 |   |   |   |   |   | 15.1 | 20.1                           | 5.3                     | 186  |
|        | 21-23             | 37.3                                              |   |   | 19.0 |   |   |   |   |   | 9.8  | 34.0                           | 4.8                     | 153  |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
| TOTALS |                   | 28.1                                              |   |   | 23.6 |   |   |   |   |   | 15.9 | 32.4                           | 5.4                     | 2248 |



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MAY

MON-IM

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## SKY COVER

JUN  
MON

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |   |   |      |   |   |   |   |   |      | MEAN<br>TENTHS OF<br>SKY COVER | TOTAL<br>NO. OF<br>OBS. |      |
|--------|-------------------|---------------------------------------------------|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
|        |                   | 0                                                 | 1 | 2 | 3    | 4 | 5 | 6 | 7 | 8 | 9    |                                |                         | 10   |
| JUN    | 00-02             | 27.8                                              |   |   | 7.8  |   |   |   |   |   | 5.6  | 58.9                           | 6.6                     | 90   |
|        | 03-05             | 25.6                                              |   |   | 6.7  |   |   |   |   |   | 4.4  | 63.3                           | 6.9                     | 90   |
|        | 06-08             | 16.6                                              |   |   | 11.3 |   |   |   |   |   | 11.3 | 60.8                           | 7.4                     | 362  |
|        | 09-11             | 23.1                                              |   |   | 22.9 |   |   |   |   |   | 15.6 | 38.4                           | 5.9                     | 450  |
|        | 12-14             | 24.3                                              |   |   | 31.0 |   |   |   |   |   | 25.0 | 19.7                           | 5.1                     | 452  |
|        | 15-17             | 24.3                                              |   |   | 25.7 |   |   |   |   |   | 21.8 | 28.2                           | 5.6                     | 362  |
|        | 18-20             | 26.1                                              |   |   | 12.8 |   |   |   |   |   | 12.8 | 48.3                           | 6.4                     | 180  |
|        | 21-23             | 27.3                                              |   |   | 6.0  |   |   |   |   |   | 12.7 | 54.0                           | 6.7                     | 150  |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
| TOTALS |                   | 24.4                                              |   |   | 15.5 |   |   |   |   |   | 13.7 | 46.5                           | 6.3                     | 2136 |

## SKY COVER

JUL

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |   |   |      |   |   |   |   |   |      | MEAN<br>TENTHS OF<br>SKY COVER | TOTAL<br>NO. OF<br>OBS. |      |
|--------|-------------------|---------------------------------------------------|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
|        |                   | 0                                                 | 1 | 2 | 3    | 4 | 5 | 6 | 7 | 8 | 9    |                                |                         | 10   |
| JUL    | 00-02             | 16.1                                              |   |   | 7.5  |   |   |   |   |   | 7.5  | 68.8                           | 7.8                     | 93   |
|        | 03-05             | 11.8                                              |   |   | 5.4  |   |   |   |   |   | 1.1  | 81.7                           | 8.4                     | 93   |
|        | 06-08             | 8.8                                               |   |   | 10.5 |   |   |   |   |   | 6.3  | 74.4                           | 8.3                     | 351  |
|        | 09-11             | 22.5                                              |   |   | 22.8 |   |   |   |   |   | 10.3 | 44.4                           | 6.1                     | 435  |
|        | 12-14             | 22.3                                              |   |   | 40.7 |   |   |   |   |   | 19.1 | 17.9                           | 4.7                     | 435  |
|        | 15-17             | 19.9                                              |   |   | 35.5 |   |   |   |   |   | 25.3 | 19.3                           | 5.3                     | 352  |
|        | 18-20             | 24.7                                              |   |   | 17.7 |   |   |   |   |   | 10.8 | 46.8                           | 6.2                     | 186  |
|        | 21-23             | 20.6                                              |   |   | 12.9 |   |   |   |   |   | 3.9  | 62.6                           | 7.0                     | 155  |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
| TOTALS |                   | 18.3                                              |   |   | 19.1 |   |   |   |   |   | 10.5 | 52.0                           | 6.7                     | 2100 |

## SKY COVER

AUG  
MON

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |   |   |      |   |   |   |   |   |      | MEAN<br>TENTHS OF<br>SKY COVER | TOTAL<br>NO. OF<br>OBS. |      |
|--------|-------------------|---------------------------------------------------|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
|        |                   | 0                                                 | 1 | 2 | 3    | 4 | 5 | 6 | 7 | 8 | 9    |                                |                         | 10   |
| AUG    | 00-02             | 11.5                                              |   |   | 5.2  |   |   |   |   |   | 8.3  | 75.0                           | 8.4                     | 96   |
|        | 03-05             | 8.5                                               |   |   |      |   |   |   |   |   | 8.5  | 83.0                           | 9.1                     | 94   |
|        | 06-08             | 3.3                                               |   |   | 6.5  |   |   |   |   |   | 6.8  | 83.4                           | 9.1                     | 367  |
|        | 09-11             | 14.2                                              |   |   | 21.6 |   |   |   |   |   | 17.9 | 46.4                           | 6.9                     | 459  |
|        | 12-14             | 18.8                                              |   |   | 38.0 |   |   |   |   |   | 26.9 | 16.3                           | 5.2                     | 453  |
|        | 15-17             | 15.1                                              |   |   | 32.1 |   |   |   |   |   | 29.9 | 23.0                           | 6.0                     | 365  |
|        | 18-20             | 15.1                                              |   |   | 2.7  |   |   |   |   |   | 13.5 | 68.6                           | 8.2                     | 185  |
|        | 21-23             | 14.7                                              |   |   | 5.8  |   |   |   |   |   | 5.1  | 74.4                           | 8.1                     | 156  |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
| TOTALS |                   | 12.7                                              |   |   | 14.0 |   |   |   |   |   | 14.6 | 58.8                           | 7.6                     | 2175 |

## SKY COVER

93214

VANDENBERG AFB CA

73-78

SEP

STATION

STATION NAME

PERIOD

MON 14

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |   |   |      |   |   |   |   |   |      | MEAN<br>TENTHS OF<br>SKY COVER | TOTAL<br>NO. OF<br>OBS. |      |
|--------|-------------------|---------------------------------------------------|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
|        |                   | 0                                                 | 1 | 2 | 3    | 4 | 5 | 6 | 7 | 8 | 9    |                                |                         | 10   |
| SEP    | 00-02             |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
|        | 03-05             |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
|        | 06-08             | 15.6                                              |   |   | 11.9 |   |   |   |   |   | 8.0  | 64.5                           | 7.5                     | 352  |
|        | 09-11             | 22.5                                              |   |   | 22.0 |   |   |   |   |   | 14.2 | 41.3                           | 6.1                     | 431  |
|        | 12-14             | 23.3                                              |   |   | 33.5 |   |   |   |   |   | 15.5 | 27.7                           | 5.2                     | 433  |
|        | 15-17             | 19.6                                              |   |   | 32.3 |   |   |   |   |   | 18.2 | 30.0                           | 5.6                     | 347  |
|        | 18-20             | 23.9                                              |   |   | 15.0 |   |   |   |   |   | 6.7  | 54.4                           | 6.5                     | 180  |
|        | 21-23             | 24.0                                              |   |   | 9.9  |   |   |   |   |   | 6.6  | 59.5                           | 6.8                     | 121  |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
| TOTALS |                   | 21.5                                              |   |   | 20.6 |   |   |   |   |   | 11.5 | 46.2                           | 6.3                     | 1864 |

**USAFETAC**

FORM 0-9-5 (OL A)  
JUL 64

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

## SKY COVER

NET

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |   |   |      |   |   |   |   |   |      | MEAN<br>TENTHS OF<br>SKY COVER | TOTAL<br>NO. OF<br>OBS. |      |
|--------|-------------------|---------------------------------------------------|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
|        |                   | 0                                                 | 1 | 2 | 3    | 4 | 5 | 6 | 7 | 8 | 9    |                                |                         | 10   |
| OCT    | 00-02             |                                                   |   |   | 41.7 |   |   |   |   |   | 8.3  | 50.0                           | 7.0                     | 12   |
|        | 03-05             | 5.0                                               |   |   | 38.9 |   |   |   |   |   | 5.6  | 50.0                           | 6.7                     | 18   |
|        | 06-08             | 28.5                                              |   |   | 15.1 |   |   |   |   |   | 12.5 | 43.9                           | 6.0                     | 351  |
|        | 09-11             | 28.0                                              |   |   | 22.2 |   |   |   |   |   | 17.8 | 31.9                           | 5.5                     | 432  |
|        | 12-14             | 27.3                                              |   |   | 31.0 |   |   |   |   |   | 23.6 | 18.1                           | 4.9                     | 432  |
|        | 15-17             | 24.4                                              |   |   | 32.6 |   |   |   |   |   | 26.0 | 17.0                           | 5.0                     | 365  |
|        | 18-20             | 23.0                                              |   |   | 26.5 |   |   |   |   |   | 19.0 | 31.5                           | 5.7                     | 200  |
|        | 21-23             | 32.9                                              |   |   | 15.8 |   |   |   |   |   | 18.5 | 32.9                           | 5.4                     | 146  |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
| TOTALS |                   | 21.2                                              |   |   | 28.0 |   |   |   |   |   | 16.4 | 34.4                           | 5.8                     | 1956 |

## SKY COVER

93214  
STATION

VANDENBERG AFB CA

73-78

NUV  
MONTE

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |   |   |      |   |   |   |   |   |      | MEAN<br>TENTHS OF<br>SKY COVER | TOTAL<br>NO. OF<br>OBS. |      |
|--------|-------------------|---------------------------------------------------|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
|        |                   | 0                                                 | 1 | 2 | 3    | 4 | 5 | 6 | 7 | 8 | 9    |                                |                         | 10   |
| NOV    | 00-02             |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
|        | 03-05             |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
|        | 06-08             | 33.2                                              |   |   | 24.3 |   |   |   |   |   | 21.3 | 21.3                           | 4.8                     | 202  |
|        | 09-11             | 31.4                                              |   |   | 34.3 |   |   |   |   |   | 16.1 | 16.2                           | 4.3                     | 423  |
|        | 12-14             | 27.4                                              |   |   | 33.7 |   |   |   |   |   | 22.2 | 16.7                           | 4.7                     | 424  |
|        | 15-17             | 23.7                                              |   |   | 32.3 |   |   |   |   |   | 24.9 | 19.1                           | 5.1                     | 418  |
|        | 18-20             | 34.4                                              |   |   | 27.2 |   |   |   |   |   | 12.8 | 25.6                           | 4.5                     | 180  |
|        | 21-23             | 47.2                                              |   |   | 14.0 |   |   |   |   |   | 14.0 | 24.7                           | 4.2                     | 178  |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
| TOTALS |                   | 32.9                                              |   |   | 27.6 |   |   |   |   |   | 18.6 | 20.9                           | 4.6                     | 1825 |

## SKY COVER

DEC  
MON

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |   |   |      |   |   |   |   |   |      | MEAN<br>TENTHS OF<br>SKY COVER | TOTAL<br>NO. OF<br>OBS. |      |
|--------|-------------------|---------------------------------------------------|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
|        |                   | 0                                                 | 1 | 2 | 3    | 4 | 5 | 6 | 7 | 8 | 9    |                                |                         | 10   |
| JEC    | 00-02             |                                                   |   |   |      |   |   |   |   |   |      | 100.0                          | 10.0                    | 3    |
|        | 03-05             |                                                   |   |   |      |   |   |   |   |   |      | 100.0                          | 10.0                    | 3    |
|        | 06-08             | 19.0                                              |   |   | 31.4 |   |   |   |   |   | 24.3 | 25.2                           | 5.7                     | 210  |
|        | 09-11             | 24.5                                              |   |   | 29.8 |   |   |   |   |   | 22.0 | 23.6                           | 5.2                     | 440  |
|        | 12-14             | 19.5                                              |   |   | 36.2 |   |   |   |   |   | 22.4 | 21.9                           | 5.3                     | 442  |
|        | 15-17             | 18.2                                              |   |   | 32.9 |   |   |   |   |   | 23.7 | 25.3                           | 5.6                     | 435  |
|        | 18-20             | 25.1                                              |   |   | 29.7 |   |   |   |   |   | 19.5 | 25.6                           | 5.2                     | 195  |
|        | 21-23             | 20.0                                              |   |   | 28.9 |   |   |   |   |   | 20.5 | 20.5                           | 4.8                     | 190  |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
|        |                   |                                                   |   |   |      |   |   |   |   |   |      |                                |                         |      |
| TOTALS |                   | 17.0                                              |   |   | 23.0 |   |   |   |   |   | 16.6 | 42.8                           | 6.5                     | 1918 |



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SKY COVER

93214  
STATIONVANDENBERG AFB CA  
STATION NAME73-79  
PERIODALL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |   |   |      |   |   |   |   |   |      |      | MEAN<br>TENTHS OF<br>SKY COVER | TOTAL<br>NO. OF<br>OBS |
|--------|-------------------|---------------------------------------------------|---|---|------|---|---|---|---|---|------|------|--------------------------------|------------------------|
|        |                   | 0                                                 | 1 | 2 | 3    | 4 | 5 | 6 | 7 | 8 | 9    | 10   |                                |                        |
| JAN    | ALL               | 25.8                                              |   |   | 24.8 |   |   |   |   |   | 22.1 | 27.3 | 5.5                            | 2664                   |
| FEB    |                   | 16.5                                              |   |   | 30.0 |   |   |   |   |   | 25.4 | 28.2 | 6.0                            | 2199                   |
| MAR    |                   | 16.6                                              |   |   | 28.1 |   |   |   |   |   | 23.4 | 31.7 | 6.1                            | 2413                   |
| APR    |                   | 28.1                                              |   |   | 23.6 |   |   |   |   |   | 15.9 | 32.4 | 5.4                            | 2248                   |
| MAY    |                   | 17.7                                              |   |   | 20.0 |   |   |   |   |   | 13.3 | 49.1 | 6.7                            | 2279                   |
| JUN    |                   | 24.4                                              |   |   | 15.5 |   |   |   |   |   | 13.7 | 46.5 | 6.3                            | 2136                   |
| JUL    |                   | 18.3                                              |   |   | 19.1 |   |   |   |   |   | 10.5 | 52.0 | 6.7                            | 2100                   |
| AUG    |                   | 12.7                                              |   |   | 14.0 |   |   |   |   |   | 14.6 | 58.8 | 7.6                            | 2175                   |
| SEP    |                   | 21.5                                              |   |   | 20.8 |   |   |   |   |   | 11.5 | 46.2 | 6.3                            | 1864                   |
| OCT    |                   | 21.2                                              |   |   | 28.0 |   |   |   |   |   | 16.4 | 34.4 | 5.8                            | 1956                   |
| NOV    |                   | 32.9                                              |   |   | 27.0 |   |   |   |   |   | 18.6 | 20.9 | 4.6                            | 1825                   |
| DEC    |                   | 17.0                                              |   |   | 23.6 |   |   |   |   |   | 16.6 | 42.8 | 6.5                            | 1918                   |
| TOTALS |                   | 21.1                                              |   |   | 22.9 |   |   |   |   |   | 16.8 | 39.2 | 6.1                            | 25777                  |

USAFETAC

FORM  
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

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 measurements for incomplete months.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

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

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma_x$ ). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

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.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC  
93214 VANDENBERG AFB CA  
STATION STATION NAME

# DAILY TEMPERATURES

6-7

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

AAI

| TEMP °F   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANNUAL |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 100       |       |       |       |       |       |       |       |       | .2    |       |       |       | .0     |
| 95        |       |       |       |       |       | .2    |       | .2    | .5    | .5    |       |       | .1     |
| 90        |       |       |       | .2    | .2    | .5    |       | 1.7   | 2.3   |       |       |       | .4     |
| 85        |       |       | .2    | .7    | .3    | .7    | .2    | .3    | 4.0   | 4.7   | .3    | .3    | 1.0    |
| 80        | .3    | .5    | .5    | 1.6   | 1.0   | 1.3   | .3    | 1.0   | 7.4   | 8.3   | 4.0   | 1.3   | 2.4    |
| 75        | 5.4   | 2.0   | 3.0   | 4.0   | 2.2   | 2.5   | 2.6   | 3.9   | 13.9  | 17.5  | 10.9  | 4.3   | 5.9    |
| 70        | 11.4  | 6.2   | 7.0   | 6.3   | 4.7   | 6.4   | 9.7   | 17.4  | 27.5  | 34.2  | 24.1  | 12.4  | 14.4   |
| 65        | 22.8  | 20.2  | 18.9  | 19.6  | 12.7  | 30.1  | 43.0  | 61.9  | 67.7  | 67.6  | 44.7  | 28.6  | 36.3   |
| 60        | 48.8  | 50.6  | 44.4  | 47.9  | 55.0  | 84.6  | 94.3  | 97.7  | 97.5  | 95.4  | 79.9  | 56.6  | 71.3   |
| 55        | 53.4  | 88.3  | 87.5  | 91.5  | 94.3  | 99.4  | 100.0 | 99.8  | 100.0 | 99.8  | 95.8  | 86.7  | 94.5   |
| 50        | 88.9  | 99.5  | 99.7  | 99.4  | 100.0 | 100.0 |       | 100.0 |       | 100.0 | 100.0 | 98.4  | 99.7   |
| 45        | 99.7  | 100.0 | 100.0 | 100.0 |       |       |       |       |       |       |       | 99.8  | 100.0  |
| 40        | 100.0 |       |       |       |       |       |       |       |       |       |       | 100.0 | 100.0  |
| 35        |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 30        |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 25        |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 20        |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 15        |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 10        |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 5         |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 0         |       |       |       |       |       |       |       |       |       |       |       |       |        |
| MEAN      | 60.5  | 60.4  | 60.1  | 60.5  | 60.6  | 63.2  | 64.4  | 65.1  | 67.1  | 67.5  | 65.1  | 61.4  | 63.3   |
| S D       | 6.711 | 6.571 | 5.769 | 6.672 | 4.762 | 4.635 | 3.729 | 4.143 | 6.236 | 7.417 | 5.795 | 6.571 | 6.572  |
| TOTAL OBS | 613   | 552   | 602   | 576   | 541   | 540   | 413   | 620   | 597   | 612   | 557   | 415   | 717    |

AIR FORCE CLIMATE DATA  
 USAF TAC  
 AIR WEATHER SERVICE/AC  
 53214 VANDERBILT AFB GA  
 STATION STATION NAME

# DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM DAILY OBSERVATIONS)

| TEMP °F    | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANNUAL |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 80         |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 75         |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 70         |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 65         |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 60         |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 55         |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 50         |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 45         |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 40         |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 35         |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 30         |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 25         |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 20         |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 15         |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 10         |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 5          |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 0          |       |       |       |       |       |       |       |       |       |       |       |       |        |
| -5         |       |       |       |       |       |       |       |       |       |       |       |       |        |
| -10        |       |       |       |       |       |       |       |       |       |       |       |       |        |
| -15        |       |       |       |       |       |       |       |       |       |       |       |       |        |
| -20        |       |       |       |       |       |       |       |       |       |       |       |       |        |
| -25        |       |       |       |       |       |       |       |       |       |       |       |       |        |
| -30        |       |       |       |       |       |       |       |       |       |       |       |       |        |
| -35        |       |       |       |       |       |       |       |       |       |       |       |       |        |
| -40        |       |       |       |       |       |       |       |       |       |       |       |       |        |
| -45        |       |       |       |       |       |       |       |       |       |       |       |       |        |
| -50        |       |       |       |       |       |       |       |       |       |       |       |       |        |
| -55        |       |       |       |       |       |       |       |       |       |       |       |       |        |
| -60        |       |       |       |       |       |       |       |       |       |       |       |       |        |
| -65        |       |       |       |       |       |       |       |       |       |       |       |       |        |
| -70        |       |       |       |       |       |       |       |       |       |       |       |       |        |
| -75        |       |       |       |       |       |       |       |       |       |       |       |       |        |
| -80        |       |       |       |       |       |       |       |       |       |       |       |       |        |
| -85        |       |       |       |       |       |       |       |       |       |       |       |       |        |
| -90        |       |       |       |       |       |       |       |       |       |       |       |       |        |
| -95        |       |       |       |       |       |       |       |       |       |       |       |       |        |
| -100       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| MEAN       | 44.0  | 44.0  | 44.9  | 46.1  | 49.1  | 51.7  | 53.7  | 54.1  | 54.1  | 51.0  | 47.4  | 46.3  | 49.0   |
| S.D.       | 6.140 | 5.101 | 4.988 | 4.413 | 3.675 | 3.628 | 2.600 | 2.691 | 3.867 | 4.714 | 5.858 | 5.227 | 5.901  |
| TOTAL OBS. | 613   | 583   | 602   | 576   | 501   | 498   | 610   | 620   | 597   | 612   | 593   | 615   | 7190   |

## DAILY TEMPERATURES

P-71

FEARS

74

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

| TEMP. °F   | JAN.  | FEB.  | MAR.  | APR.  | MAY   | JUN.  | JUL.  | AUG.  | SEP.  | OCT.  | NOV.  | DEC.  | ANNUAL |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 65         |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 60         |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 75         |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 70         | .3    | .2    | .3    | .7    | 1.4   | 1.7   | .2    | .6    | 1.8   | 1.6   | .2    | .5    | 1.5    |
| 65         | 1.8   | 1.6   | 1.7   | 2.1   | 1.8   | 2.2   | 1.0   | 6.9   | 17.1  | 15.4  | 7.4   | 2.3   | 5.5    |
| 60         | 9.1   | 5.7   | 9.0   | 9.9   | 7.4   | 23.2  | 35.2  | 69.7  | 62.6  | 54.6  | 25.2  | 17.2  | 26.0   |
| 55         | 54.4  | 32.1  | 32.1  | 37.3  | 54.8  | 88.4  | 97.0  | 99.7  | 99.0  | 91.0  | 84.2  | 58.9  | 84.4   |
| 50         | 59.5  | 79.0  | 82.7  | 88.7  | 99.2  | 100.0 | 100.0 | 100.0 | 100.0 | 99.7  | 94.9  | 72.1  | 70.0   |
| 45         | 54.1  | 99.1  | 98.8  | 99.8  | 100.0 |       |       |       |       | 100.0 | 99.8  | 95.0  | 93.9   |
| 40         | 59.7  | 100.0 | 100.0 | 100.0 |       |       |       |       |       |       | 100.0 | 99.5  | 99.9   |
| 35         | 100.0 |       |       |       |       |       |       |       |       |       |       | 100.0 | 100.0  |
| 30         |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 25         |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 20         |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 15         |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 10         |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 5          |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 0          |       |       |       |       |       |       |       |       |       |       |       |       |        |
| MEAN       | 52.5  | 52.0  | 53.2  | 54.0  | 55.5  | 57.7  | 55.4  | 60.4  | 61.3  | 60.4  | 58.5  | 57.1  | 56.4   |
| S. D.      | 5.35  | 4.15  | 4.40  | 4.30  | 3.45  | 1.50  | 2.12  | 2.76  | 4.40  | 4.99  | 5.27  | 5.62  | 5.15   |
| TOTAL OBS. | 613   | 500   | 602   | 575   | 591   | 597   | 10    | 620   | 597   | 612   | 597   | 613   | 717    |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

MAXIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

93214 VANDENBERG AFB CA  
STATION STATION NAME

58-79

YEARS

WHOLE DEGREES FAHRENHEIT

| MONTH | JAN   | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------|
| YEAR  |       |     |     |     |     |     |     |     |     |     |     |     |            |
| 58    |       |     |     |     | *   | 70  | 70  | 82  | 92  | 83  | 82  | 87  |            |
| 59    | 73    | 70  | 79  | 88  | 74  | 67  | 85  | 79  | 71  | 90  | 82  | 81  | 90         |
| 60    | 73    | 71  | 78  | 83  | 72  | 75  | 78  | 72  | 79  | 83  | 67  | 72  | 83         |
| 61    | 77    | 72  | 68  | 77  | 66  | 76  | 76  | 74  | 89  | 93  | 77  | 73  | 93         |
| 62    | 78    | 61  | 67  | 78  | 66  | 75  | 66  | 96  | 75  | 80  | 76  | 80  | 96         |
| 63    | 74    | 78  | 73  | 69  | 67  | 66  | 72  | 75  | 85  | 77  | 83  | 80  | 85         |
| 64    | 67    | 75  | 73  | 84  | 63  | 67  | 75  | 73  | 89  | 95  | 78  | 66  | 95         |
| 65    | 74    | 76  | 67  | 75  | 67  | 66  | 71  | 78  | 87  | 99  | 70  | 75  | 99         |
| 66    | 71    | 70  | 76  | 90  | 65  | 77  | 70  | 73  | 84  | 94  | 87  | 73  | 94         |
| 67    | 75    | 73  | 64  | 61  | 88  | 64  | 73  | 75  | 85  | 90  | 84  | 73  | 90         |
| 68    | 76    | 74  | 74  | 86  | 72  | 72  | 73  | 85  | 98  | 88  | 80  | 75  | 98         |
| 69    | 73    | 66  | 77  | 69  | 69  | 71  | 73  | 76  | 76  | 84  | 79  | 77  | 84         |
| 70    | 66    | 68  | 70  | 76  | 93  | 73  | 75  | 73  | 100 | 83  | 80  | 69  | 100        |
| 71    | 83    | 83  | 77  | 83  | 65  | 77  | 76  | 83  | 89  | 97  | 81  | 66  | 97         |
| 72    | 71    | 70  | 77  | 75  | 71  | 79  | 75  | 80  | 82  | 88  | 76  | 72  | 88         |
| 73    | 74    | 72  | 63  | 77  | 78  | 92  | 78  | 69  | 93  | 86  | 81  | 74  | 93         |
| 74    | 73    | 70  | 71  | 76  | 73  | 71  | 74  | 70  | 73  | 86  | 83  | 72  | 86         |
| 75    | 78    | 64  | 62  | 65  | 70* | 68* | 69* | 75* | 92* | 81* | 79* | 86  | * 92       |
| 76    | * 82* | 68* | 79* | 68* | 84* | 98* | 69* | 73* | 80* | 84* | 84* | 78  | * 98       |
| 77    | * 77* | 77* | 68* | 71* | 65* | 68* | 80* | 80* | 78* | 78* | 81* | 81  | * 81       |
| 78    | * 66* | 69* | 87* | 68* | 82* | 70* | 68* | 75* | 87* | 79* | 74* | 69  | * 87       |
| 79    | * 67* | 62  |     |     |     |     |     |     |     |     |     |     |            |
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USAF ETAC FORM 0-88-5 (OLA)



## PSYCHROMETRIC SUMMARY

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## PSYCHROMETRIC SUMMARY

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STATION STATION NAME

68-70, 73, 78

YEARS

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## PSYCHROMETRIC SUMMARY

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## PSYCHROMETRIC SUMMARY

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## PSYCHROMETRIC SUMMARY

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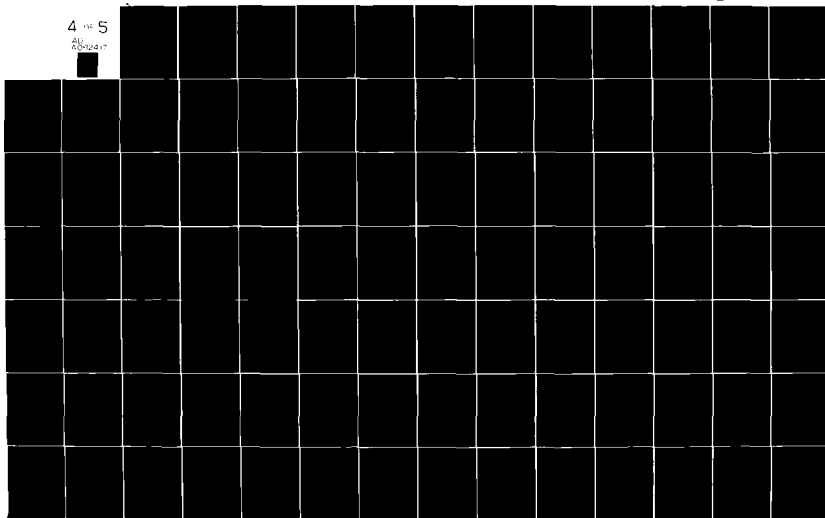
AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC P/S S/P  
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# PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA

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| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |      |       |      |      |            |       |       |       |       |       |          |       |       |                                    |    |           |          |          |           |        |  |  |        |  |  |        |  |  |       | TOTAL |  | TOTAL |  |
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|              | 0                                   | 1-2  | 3-4  | 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                              | 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |        |  |  |        |  |  |        |  |  |       |       |  |       |  |
| 78/ 77       |                                     |      |      |       |      |      |            |       |       |       |       |       | .1       |       | .5    |                                    |    | 5         | 5        |          |           |        |  |  |        |  |  |        |  |  |       |       |  |       |  |
| 76/ 75       |                                     |      |      |       |      |      |            |       |       |       |       | .2    | .1       |       |       |                                    |    | 3         | 3        |          |           |        |  |  |        |  |  |        |  |  |       |       |  |       |  |
| 74/ 73       |                                     |      |      |       |      |      |            |       | .1    |       | .4    | .2    | .2       |       |       |                                    |    | 8         | 8        |          |           |        |  |  |        |  |  |        |  |  |       |       |  |       |  |
| 72/ 71       |                                     |      |      |       |      |      |            | .1    | .1    |       | .2    | .4    |          |       |       |                                    |    | 7         | 7        |          |           |        |  |  |        |  |  |        |  |  |       |       |  |       |  |
| 70/ 69       |                                     |      |      |       |      |      |            | .1    | .4    | .2    | .6    |       |          |       |       |                                    |    | 11        | 11       |          |           |        |  |  |        |  |  |        |  |  |       |       |  |       |  |
| 68/ 67       |                                     |      |      |       | .1   | .1   |            | .6    | .4    | .4    | .2    |       |          |       |       |                                    |    | 15        | 15       |          |           |        |  |  |        |  |  |        |  |  |       |       |  |       |  |
| 66/ 65       |                                     | .1   |      | .1    |      | .2   | .6         | .1    | .9    | .5    |       |       |          |       |       |                                    |    | 21        | 21       |          |           |        |  |  |        |  |  |        |  |  |       |       |  |       |  |
| 64/ 63       |                                     |      |      | .2    | .1   | .9   | .7         | .6    | .4    | .1    | .1    |       |          |       |       |                                    |    | 26        | 27       |          | 1         |        |  |  |        |  |  |        |  |  |       |       |  |       |  |
| 62/ 61       |                                     | .2   | .2   | .7    | 1.0  | 1.1  | .7         | .9    | .1    | .1    |       |       |          |       |       |                                    |    | 42        | 42       |          | 1         |        |  |  |        |  |  |        |  |  |       |       |  |       |  |
| 60/ 59       |                                     | 2.3  | 1.6  | 3.1   | 1.5  | 1.4  | 1.1        | .5    | .1    |       |       |       |          |       |       |                                    |    | 94        | 94       | 10       | 1         |        |  |  |        |  |  |        |  |  |       |       |  |       |  |
| 58/ 57       | .1                                  | 2.6  | 3.4  | 3.0   | 1.7  | 1.8  | 1.0        | .1    |       |       |       |       |          |       |       |                                    |    | 112       | 112      | 26       | 13        |        |  |  |        |  |  |        |  |  |       |       |  |       |  |
| 56/ 55       | .2                                  | 4.1  | 5.0  | 3.0   | 2.5  | 1.2  | .5         | .2    |       |       |       |       |          |       |       |                                    |    | 136       | 136      | 64       | 34        |        |  |  |        |  |  |        |  |  |       |       |  |       |  |
| 54/ 53       | .4                                  | 3.2  | 5.0  | 4.2   | 2.1  | 1.0  | .5         | .1    |       |       |       |       |          |       |       |                                    |    | 134       | 134      | 138      | 34        |        |  |  |        |  |  |        |  |  |       |       |  |       |  |
| 52/ 51       | .2                                  | 4.1  | 4.2  | 2.2   | 1.2  | 1.0  | .4         |       |       |       |       |       |          |       |       |                                    |    | 108       | 108      | 139      | 53        |        |  |  |        |  |  |        |  |  |       |       |  |       |  |
| 50/ 49       | .1                                  | 1.0  | 2.7  | 1.7   | 1.0  | .4   |            |       |       |       |       |       |          |       |       |                                    |    | 56        | 56       | 154      | 112       |        |  |  |        |  |  |        |  |  |       |       |  |       |  |
| 48/ 47       |                                     | .6   | .9   | 1.1   | .5   | .2   |            |       |       |       |       |       |          |       |       |                                    |    | 27        | 27       | 121      | 76        |        |  |  |        |  |  |        |  |  |       |       |  |       |  |
| 46/ 45       |                                     | .4   | .4   | .1    |      |      |            |       |       |       |       |       |          |       |       |                                    |    | 7         | 7        | 77       | 92        |        |  |  |        |  |  |        |  |  |       |       |  |       |  |
| 44/ 43       |                                     | .1   |      |       |      |      |            |       |       |       |       |       |          |       |       |                                    |    | 1         | 1        | 45       | 71        |        |  |  |        |  |  |        |  |  |       |       |  |       |  |
| 42/ 41       |                                     |      |      |       |      |      |            |       |       |       |       |       |          |       |       |                                    |    |           |          | 31       | 64        |        |  |  |        |  |  |        |  |  |       |       |  |       |  |
| 40/ 39       |                                     |      |      |       |      |      |            |       |       |       |       |       |          |       |       |                                    |    |           |          | 7        | 55        |        |  |  |        |  |  |        |  |  |       |       |  |       |  |
| 38/ 37       |                                     |      |      |       |      |      |            |       |       |       |       |       |          |       |       |                                    |    |           |          |          | 49        |        |  |  |        |  |  |        |  |  |       |       |  |       |  |
| 36/ 35       |                                     |      |      |       |      |      |            |       |       |       |       |       |          |       |       |                                    |    |           |          |          | 52        |        |  |  |        |  |  |        |  |  |       |       |  |       |  |
| 34/ 33       |                                     |      |      |       |      |      |            |       |       |       |       |       |          |       |       |                                    |    |           |          |          | 33        |        |  |  |        |  |  |        |  |  |       |       |  |       |  |
| 32/ 31       |                                     |      |      |       |      |      |            |       |       |       |       |       |          |       |       |                                    |    |           |          |          | 25        |        |  |  |        |  |  |        |  |  |       |       |  |       |  |
| 30/ 29       |                                     |      |      |       |      |      |            |       |       |       |       |       |          |       |       |                                    |    |           |          |          | 13        |        |  |  |        |  |  |        |  |  |       |       |  |       |  |
| 28/ 27       |                                     |      |      |       |      |      |            |       |       |       |       |       |          |       |       |                                    |    |           |          |          | 17        |        |  |  |        |  |  |        |  |  |       |       |  |       |  |
| 26/ 25       |                                     |      |      |       |      |      |            |       |       |       |       |       |          |       |       |                                    |    |           |          |          | 7         |        |  |  |        |  |  |        |  |  |       |       |  |       |  |
| 24/ 23       |                                     |      |      |       |      |      |            |       |       |       |       |       |          |       |       |                                    |    |           |          |          | 8         |        |  |  |        |  |  |        |  |  |       |       |  |       |  |
| 22/ 21       |                                     |      |      |       |      |      |            |       |       |       |       |       |          |       |       |                                    |    |           |          |          | 1         |        |  |  |        |  |  |        |  |  |       |       |  |       |  |
| 20/ 19       |                                     |      |      |       |      |      |            |       |       |       |       |       |          |       |       |                                    |    |           |          |          | 2         |        |  |  |        |  |  |        |  |  |       |       |  |       |  |
| TOTAL        | 1.1                                 | 18.7 | 23.5 | 19.4  | 11.7 | 9.3  | 5.5        | 3.4   | 2.5   | 1.4   | 1.6   | .9    | .5       |       | .5    |                                    |    | 813       | 814      | 813      | 113       |        |  |  |        |  |  |        |  |  |       |       |  |       |  |
| Element (X)  | Σ X'                                |      |      | Σ X   |      |      | Σ          |       |       | Σ     |       |       | No. Obs. |       |       | Mean No. of Hours with Temperature |    |           |          |          |           |        |  |  |        |  |  |        |  |  |       |       |  |       |  |
| Rel. Hum.    | 3828850                             |      |      | 53432 |      |      | 65.719.764 |       |       | 813   |       |       | ≤ 0 F    |       |       | ≤ 32 F                             |    |           | ≤ 67 F   |          |           | ≤ 73 F |  |  | ≤ 80 F |  |  | ≤ 93 F |  |  | Total |       |  |       |  |
| Dry Bulb     | 2611802                             |      |      | 45882 |      |      | 56.4 5.613 |       |       | 814   |       |       |          |       |       |                                    |    |           | 5.6      |          |           | 1.8    |  |  |        |  |  |        |  |  | 93    |       |  |       |  |
| Wet Bulb     | 2044811                             |      |      | 40637 |      |      | 50.0 4.094 |       |       | 813   |       |       |          |       |       |                                    |    |           |          |          |           |        |  |  |        |  |  |        |  |  | 93    |       |  |       |  |
| Dew Point    | 1592093                             |      |      | 35437 |      |      | 43.6 7.666 |       |       | 813   |       |       |          |       |       | 8.4                                |    |           |          |          |           |        |  |  |        |  |  |        |  |  | 93    |       |  |       |  |

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## PSYCHROMETRIC SUMMARY

93214 STATION VANDENBERG AFB CA STATION NAME

68-70, 73-75

YEARS

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MONTH

PAGE 1 2100-2500  
HOURS (L. S. T.)

[illegible]

YEARS

JAN  
MONTH

PAGE 1

ALL  
HOURS L. S. T.

[illegible]

## PSYCHROMETRIC SUMMARY

58-70, 73-79

Jack  
MONTGOMERY

PAGE 2

ALL  
HOURS (L. S. T.)

[illegible]

**2**

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA  
STATION STATION NAME

43-70, 73

YEARS

FEH  
MONTH

PAGE 1 0000-0200  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

FEU  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

[illegible]

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA

8-70, 73-79

FBI

PAGE 1 0600-0600  
HOURS (L. S. T.)

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA STATION NAME

68-70.73-79 YEARS

FE-5 MONTH

PAGE 1 0900-1100 HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           | TOTAL | TOTAL |  |  |
|--------------|-------------------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-------|-------|--|--|
|              | 0                                   | 1-2  | 3-4  | 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 | ≥ 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |       |       |  |  |
| 76/ 75       |                                     |      |      |      |      |      |       |       |       |       | .1    | .1    |       |       |       |       |      | 2         |          |          |           |       |       |  |  |
| 74/ 73       |                                     |      |      |      |      |      |       |       |       |       | .1    | .1    |       |       |       |       |      | 3         | 3        |          |           |       |       |  |  |
| 72/ 71       |                                     |      |      |      |      | .1   |       | .1    | .1    |       |       |       |       |       |       |       |      | 3         | 3        |          |           |       |       |  |  |
| 70/ 69       |                                     |      |      |      |      |      | .1    | .1    |       | .1    | .3    |       |       |       |       |       |      | 5         | 5        |          |           |       |       |  |  |
| 68/ 67       |                                     |      |      |      |      | .3   | .1    | .3    |       |       |       |       |       |       |       |       |      | 5         | 5        |          |           |       |       |  |  |
| 66/ 65       |                                     |      | .1   |      | .1   | .3   | .4    | .4    | .4    | .3    | .1    |       | .1    |       |       |       |      | 17        | 17       |          |           |       |       |  |  |
| 64/ 63       |                                     |      | .3   | .3   | .6   | .6   | .6    | 1.5   | .4    | .3    |       |       |       |       |       |       |      | 37        | 32       | 1        |           |       |       |  |  |
| 62/ 61       |                                     | .1   | .8   | .6   | .6   | .7   | 1.3   | 1.0   | .1    |       |       |       |       |       |       |       |      | 37        | 37       | 2        |           |       |       |  |  |
| 60/ 59       |                                     | .6   | .8   | 2.4  | 1.3  | 1.5  | 1.5   | .4    | .1    |       |       |       |       |       |       |       |      | 62        | 62       | 5        | 1         |       |       |  |  |
| 58/ 57       |                                     | 2.4  | 4.6  | 2.8  | 2.8  | 1.3  | .7    | .3    |       |       |       |       |       |       |       |       |      | 106       | 106      | 17       | 5         |       |       |  |  |
| 56/ 55       | .4                                  | 3.9  | 5.3  | 3.1  | 2.6  | 1.3  | 1.1   |       |       |       |       |       |       |       |       |       |      | 127       | 127      | 52       | 15        |       |       |  |  |
| 54/ 53       | .3                                  | 3.9  | 4.0  | 3.2  | 1.5  | 1.4  | .3    |       |       |       |       |       |       |       |       |       |      | 105       | 105      | 108      | 36        |       |       |  |  |
| 52/ 51       | .7                                  | 4.0  | 4.9  | 2.8  | 1.4  | .8   | .6    |       |       |       |       |       |       |       |       |       |      | 109       | 109      | 116      | 61        |       |       |  |  |
| 50/ 49       | 1.0                                 | 3.8  | 2.8  | 1.3  |      |      | .3    |       |       |       |       |       |       |       |       |       |      | 65        | 65       | 152      | 98        |       |       |  |  |
| 48/ 47       | .4                                  | 1.0  | .6   | .7   | .3   | .4   |       |       |       |       |       |       |       |       |       |       |      | 24        | 24       | 119      | 83        |       |       |  |  |
| 46/ 45       | .7                                  | .1   | .4   |      | .1   | .1   |       |       |       |       |       |       |       |       |       |       |      | 11        | 11       | 82       | 94        |       |       |  |  |
| 44/ 43       | .3                                  | .4   |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 5         | 5        | 39       | 68        |       |       |  |  |
| 42/ 41       | .1                                  | .1   |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 2         | 2        | 15       | 57        |       |       |  |  |
| 40/ 39       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 7        | 46        |       |       |  |  |
| 38/ 37       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 5        | 39        |       |       |  |  |
| 36/ 35       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 33        |       |       |  |  |
| 34/ 33       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 27        |       |       |  |  |
| 32/ 31       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 24        |       |       |  |  |
| 30/ 29       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 8         |       |       |  |  |
| 28/ 27       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 7         |       |       |  |  |
| 26/ 25       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 6         |       |       |  |  |
| 24/ 23       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |       |       |  |  |
| 22/ 21       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |       |       |  |  |
| 20/ 19       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |       |       |  |  |
| TOTAL        | 3.9                                 | 20.3 | 24.6 | 16.9 | 11.4 | 8.8  | 6.9   | 4.3   | 1.3   | .7    | .7    | .3    | .1    |       |       |       |      | 720       | 720      |          | 720       |       |       |  |  |
|              |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |       |  |  |
|              |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |       |  |  |
|              |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |       |  |  |
|              |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |       |  |  |
|              |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |       |  |  |
|              |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |       |  |  |
|              |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |       |  |  |
|              |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |       |  |  |
|              |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |       |  |  |
|              |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |       |  |  |
|              |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |       |  |  |
|              |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |       |  |  |
|              |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |       |  |  |
|              |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |       |  |  |
|              |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |       |  |  |
|              |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |       |  |  |
|              |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |       |  |  |
|              |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |       |  |  |
|              |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |       |  |  |
|              |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |       |  |  |
|              |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |       |  |  |
|              |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |       |  |  |
|              |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |       |  |  |
|              |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |       |  |  |
|              |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |       |  |  |

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA 68-70, 73-79 FEB MONTH  
STATION STATION NAME YEARS

PAGE 1 1200-1400  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |       |      |      |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          | TOTAL     |  | TOTAL |  |  |
|--------------|-------------------------------------|-----|-------|------|------|------|----------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|------|-----------|----------|----------|-----------|--|-------|--|--|
|              | 0                                   | 1-2 | 3-4   | 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  | ≥ 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |  |       |  |  |
| 78/ 77       |                                     |     |       |      |      |      |                |       |          | .1    |                                    |        |        |        |        |        |      | 1         | 1        |          |           |  |       |  |  |
| 74/ 73       |                                     |     |       |      |      |      | .3             | .1    | .1       | .6    |                                    |        |        |        |        |        |      | 8         | 8        |          |           |  |       |  |  |
| 72/ 71       |                                     |     |       |      |      | .3   | .1             |       | .3       | .3    | .1                                 |        |        |        |        |        |      | 8         | 8        |          |           |  |       |  |  |
| 70/ 69       |                                     |     |       |      | .1   | .1   | .7             | .6    | .3       |       |                                    |        |        |        |        |        |      | 13        | 13       |          |           |  |       |  |  |
| 68/ 67       |                                     |     |       |      | .3   | .7   | .4             | .3    | .1       | .1    | .3                                 | .1     | .3     |        |        |        |      | 17        | 17       |          |           |  |       |  |  |
| 66/ 65       |                                     |     | .1    | .4   | .4   | .4   | 1.5            | 1.5   | 1.1      | .3    | .3                                 | .1     | .1     |        |        |        |      | 46        | 46       |          |           |  |       |  |  |
| 64/ 63       |                                     |     |       | 2.1  | 1.1  | 1.2  | 1.5            | .4    | 1.1      |       |                                    |        |        |        |        |        |      | 54        | 54       |          |           |  |       |  |  |
| 62/ 61       |                                     | .1  | .6    | 3.0  | 2.5  | 1.9  | 1.8            | 1.0   | .1       |       |                                    |        |        |        |        |        |      | 80        | 80       | 6        |           |  |       |  |  |
| 60/ 59       |                                     | 1.2 | 5.4   | 4.6  | 3.6  | 1.9  | 1.5            | .1    |          |       |                                    |        |        |        |        |        |      | 133       | 133      | 14       |           |  |       |  |  |
| 58/ 57       |                                     | 2.1 | 6.6   | 5.4  | 2.9  | .7   | 1.1            |       |          |       |                                    |        |        |        |        |        |      | 136       | 136      | 49       | 2         |  |       |  |  |
| 56/ 55       | .4                                  | 1.9 | 4.6   | 5.7  | 2.6  | 1.1  |                | .6    |          |       |                                    |        |        |        |        |        |      | 122       | 122      | 120      | 33        |  |       |  |  |
| 54/ 53       | .1                                  | 1.7 | 2.5   | 3.0  | 1.1  | .6   | .3             | .1    |          |       |                                    |        |        |        |        |        |      | 68        | 68       | 141      | 65        |  |       |  |  |
| 52/ 51       | .6                                  | 1.1 | .8    | 1.4  | .1   |      |                |       |          |       |                                    |        |        |        |        |        |      | 29        | 29       | 161      | 78        |  |       |  |  |
| 50/ 49       |                                     |     | .1    | .1   |      |      |                |       |          |       |                                    |        |        |        |        |        |      | 2         | 2        | 123      | 99        |  |       |  |  |
| 48/ 47       |                                     | .1  |       | .1   |      |      |                |       |          |       |                                    |        |        |        |        |        |      | 2         | 2        | 60       | 79        |  |       |  |  |
| 46/ 45       |                                     | .3  | .3    |      |      |      |                |       |          |       |                                    |        |        |        |        |        |      | 4         | 4        | 30       | 94        |  |       |  |  |
| 44/ 43       |                                     | .1  |       |      |      |      |                |       |          |       |                                    |        |        |        |        |        |      | 1         | 1        | 12       | 63        |  |       |  |  |
| 42/ 41       |                                     |     |       |      |      |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          | 8        | 58        |  |       |  |  |
| 40/ 39       |                                     |     |       |      |      |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          | 52        |  |       |  |  |
| 38/ 37       |                                     |     |       |      |      |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          | 25        |  |       |  |  |
| 36/ 35       |                                     |     |       |      |      |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          | 22        |  |       |  |  |
| 34/ 33       |                                     |     |       |      |      |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          | 25        |  |       |  |  |
| 32/ 31       |                                     |     |       |      |      |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          | 13        |  |       |  |  |
| 30/ 29       |                                     |     |       |      |      |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          | 1         |  |       |  |  |
| 28/ 27       |                                     |     |       |      |      |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          | 2         |  |       |  |  |
| 26/ 25       |                                     |     |       |      |      |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          | 5         |  |       |  |  |
| 24/ 23       |                                     |     |       |      |      |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          | 1         |  |       |  |  |
| 22/ 21       |                                     |     |       |      |      |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          | 2         |  |       |  |  |
| 18/ 17       |                                     |     |       |      |      |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          | 2         |  |       |  |  |
| 14/ 13       |                                     |     |       |      |      |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          | 2         |  |       |  |  |
| 12/ 11       |                                     |     |       |      |      |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          | 1         |  |       |  |  |
| TOTAL        | 1.1                                 | 8.7 | 21.0  | 25.8 | 14.5 | 8.4  | 9.0            | 5.0   | 3.6      | 1.7   | .6                                 | .3     | .4     |        |        |        |      | 724       |          | 724      | 724       |  |       |  |  |
| Element (X)  | Σ X <sup>2</sup>                    |     | Σ X   |      | X    |      | σ <sub>x</sub> |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |        |      |           |          |          | Total     |  |       |  |  |
| Rel. Hum.    | 3123240                             |     | 45846 |      | 63.3 |      | 17.449         |       | 724      |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |      |           |          |          |           |  |       |  |  |
| Dry Bulb     | 2536905                             |     | 42719 |      | 59.0 |      | 4.749          |       | 724      |       |                                    |        | 5.5    |        | 1.0    |        | 84   |           |          |          |           |  |       |  |  |
| Wet Bulb     | 1968801                             |     | 37665 |      | 52.0 |      | 3.594          |       | 724      |       |                                    |        |        |        |        |        | 84   |           |          |          |           |  |       |  |  |
| Dew Point    | 1528203                             |     | 32885 |      | 45.4 |      | 6.910          |       | 724      |       |                                    |        | 3.4    |        |        |        | 84   |           |          |          |           |  |       |  |  |

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA

18-70, 73-79

180

PAGE 1 1500-1700

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |       |      |        |      |       |       |       |       |          |       |                                    |       |        |       |        |           |          |          |           | TOTAL |       | TOTAL |  |  |
|--------------|-------------------------------------|------|-------|------|--------|------|-------|-------|-------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-----------|----------|----------|-----------|-------|-------|-------|--|--|
|              | 0                                   | 1-2  | 3-4   | 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 | ≥ 31   | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |       |       |       |  |  |
| 76/ 75       |                                     |      |       |      |        |      |       |       |       |       |          | .1    |                                    |       |        |       |        | 1         | 1        |          |           |       |       |       |  |  |
| 74/ 73       |                                     |      |       |      |        |      |       |       |       |       |          | .1    |                                    |       |        |       |        | 1         | 1        |          |           |       |       |       |  |  |
| 70/ 69       |                                     |      |       |      |        | .1   |       | .1    | .1    | .1    |          |       |                                    |       |        |       |        | 4         | 4        |          |           |       |       |       |  |  |
| 68/ 67       |                                     |      |       |      | .1     |      | .3    | .4    | .3    |       |          |       | .3                                 |       |        |       |        | 10        | 10       |          |           |       |       |       |  |  |
| 66/ 65       |                                     |      |       | .4   | .3     | .8   | .4    | 1.1   | .4    |       |          | .3    | .1                                 |       |        |       |        | 28        | 28       |          |           |       |       |       |  |  |
| 64/ 63       |                                     |      |       | .4   | .6     | .7   | .1    | 1.0   | .3    | .1    |          |       |                                    |       |        |       |        | 23        | 23       |          |           |       |       |       |  |  |
| 62/ 61       |                                     | .3   | 1.4   | 1.5  | 1.8    | .8   | 1.0   | .6    |       |       |          |       |                                    |       |        |       |        | 53        | 53       |          |           |       |       |       |  |  |
| 60/ 59       |                                     | 1.1  | 4.9   | 3.5  | 1.8    | 1.0  | 1.3   | .1    | .3    |       |          |       |                                    |       |        |       |        | 100       | 100      |          | 9         |       |       |       |  |  |
| 58/ 57       |                                     | 2.2  | 7.1   | 6.1  | 2.8    | 1.3  | .1    |       |       |       |          |       |                                    |       |        |       |        | 141       | 141      | 34       | 3         |       |       |       |  |  |
| 56/ 55       | .4                                  | 3.9  | 7.6   | 6.1  | 1.8    |      | .3    | .1    |       |       |          |       |                                    |       |        |       |        | 146       | 146      | 88       | 27        |       |       |       |  |  |
| 54/ 53       |                                     | 3.1  | 7.6   | 4.2  | .8     | .3   |       |       |       |       |          |       |                                    |       |        |       |        | 115       | 115      | 120      | 55        |       |       |       |  |  |
| 52/ 51       | .8                                  | 2.2  | 4.4   | 1.3  | .3     | .1   |       |       |       |       |          |       |                                    |       |        |       |        | 66        | 66       | 188      | 96        |       |       |       |  |  |
| 50/ 49       | .1                                  | 1.1  | .8    | 1.0  |        |      |       |       |       |       |          |       |                                    |       |        |       |        | 22        | 22       | 144      | 49        |       |       |       |  |  |
| 48/ 47       |                                     | .1   | .1    | .1   |        |      |       |       |       |       |          |       |                                    |       |        |       |        | 3         | 3        | 33       | 30        |       |       |       |  |  |
| 46/ 45       |                                     | .1   | .3    | .3   |        |      |       |       |       |       |          |       |                                    |       |        |       |        | 5         | 5        | 22       | 87        |       |       |       |  |  |
| 44/ 43       |                                     |      | .3    |      |        |      |       |       |       |       |          |       |                                    |       |        |       |        | 2         | 2        | 17       | 67        |       |       |       |  |  |
| 42/ 41       |                                     |      |       |      |        |      |       |       |       |       |          |       |                                    |       |        |       |        |           |          | 7        | 47        |       |       |       |  |  |
| 40/ 39       |                                     |      |       |      |        |      |       |       |       |       |          |       |                                    |       |        |       |        |           |          |          | 41        |       |       |       |  |  |
| 38/ 37       |                                     |      |       |      |        |      |       |       |       |       |          |       |                                    |       |        |       |        |           |          |          | 25        |       |       |       |  |  |
| 36/ 35       |                                     |      |       |      |        |      |       |       |       |       |          |       |                                    |       |        |       |        |           |          |          | 21        |       |       |       |  |  |
| 34/ 33       |                                     |      |       |      |        |      |       |       |       |       |          |       |                                    |       |        |       |        |           |          |          | 6         |       |       |       |  |  |
| 32/ 31       |                                     |      |       |      |        |      |       |       |       |       |          |       |                                    |       |        |       |        |           |          |          | 5         |       |       |       |  |  |
| 30/ 29       |                                     |      |       |      |        |      |       |       |       |       |          |       |                                    |       |        |       |        |           |          |          | 2         |       |       |       |  |  |
| 28/ 27       |                                     |      |       |      |        |      |       |       |       |       |          |       |                                    |       |        |       |        |           |          |          | 1         |       |       |       |  |  |
| 26/ 25       |                                     |      |       |      |        |      |       |       |       |       |          |       |                                    |       |        |       |        |           |          |          | 2         |       |       |       |  |  |
| 22/ 21       |                                     |      |       |      |        |      |       |       |       |       |          |       |                                    |       |        |       |        |           |          |          | 1         |       |       |       |  |  |
| 20/ 19       |                                     |      |       |      |        |      |       |       |       |       |          |       |                                    |       |        |       |        |           |          |          | 1         |       |       |       |  |  |
| 16/ 15       |                                     |      |       |      |        |      |       |       |       |       |          |       |                                    |       |        |       |        |           |          |          | 1         |       |       |       |  |  |
| 12/ 11       |                                     |      |       |      |        |      |       |       |       |       |          |       |                                    |       |        |       |        |           |          |          | 2         |       |       |       |  |  |
| 10/ 9        |                                     |      |       |      |        |      |       |       |       |       |          |       |                                    |       |        |       |        |           |          |          | 1         |       |       |       |  |  |
| TOTAL        | 1.4                                 | 14.2 | 34.6  | 24.9 | 10.3   | 5.1  | 3.5   | 3.5   | 1.4   | .3    |          | .6    | .4                                 |       |        |       |        | 720       | 720      |          | 720       |       |       |       |  |  |
|              |                                     |      |       |      |        |      |       |       |       |       |          |       |                                    |       |        |       |        |           |          |          |           |       |       |       |  |  |
| Element (X)  | Σ X <sup>2</sup>                    |      | Σ X   |      | Σ      |      | Σ     |       | Σ     |       | No. Obs. |       | Mean No. of Hours with Temperature |       |        |       |        |           |          |          |           |       |       |       |  |  |
| Rel. Hum.    | 3698817                             |      | 50337 |      | 69.915 |      | 806   |       | 720   |       | ≤ 0 F    |       | ≤ 32 F                             |       | ≥ 67 F |       | ≥ 73 F |           | ≥ 80 F   |          | ≥ 93 F    |       | Total |       |  |  |
| Dry Bulb     | 2338349                             |      | 40917 |      | 56.8   |      | 4.264 |       | 720   |       |          |       |                                    |       | 1.9    |       | .2     |           |          |          |           |       | 84    |       |  |  |
| Wet Bulb     | 1910734                             |      | 37012 |      | 51.4   |      | 3.359 |       | 720   |       |          |       |                                    |       |        |       |        |           |          |          |           |       | 84    |       |  |  |
| Dew Point    | 1562546                             |      | 33326 |      | 46.3   |      | 6.130 |       | 720   |       |          |       | 1.9                                |       |        |       |        |           |          |          |           |       | 84    |       |  |  |

## PSYCHROMETRIC SUMMARY

YFARS

FEB  
MARCH

PAGE 1 1800-2000  
HOURS: 10:00 A.M. - 5:00 P.M.

[illegible]

2

1

●

1

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA

18-70, 73-79

FEB

STATION

STATION NAME

YEARS

PAGE 1

ALL

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |   | TOTAL |     |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|---|-------|-----|--|
|              | 0                                   | 1-2 | 3-4 | 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 | * 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |   |       |     |  |
| 78/ 77       |                                     |     |     |     |     |      |       |       |       | .0    |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |   | 1     | 1   |  |
| 76/ 75       |                                     |     |     |     |     |      |       |       |       |       | .0    | .0    | .0    |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       | 3 | 3     |     |  |
| 74/ 73       |                                     |     |     |     |     |      | .0    | .0    | .0    | .1    | .0    | .0    |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |   | 12    | 12  |  |
| 72/ 71       |                                     |     |     |     |     | .1   | .0    | .0    | .1    | .0    | .0    |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |   | 11    | 11  |  |
| 70/ 69       |                                     |     |     |     | .0  | .0   | .0    | .2    | .1    | .1    | .0    |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |   | 22    | 22  |  |
| 68/ 67       |                                     |     |     |     | .0  | .1   | .2    | .2    | .1    | .0    | .0    | .0    | .1    |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |   | 32    | 32  |  |
| 66/ 65       |                                     |     | .0  | .1  | .2  | .3   | .4    | .5    | .3    | .1    | .1    | .1    | .1    |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |   | 93    | 93  |  |
| 64/ 63       |                                     |     | .0  | .5  | .4  | .4   | .4    | .5    | .3    | .1    |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |   | 114   | 114 |  |
| 62/ 61       |                                     | .1  | .5  | 1.0 | .8  | .6   | .7    | .4    | .0    |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |   | 176   | 176 |  |
| 60/ 59       |                                     | .5  | 2.0 | 1.9 | 1.1 | .9   | .8    | .1    | .1    |       | .0    |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |   | 315   | 315 |  |
| 58/ 57       |                                     | 1.5 | 3.6 | 2.5 | 1.5 | .7   | .4    | .0    |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |   | 444   | 444 |  |
| 56/ 55       | .2                                  | 4.1 | 4.1 | 2.8 | 1.4 | .7   | .3    | .2    | .0    |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |   | 584   | 584 |  |
| 54/ 53       | .2                                  | 5.2 | 3.9 | 2.2 | 1.0 | .5   | .1    | .0    |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |   | 557   | 557 |  |
| 52/ 51       | .5                                  | 5.3 | 4.2 | 1.3 | .4  | .4   | .2    |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |   | 525   | 525 |  |
| 50/ 49       | .4                                  | 5.4 | 3.2 | 1.2 | .3  | .2   | .0    |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |   | 452   | 452 |  |
| 48/ 47       | .2                                  | 4.6 | 1.1 | .9  | .4  | .1   | .0    |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |   | 312   | 312 |  |
| 46/ 45       | .3                                  | 3.0 | 1.7 | .3  | .4  | .0   |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |   | 242   | 242 |  |
| 44/ 43       | .2                                  | 2.4 | .8  | .4  | .2  | .0   |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |   | 168   | 168 |  |
| 42/ 41       | .2                                  | 1.9 | .5  | .3  |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |   | 122   | 122 |  |
| 40/ 39       | .0                                  | .6  | .2  | .2  |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |   | 41    | 41  |  |
| 38/ 37       |                                     | .1  | .1  |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |   | 9     | 9   |  |
| 36/ 35       |                                     | .0  | .0  |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |   | 3     | 3   |  |
| 34/ 33       |                                     | .0  | .0  |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |   | 2     | 2   |  |
| 32/ 31       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |   |       |     |  |
| 30/ 29       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |   |       |     |  |
| 28/ 27       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |   |       |     |  |
| 26/ 25       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |   |       |     |  |
| 24/ 23       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |   |       |     |  |
| 22/ 21       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |   |       |     |  |
| 20/ 19       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |   |       |     |  |
| 18/ 17       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |   |       |     |  |
| 16/ 15       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |   |       |     |  |
| 14/ 13       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |   |       |     |  |
| 12/ 11       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       | </    |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |   |       |     |  |

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

93214                      VANDENBERG AFB CA  
STATION                      STATION NAME

68-70, 73-79

YEARS

FEV  
MONTH

PAGE 2

ALL  
HOURS L. S. T. J.

[illegible]

## PSYCHROMETRIC SUMMARY

93214                      VANDENBERG AFB CA  
STATION                      STATION NAME

67-70, 73-74, 78

YEARS

144  
MONTH

PAGE 1 0000-0200  
HOURS 12.5.1.1

[illegible]



## PSYCHROMETRIC SUMMARY

YEARS

1. 1.41  
MONTH

PAGE 1 0300-0500  
HOURS (L, S, T, J)

[illegible]

7-70, 73-78

YEARS

MA-  
MONTH

PAGE 1 0600-0000  
HOURS: 1. 5. 7. 1

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

93214                      VANDENBERG AFB CA  
STATION                      STATION NAME

67-70, 73-78

YEARS

MAP  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

**USAFETAC** FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
(JUN 71)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |          |          |           | TOTAL<br>D.B. W.B. | TOTAL |       |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|----------------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|----------|----------|-----------|--------------------|-------|-------|--|
|              | 0                                   | 1-2 | 3-4 | 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 | ≥ 31   | Dry Bulb | Wet Bulb | Dew Point |                    |       |       |  |
| 84/ 83       |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       | .1     |       |        | 1        | 1        |           |                    |       |       |  |
| 80/ 79       |                                     |     |     |     |     |      |                |       |          |       |                                    | .1    | .1     |       |        |       |        | 2        | 2        |           |                    |       |       |  |
| 78/ 77       |                                     |     |     |     |     |      |                |       | .1       | .1    |                                    |       |        |       |        |       |        | 2        | 2        |           |                    |       |       |  |
| 76/ 75       |                                     |     |     |     |     |      |                |       |          |       | .2                                 | .1    | .1     |       |        |       |        | 4        | 4        |           |                    |       |       |  |
| 74/ 73       |                                     |     |     |     |     |      |                |       |          | .2    | .1                                 |       |        |       |        |       |        | 3        | 3        |           |                    |       |       |  |
| 72/ 71       |                                     |     |     |     |     | .1   | .1             | .1    | .3       | .1    | .1                                 | .1    |        |       |        |       |        | 9        | 9        |           |                    |       |       |  |
| 70/ 69       |                                     |     |     |     |     |      | .5             | .3    | .6       | .1    |                                    |       |        |       |        |       |        | 13       | 13       |           |                    |       |       |  |
| 68/ 67       |                                     |     |     |     | .1  | .1   | .3             | .5    | .3       | .1    | .1                                 |       |        |       |        |       |        | 14       | 14       |           |                    |       |       |  |
| 66/ 65       |                                     |     |     | .3  | .1  | .7   | .3             | .3    | .3       |       | .1                                 |       |        |       |        |       |        | 20       | 20       |           |                    |       |       |  |
| 64/ 63       |                                     |     | .2  | .5  | .7  | 1.3  | .9             | .2    | .1       | .1    |                                    |       |        |       |        |       |        | 35       | 35       | 1         |                    |       |       |  |
| 62/ 61       |                                     | .3  | 1.4 | 1.6 | .6  | .8   | .5             | .5    |          | .1    |                                    |       |        |       |        |       |        | 50       | 50       | 4         |                    |       |       |  |
| 60/ 59       |                                     | .8  | 2.1 | 1.6 | 1.3 | .9   | 1.0            | .2    | .2       |       |                                    |       |        |       |        |       |        | 71       | 71       | 15        |                    |       |       |  |
| 58/ 57       |                                     | 2.1 | 2.8 | 3.5 | 2.5 | 1.3  | 1.0            | .3    |          |       |                                    |       |        |       |        |       |        | 117      | 117      | 44        |                    |       |       |  |
| 56/ 55       | .7                                  | 2.3 | 4.2 | 4.3 | 2.1 | 2.2  | .9             | .7    |          |       |                                    |       |        |       |        |       |        | 150      | 150      | 85        |                    |       |       |  |
| 54/ 53       | .2                                  | 2.9 | 4.7 | 4.3 | 3.5 | 1.6  | .3             |       | .1       |       |                                    |       |        |       |        |       |        | 153      | 153      | 99        |                    |       |       |  |
| 52/ 51       | .3                                  | 4.6 | 3.9 | 2.9 | 2.3 | .6   | .1             | .1    |          |       |                                    |       |        |       |        |       |        | 129      | 129      | 130       |                    |       |       |  |
| 50/ 49       | .2                                  | 2.2 | 2.0 | 1.4 | .6  | .2   |                | .1    |          |       |                                    |       |        |       |        |       |        | 58       | 58       | 159       |                    |       |       |  |
| 48/ 47       |                                     | .8  | 1.2 | .3  | .1  |      |                |       |          |       |                                    |       |        |       |        |       |        | 21       | 21       | 142       |                    |       |       |  |
| 46/ 45       | .2                                  | .6  | .2  | .2  |     |      |                |       |          |       |                                    |       |        |       |        |       |        | 11       | 11       | 100       |                    |       |       |  |
| 44/ 43       |                                     | .2  |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        | 2        | 2        | 62        |                    |       |       |  |
| 42/ 41       |                                     |     | .1  |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        | 1        | 1        | 17        |                    |       |       |  |
| 40/ 39       |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |          |          | 6         |                    |       |       |  |
| 38/ 37       |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |          |          | 2         |                    |       |       |  |
| 36/ 35       |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |          |          |           |                    |       |       |  |
| 34/ 33       |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |          |          |           |                    |       |       |  |
| 32/ 31       |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |          |          |           |                    |       |       |  |
| 30/ 29       |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |          |          |           |                    |       |       |  |
| 28/ 27       |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |          |          |           |                    |       |       |  |
| 26/ 25       |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |          |          |           |                    |       |       |  |
| 24/ 23       |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |          |          |           |                    |       |       |  |
| 22/ 21       |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |          |          |           |                    |       |       |  |
| 20/ 19       |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |          |          |           |                    |       |       |  |
| 18/ 17       |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |          |          |           |                    |       |       |  |
| 16/ 15       |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |          |          |           |                    |       |       |  |
| Element (X)  | Σ X <sup>2</sup>                    |     | Σ X |     | X̄  |      | σ <sub>X</sub> |       | No. Obs. |       | Mean No. of Hours with Temperature |       |        |       |        |       |        |          |          |           |                    |       |       |  |
| Rel. Hum.    |                                     |     |     |     |     |      |                |       |          |       | ≤ 0 F                              |       | ≤ 32 F |       | ≥ 67 F |       | ≥ 73 F |          | ≥ 80 F   |           | ≥ 93 F             |       | Total |  |
| Dry Bulb     |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |          |          |           |                    |       |       |  |
| Wet Bulb     |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |          |          |           |                    |       |       |  |
| Dew Point    |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |          |          |           |                    |       |       |  |

## PSYCHROMETRIC SUMMARY

YEARS

14 AR  
MONTH

PAGE 2 0900-1100  
HOURS (L. S. T.)

[illegible]

**USAFETAC** FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
(JUN 7)

YEARS

MAR  
MONTH

PAGE 1 1200-1400  
HOURS 12.00-14.00

1200-1400  
HOURS 1st S. T.

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |      |       |      |      |        |       |                |       |          |       |                                    |       |        |       |        |           |          |          |           |  |        |  |       |  |  |  |  |  |  | TOTAL | TOTAL |  |  |
|--------------|-------------------------------------|------|------|-------|------|------|--------|-------|----------------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-----------|----------|----------|-----------|--|--------|--|-------|--|--|--|--|--|--|-------|-------|--|--|
|              | 0                                   | 1-2  | 3-4  | 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 | ≥ 31   | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |  |        |  |       |  |  |  |  |  |  |       |       |  |  |
| 88/ 87       |                                     |      |      |       |      |      |        |       |                |       |          |       |                                    |       |        | .1    |        | 1         | 1        |          |           |  |        |  |       |  |  |  |  |  |  |       |       |  |  |
| 86/ 85       |                                     |      |      |       |      |      |        |       |                |       |          |       |                                    |       |        | .1    | .1     | 2         | 2        |          |           |  |        |  |       |  |  |  |  |  |  |       |       |  |  |
| 80/ 79       |                                     |      |      |       |      |      |        |       |                |       | .2       | .1    |                                    |       |        |       |        | 3         | 3        |          |           |  |        |  |       |  |  |  |  |  |  |       |       |  |  |
| 78/ 77       |                                     |      |      |       |      |      |        |       |                | .2    | .1       |       | .3                                 |       |        |       |        | 6         | 6        |          |           |  |        |  |       |  |  |  |  |  |  |       |       |  |  |
| 74/ 73       |                                     |      |      |       |      |      |        |       | .1             | .5    |          |       |                                    |       |        |       |        | 5         | 5        |          |           |  |        |  |       |  |  |  |  |  |  |       |       |  |  |
| 72/ 71       |                                     |      |      |       |      |      | .2     | .2    | .7             |       |          | .1    | .2                                 | .1    |        |       |        | 14        | 14       |          |           |  |        |  |       |  |  |  |  |  |  |       |       |  |  |
| 70/ 69       |                                     |      |      |       |      |      | .5     | .3    | .1             | .1    | .2       |       |                                    |       |        |       |        | 11        | 11       |          |           |  |        |  |       |  |  |  |  |  |  |       |       |  |  |
| 68/ 67       |                                     |      |      | .3    | .6   | .6   | .7     | .1    |                | .1    |          |       |                                    |       |        |       |        | 21        | 21       |          |           |  |        |  |       |  |  |  |  |  |  |       |       |  |  |
| 66/ 65       |                                     |      | .1   | .3    | .8   | .7   | .6     | .2    | .7             | .1    | .1       |       |                                    |       |        |       |        | 32        | 32       |          |           |  |        |  |       |  |  |  |  |  |  |       |       |  |  |
| 64/ 63       |                                     |      | .6   | 2.0   | 1.3  | 1.2  | .8     | .6    |                | .1    | .1       |       |                                    |       |        |       |        | 57        | 57       |          |           |  |        |  |       |  |  |  |  |  |  |       |       |  |  |
| 62/ 61       |                                     | .2   | 1.7  | 2.4   | 1.0  | 1.7  | .7     | .3    | .5             |       |          |       |                                    |       |        |       |        | 75        | 75       | 7        |           |  |        |  |       |  |  |  |  |  |  |       |       |  |  |
| 60/ 59       |                                     | 1.4  | 2.2  | 4.0   | 3.3  | 1.2  | .8     | .9    |                |       |          |       |                                    |       |        |       |        | 120       | 120      | 27       | 1         |  |        |  |       |  |  |  |  |  |  |       |       |  |  |
| 58/ 57       |                                     | 2.1  | 4.7  | 5.3   | 4.3  | 1.6  | 1.4    |       |                |       |          |       |                                    |       |        |       |        | 168       | 168      | 77       | 14        |  |        |  |       |  |  |  |  |  |  |       |       |  |  |
| 56/ 55       |                                     | 1.4  | 4.1  | 5.5   | 5.1  | 2.9  | .3     | .1    |                |       |          |       |                                    |       |        |       |        | 169       | 169      | 99       | 42        |  |        |  |       |  |  |  |  |  |  |       |       |  |  |
| 54/ 53       | .6                                  | 2.8  | 3.3  | 3.9   | 2.5  | .7   | .2     |       |                |       |          |       |                                    |       |        |       |        | 122       | 122      | 138      | 54        |  |        |  |       |  |  |  |  |  |  |       |       |  |  |
| 52/ 51       | .1                                  | 1.4  | 1.7  | 1.5   | .1   |      |        |       |                |       |          |       |                                    |       |        |       |        | 42        | 42       | 154      | 80        |  |        |  |       |  |  |  |  |  |  |       |       |  |  |
| 50/ 49       | .1                                  | .5   | .7   |       | .2   |      |        |       |                |       |          |       |                                    |       |        |       |        | 13        | 13       | 160      | 112       |  |        |  |       |  |  |  |  |  |  |       |       |  |  |
| 48/ 47       | .2                                  | .2   | .1   |       | .1   |      |        |       |                |       |          |       |                                    |       |        |       |        | 6         | 6        | 125      | 95        |  |        |  |       |  |  |  |  |  |  |       |       |  |  |
| 46/ 45       |                                     | .1   |      |       |      |      |        |       |                |       |          |       |                                    |       |        |       |        | 1         | 1        | 67       | 104       |  |        |  |       |  |  |  |  |  |  |       |       |  |  |
| 44/ 43       |                                     |      |      |       |      |      |        |       |                |       |          |       |                                    |       |        |       |        |           |          | 10       | 98        |  |        |  |       |  |  |  |  |  |  |       |       |  |  |
| 42/ 41       |                                     |      |      |       |      |      |        |       |                |       |          |       |                                    |       |        |       |        |           |          | 3        | 71        |  |        |  |       |  |  |  |  |  |  |       |       |  |  |
| 40/ 39       |                                     |      |      |       |      |      |        |       |                |       |          |       |                                    |       |        |       |        |           |          | 1        | 58        |  |        |  |       |  |  |  |  |  |  |       |       |  |  |
| 38/ 37       |                                     |      |      |       |      |      |        |       |                |       |          |       |                                    |       |        |       |        |           |          |          | 47        |  |        |  |       |  |  |  |  |  |  |       |       |  |  |
| 36/ 35       |                                     |      |      |       |      |      |        |       |                |       |          |       |                                    |       |        |       |        |           |          |          | 36        |  |        |  |       |  |  |  |  |  |  |       |       |  |  |
| 34/ 33       |                                     |      |      |       |      |      |        |       |                |       |          |       |                                    |       |        |       |        |           |          |          | 21        |  |        |  |       |  |  |  |  |  |  |       |       |  |  |
| 32/ 31       |                                     |      |      |       |      |      |        |       |                |       |          |       |                                    |       |        |       |        |           |          |          | 12        |  |        |  |       |  |  |  |  |  |  |       |       |  |  |
| 30/ 29       |                                     |      |      |       |      |      |        |       |                |       |          |       |                                    |       |        |       |        |           |          |          | 11        |  |        |  |       |  |  |  |  |  |  |       |       |  |  |
| 28/ 27       |                                     |      |      |       |      |      |        |       |                |       |          |       |                                    |       |        |       |        |           |          |          | 6         |  |        |  |       |  |  |  |  |  |  |       |       |  |  |
| 26/ 25       |                                     |      |      |       |      |      |        |       |                |       |          |       |                                    |       |        |       |        |           |          |          | 4         |  |        |  |       |  |  |  |  |  |  |       |       |  |  |
| 24/ 23       |                                     |      |      |       |      |      |        |       |                |       |          |       |                                    |       |        |       |        |           |          |          | 1         |  |        |  |       |  |  |  |  |  |  |       |       |  |  |
| 22/ 21       |                                     |      |      |       |      |      |        |       |                |       |          |       |                                    |       |        |       |        |           |          |          | 1         |  |        |  |       |  |  |  |  |  |  |       |       |  |  |
| TOTAL        | 1.0                                 | 10.0 | 19.4 | 25.3  | 19.4 | 10.5 | 6.2    | 2.9   | 2.1            | 1.2   | .9       | .3    | .5                                 |       | .2     | .1    |        | 868       | 868      |          | 668       |  |        |  |       |  |  |  |  |  |  |       |       |  |  |
| Element (X)  | Σ x <sup>1</sup>                    |      |      | Σ x   |      |      | x̄     |       | s <sub>x</sub> |       | No. Obs. |       | Mean No. of Hours with Temperature |       |        |       |        |           |          |          |           |  |        |  |       |  |  |  |  |  |  |       |       |  |  |
| Rel. Hum.    | 3787217                             |      |      | 55467 |      |      | 63.916 |       | 733            |       | 868      |       | = 0 F                              |       | = 32 F |       | = 67 F |           | = 73 F   |          | = 80 F    |  | = 93 F |  | Total |  |  |  |  |  |  |       |       |  |  |
| Dry Bulb     | 2984833                             |      |      | 50689 |      |      | 58.4   |       | 5.340          |       | 868      |       |                                    |       |        |       | 6.8    |           | 1.8      |          | .6        |  |        |  | 93    |  |  |  |  |  |  |       |       |  |  |
| Wet Bulb     | 2327036                             |      |      | 44816 |      |      | 51.6   |       | 3.891          |       | 868      |       |                                    |       |        |       |        |           |          |          |           |  |        |  | 93    |  |  |  |  |  |  |       |       |  |  |
| Dew Point    | 1815103                             |      |      | 39223 |      |      | 45.2   |       | 6.594          |       | 868      |       |                                    |       | 3.4    |       |        |           |          |          |           |  |        |  | 93    |  |  |  |  |  |  |       |       |  |  |

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| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |       |      |                |          |                                    |       |       |       |       |       |       |        |        |        |        |        |           |          |          |           |  |  |  |  |  |  | TOTAL | TOTAL |  |  |
|--------------|-------------------------------------|-------|------|----------------|----------|------------------------------------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|-----------|----------|----------|-----------|--|--|--|--|--|--|-------|-------|--|--|
|              | 0                                   | 1-2   | 3-4  | 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  | ≥ 31   | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |       |       |  |  |
| 86 / 85      |                                     |       |      |                |          |                                    |       |       |       |       |       |       |        |        | .1     |        |        | 1         | 1        |          |           |  |  |  |  |  |  |       |       |  |  |
| 84 / 83      |                                     |       |      |                |          |                                    |       |       |       |       |       |       |        |        | .1     |        |        | 1         | 1        |          |           |  |  |  |  |  |  |       |       |  |  |
| 78 / 77      |                                     |       |      |                |          |                                    |       |       |       | .2    | .1    |       |        |        |        |        |        | 3         | 3        |          |           |  |  |  |  |  |  |       |       |  |  |
| 76 / 75      |                                     |       |      |                |          |                                    |       |       |       | .2    | .1    |       | .1     |        |        |        |        | 4         | 4        |          |           |  |  |  |  |  |  |       |       |  |  |
| 74 / 73      |                                     |       |      |                |          |                                    |       |       | .1    | .1    | .1    | .1    |        |        |        |        |        | 4         | 4        |          |           |  |  |  |  |  |  |       |       |  |  |
| 72 / 71      |                                     |       |      |                |          |                                    | .1    |       |       | .1    |       | .1    |        |        |        |        |        | 3         | 3        |          |           |  |  |  |  |  |  |       |       |  |  |
| 70 / 69      |                                     |       |      |                |          | .1                                 | .1    |       |       |       |       | .1    |        |        |        |        |        | 3         | 3        |          |           |  |  |  |  |  |  |       |       |  |  |
| 68 / 67      |                                     |       |      | .2             | .1       | .3                                 | .2    | .3    |       |       |       |       |        |        |        |        |        | 11        | 11       |          |           |  |  |  |  |  |  |       |       |  |  |
| 66 / 65      |                                     |       |      | .5             | .2       | .3                                 | .6    | .1    | .3    |       |       |       |        |        |        |        |        | 18        | 18       |          |           |  |  |  |  |  |  |       |       |  |  |
| 64 / 63      |                                     | .1    | .2   | 1.9            | .8       | .2                                 |       | .1    | .2    |       |       |       |        |        |        |        |        | 31        | 31       |          |           |  |  |  |  |  |  |       |       |  |  |
| 62 / 61      |                                     | .3    | 1.4  | 1.4            | 1.3      | .8                                 | .7    | .5    |       |       |       |       |        |        |        |        |        | 55        | 55       | 6        |           |  |  |  |  |  |  |       |       |  |  |
| 60 / 59      |                                     | .6    | 1.6  | 2.0            | 2.2      | 1.2                                | .6    | .1    |       |       |       |       |        |        |        |        |        | 71        | 71       | 20       | 2         |  |  |  |  |  |  |       |       |  |  |
| 58 / 57      | .1                                  | 1.2   | 6.0  | 5.7            | 2.9      | .7                                 | .7    |       |       |       |       |       |        |        |        |        |        | 149       | 149      | 48       | 15        |  |  |  |  |  |  |       |       |  |  |
| 56 / 55      | .5                                  | 2.2   | 6.4  | 7.2            | 5.1      | .8                                 | .1    |       |       |       |       |       |        |        |        |        |        | 192       | 192      | 61       | 18        |  |  |  |  |  |  |       |       |  |  |
| 54 / 53      | .9                                  | 3.5   | 6.4  | 6.4            | 3.9      | .1                                 |       |       |       |       |       |       |        |        |        |        |        | 183       | 183      | 136      | 53        |  |  |  |  |  |  |       |       |  |  |
| 52 / 51      | .2                                  | 2.2   | 4.2  | 2.9            | 1.4      | .1                                 |       |       |       |       |       |       |        |        |        |        |        | 95        | 95       | 184      | 83        |  |  |  |  |  |  |       |       |  |  |
| 50 / 49      | .2                                  | .9    | 1.2  | .3             | .3       |                                    |       |       |       |       |       |       |        |        |        |        |        | 26        | 26       | 194      | 119       |  |  |  |  |  |  |       |       |  |  |
| 48 / 47      | .1                                  | .3    |      | .1             | .1       |                                    |       |       |       |       |       |       |        |        |        |        |        | 6         | 6        | 133      | 124       |  |  |  |  |  |  |       |       |  |  |
| 46 / 45      | .1                                  | .3    | .3   |                |          |                                    |       |       |       |       |       |       |        |        |        |        |        | 7         | 7        | 63       | 127       |  |  |  |  |  |  |       |       |  |  |
| 44 / 43      |                                     |       |      |                |          |                                    |       |       |       |       |       |       |        |        |        |        |        |           |          | 11       | 88        |  |  |  |  |  |  |       |       |  |  |
| 42 / 41      |                                     |       |      |                |          |                                    |       |       |       |       |       |       |        |        |        |        |        |           |          | 7        | 81        |  |  |  |  |  |  |       |       |  |  |
| 40 / 39      |                                     |       |      |                |          |                                    |       |       |       |       |       |       |        |        |        |        |        |           |          |          | 65        |  |  |  |  |  |  |       |       |  |  |
| 38 / 37      |                                     |       |      |                |          |                                    |       |       |       |       |       |       |        |        |        |        |        |           |          |          | 44        |  |  |  |  |  |  |       |       |  |  |
| 36 / 35      |                                     |       |      |                |          |                                    |       |       |       |       |       |       |        |        |        |        |        |           |          |          | 19        |  |  |  |  |  |  |       |       |  |  |
| 34 / 33      |                                     |       |      |                |          |                                    |       |       |       |       |       |       |        |        |        |        |        |           |          |          | 15        |  |  |  |  |  |  |       |       |  |  |
| 32 / 31      |                                     |       |      |                |          |                                    |       |       |       |       |       |       |        |        |        |        |        |           |          |          | 8         |  |  |  |  |  |  |       |       |  |  |
| 28 / 27      |                                     |       |      |                |          |                                    |       |       |       |       |       |       |        |        |        |        |        |           |          |          | 1         |  |  |  |  |  |  |       |       |  |  |
| 26 / 25      |                                     |       |      |                |          |                                    |       |       |       |       |       |       |        |        |        |        |        |           |          |          | 1         |  |  |  |  |  |  |       |       |  |  |
| TOTAL        | 2.2                                 | 11.7  | 77.7 | 28.5           | 18.4     | 4.8                                | 3.1   | 1.2   | .7    | .7    | .3    | .3    | .1     | .1     | .1     |        |        | 863       | 863      | 863      | 663       |  |  |  |  |  |  |       |       |  |  |
|              |                                     |       |      |                |          |                                    |       |       |       |       |       |       |        |        |        |        |        |           |          |          |           |  |  |  |  |  |  |       |       |  |  |
|              |                                     |       |      |                |          |                                    |       |       |       |       |       |       |        |        |        |        |        |           |          |          |           |  |  |  |  |  |  |       |       |  |  |
|              |                                     |       |      |                |          |                                    |       |       |       |       |       |       |        |        |        |        |        |           |          |          |           |  |  |  |  |  |  |       |       |  |  |
| Element (X)  | ΣX <sup>2</sup>                     | ΣX    | X̄   | S <sub>x</sub> | No. Obs. | Mean No. of Hours with Temperature |       |       |       |       |       | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total     |          |          |           |  |  |  |  |  |  |       |       |  |  |
| Rel. Hum.    | 4317820                             | 59704 | 69.2 | 14.744         | 863      |                                    |       |       |       |       |       | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total     |          |          |           |  |  |  |  |  |  |       |       |  |  |
| Dry Bulb     | 2772625                             | 48741 | 56.5 | 4.793          | 863      |                                    |       |       |       |       |       |       |        | 3.2    | 1.4    | .2     |        | 93        |          |          |           |  |  |  |  |  |  |       |       |  |  |
| Wet Bulb     | 2255754                             | 44010 | 51.0 | 3.636          | 863      |                                    |       |       |       |       |       |       |        |        |        |        |        | 93        |          |          |           |  |  |  |  |  |  |       |       |  |  |
| Dew Point    | 1838236                             | 39546 | 45.8 | 5.512          | 863      |                                    |       |       |       |       |       |       |        | 1.1    |        |        |        | 93        |          |          |           |  |  |  |  |  |  |       |       |  |  |

## PSYCHROMETRIC SUMMARY

93214                      VANDENBERG AFB CA  
STATION                      STATION NAME

7-70, 73-76, 78

MAK

PAGE 1 1890-2000

[illegible]

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GLOBAL CLIMATOLOGY BRANCH  
USAF/TAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

93214                      VANDENBERG AFB CA  
STATION                      STATION NAME

c. 7-70, 73-74, 78

YEARS

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GLOBAL CLIMATOLOGY BRANCH  
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AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA

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HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  | TOTAL |  | TOTAL |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|              | 0                                   | 1-2 | 3-4 | 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 | ≥ 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |       |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

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4 AN  
MONTH

PAGE 2

All

HOURS S. T.

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      | TOTAL     | TOTAL    |          |           |   |
|--------------|-------------------------------------|-------|-------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|-----------|----------|----------|-----------|---|
|              | 0                                   | 1 - 2 | 3 - 4 | 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 | > 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |   |
| 18 / 17      |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           | 1 |
| 16 / 15      |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           | 4 |
| 14 / 13      |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           | 1 |
| TOTAL        | 1.9                                 | 30.7  | 29.4  | 17.2  | 10.0  | 4.8    | 2.8     | 1.3     | .9      | .4      | .3      | .2      | .1      | .0      | .1      | .0      |      |           | 5386     |          | 5386      |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      | 5386      |          | 5386     |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |   |
|              |                                     |       |       |       |       |        |         |         |         |         |         | </      |         |         |         |         |      |           |          |          |           |   |

## PSYCHROMETRIC SUMMARY

93214                      VANDENBERG AFB CA  
STATION                      STATION NAME

7-70, 73

24

PAGE 1 0000-0400

[illegible]

## PSYCHROMETRIC SUMMARY

47-70,73

PAGE 1 0300-0260  
NOV 85 S T

[illegible]

**USAFETAC** FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

93214                      VANDENBERG AFB CA  
STATION                      STATION NAME

7-70, 73-78

YEARS

APR  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

**USAFETAC** FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

[illegible]

## PSYCHROMETRIC SUMMARY

93214                      VANDENBERG AFB CA  
STATION                      STATION NAME

67-70, 73-78

YEARS

APR  
MONTH

PAGE 1 120C-1400

HOURS: 10:30 - 5:00

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

APR  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

93214                      VANDENBERG AFB CA  
STATION                      STATION

67-70, 73-75, 78

APR  
MONTH

PAGE 1 1800-2000  
HOURS (S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

APR  
MONTH

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HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

APR  
MONTH

PAGE 1

ALL  
HOURS 11-5

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |        |      |      |      |        |       |          |       |                                    |       |        |       |        |       |        |           |          |          |           |  |       |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|------|--------|------|------|------|--------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|-----------|----------|----------|-----------|--|-------|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2  | 3-4    | 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 | ≥ 31   | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |  |       |  |  |  |  |  |       |  |       |  |
| 86/ 85       |                                     |      |        |      |      |      |        |       |          |       |                                    |       |        |       | .0     |       | .0     | 2         | 2        |          |           |  |       |  |  |  |  |  |       |  |       |  |
| 84/ 83       |                                     |      |        |      |      |      |        |       |          |       |                                    |       |        |       |        |       | .0     | 1         | 1        |          |           |  |       |  |  |  |  |  |       |  |       |  |
| 80/ 79       |                                     |      |        |      |      |      |        |       |          | .0    |                                    | .0    | .1     |       |        |       |        | 6         | 6        |          |           |  |       |  |  |  |  |  |       |  |       |  |
| 78/ 77       |                                     |      |        | .0   |      |      |        |       | .0       | .0    | .0                                 |       |        | .0    |        |       |        | 6         | 6        |          |           |  |       |  |  |  |  |  |       |  |       |  |
| 76/ 75       |                                     |      |        | .0   |      |      |        |       | .0       |       | .0                                 | .0    |        |       |        |       |        | 4         | 4        |          |           |  |       |  |  |  |  |  |       |  |       |  |
| 74/ 73       |                                     |      |        |      |      |      |        |       | .0       | .0    | .0                                 | .0    |        |       |        |       |        | 7         | 7        |          |           |  |       |  |  |  |  |  |       |  |       |  |
| 72/ 71       |                                     |      | .0     |      |      | .0   |        | .1    | .1       | .1    | .1                                 |       |        |       |        |       |        | 15        | 15       | ?        |           |  |       |  |  |  |  |  |       |  |       |  |
| 70/ 69       |                                     |      | .0     |      |      | .1   | .1     | .1    | .1       | .0    | .0                                 |       |        |       |        |       |        | 26        | 26       |          | 2         |  |       |  |  |  |  |  |       |  |       |  |
| 68/ 67       |                                     |      |        | .0   | .1   | .2   | .3     | .2    | .1       | .0    | .0                                 |       |        |       |        |       |        | 47        | 47       | 1        |           |  |       |  |  |  |  |  |       |  |       |  |
| 66/ 65       |                                     |      | .0     | .1   | .5   | .3   | .4     | .1    | .1       | .0    |                                    |       |        |       |        |       |        | 82        | 82       | 2        |           |  |       |  |  |  |  |  |       |  |       |  |
| 64/ 63       |                                     | .0   | .0     | .6   | .9   | .5   | .3     | .2    | .1       |       |                                    |       |        |       |        |       |        | 133       | 133      | 1        | 3         |  |       |  |  |  |  |  |       |  |       |  |
| 62/ 61       |                                     | .0   | .4     | 1.1  | 1.1  | .8   | .3     | .1    | .0       | .0    |                                    |       |        |       |        |       |        | 198       | 198      | 8        | 2         |  |       |  |  |  |  |  |       |  |       |  |
| 60/ 59       |                                     | .0   | 1.1    | 1.9  | 1.6  | 1.2  | .3     |       |          |       |                                    |       |        |       |        |       |        | 307       | 307      | 24       | 1         |  |       |  |  |  |  |  |       |  |       |  |
| 58/ 57       | .0                                  | .2   | 1.9    | 3.4  | 2.4  | 1.0  | .2     | .1    | .0       |       |                                    |       |        |       |        |       |        | 470       | 470      | 126      | 6         |  |       |  |  |  |  |  |       |  |       |  |
| 56/ 55       |                                     | .5   | 3.5    | 5.2  | 2.5  | 1.0  | .2     | .0    |          |       |                                    |       |        |       |        |       |        | 661       | 661      | 247      | 19        |  |       |  |  |  |  |  |       |  |       |  |
| 54/ 53       |                                     | 2.0  | 5.1    | 3.3  | 1.6  | .4   |        | .1    |          |       |                                    |       |        |       |        |       |        | 643       | 644      | 412      | 88        |  |       |  |  |  |  |  |       |  |       |  |
| 52/ 51       | .2                                  | 5.2  | 5.4    | 2.0  | 1.1  | .1   |        |       |          |       |                                    |       |        |       |        |       |        | 720       | 720      | 680      | 253       |  |       |  |  |  |  |  |       |  |       |  |
| 50/ 49       | .5                                  | 7.2  | 4.1    | 1.8  | .5   | .1   |        |       |          |       |                                    |       |        |       |        |       |        | 735       | 735      | 1169     | 514       |  |       |  |  |  |  |  |       |  |       |  |
| 48/ 47       | .0                                  | 5.8  | 1.6    | 1.3  | .5   | .0   |        |       |          |       |                                    |       |        |       |        |       |        | 506       | 506      | 997      | 684       |  |       |  |  |  |  |  |       |  |       |  |
| 46/ 45       | .5                                  | 2.9  | .9     | .5   | .1   |      |        |       |          |       |                                    |       |        |       |        |       |        | 254       | 254      | 652      | 694       |  |       |  |  |  |  |  |       |  |       |  |
| 44/ 43       | .1                                  | 2.0  | .4     | .2   | .1   |      |        |       |          |       |                                    |       |        |       |        |       |        | 140       | 140      | 358      | 771       |  |       |  |  |  |  |  |       |  |       |  |
| 42/ 41       | .2                                  | 1.2  | .5     | .2   | .0   |      |        |       |          |       |                                    |       |        |       |        |       |        | 109       | 109      | 240      | 562       |  |       |  |  |  |  |  |       |  |       |  |
| 40/ 39       | .2                                  | .4   | .2     |      |      |      |        |       |          |       |                                    |       |        |       |        |       |        | 39        | 39       | 127      | 400       |  |       |  |  |  |  |  |       |  |       |  |
| 38/ 37       |                                     | .0   | .2     |      |      |      |        |       |          |       |                                    |       |        |       |        |       |        | 12        | 12       | 47       | 264       |  |       |  |  |  |  |  |       |  |       |  |
| 36/ 35       | .0                                  |      | .0     |      |      |      |        |       |          |       |                                    |       |        |       |        |       |        | 4         | 4        | 25       | 190       |  |       |  |  |  |  |  |       |  |       |  |
| 34/ 33       |                                     |      |        |      |      |      |        |       |          |       |                                    |       |        |       |        |       |        |           |          | 9        | 109       |  |       |  |  |  |  |  |       |  |       |  |
| 32/ 31       |                                     |      |        |      |      |      |        |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 76        |  |       |  |  |  |  |  |       |  |       |  |
| 30/ 29       |                                     |      |        |      |      |      |        |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 53        |  |       |  |  |  |  |  |       |  |       |  |
| 28/ 27       |                                     |      |        |      |      |      |        |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 20        |  |       |  |  |  |  |  |       |  |       |  |
| 26/ 25       |                                     |      |        |      |      |      |        |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 6         |  |       |  |  |  |  |  |       |  |       |  |
| 24/ 23       |                                     |      |        |      |      |      |        |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 10        |  |       |  |  |  |  |  |       |  |       |  |
| TOTAL        | 2.3                                 | 27.6 | 25.4   | 21.6 | 12.9 | 5.8  | 2.1    | .9    | .6       | .3    | .2                                 | .1    | .1     | .0    | .0     | .0    | .0     |           | 5128     |          | 5127      |  |       |  |  |  |  |  |       |  |       |  |
|              |                                     |      |        |      |      |      |        |       |          |       |                                    |       |        |       |        |       |        | 5127      |          |          | 5127      |  |       |  |  |  |  |  |       |  |       |  |
| Element (X)  | Σx <sup>2</sup>                     |      | Σx     |      | Σ    |      | Σx     |       | No. Obs. |       | Mean No. of Hours with Temperature |       |        |       |        |       |        |           |          |          |           |  |       |  |  |  |  |  |       |  |       |  |
| Rel. Hum.    | 28494939                            |      | 374067 |      | 73.0 |      | 15.319 |       | 5127     |       | ≤ 0 F                              |       | ≤ 32 F |       | ≥ 67 F |       | ≥ 73 F |           | ≥ 80 F   |          | ≥ 93 F    |  | Total |  |  |  |  |  |       |  |       |  |
| Dry Bulb     | 14643459                            |      | 272295 |      | 53.1 |      | 6.002  |       | 5128     |       |                                    |       |        |       | 16.0   |       | 3.7    |           | .8       |          |           |  | 720   |  |  |  |  |  |       |  |       |  |
| Wet Bulb     | 12154983                            |      | 248663 |      | 48.5 |      | 4.297  |       | 5127     |       |                                    |       |        |       | .4     |       |        |           |          |          |           |  | 720   |  |  |  |  |  |       |  |       |  |
| Dew Point    | 10067917                            |      | 225611 |      | 44.0 |      | 5.226  |       | 5127     |       |                                    |       |        |       | 23.2   |       | -3     |           |          |          |           |  | 720   |  |  |  |  |  |       |  |       |  |

YEARS

MAY  
MONTH

PAGE 1 0000-0,00  
HOURS (L. S. T.)

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

## PSYCHROMETRIC SUMMARY

YEARS

MAY  
MONTH

PAGE 1 0300-0500  
HOURS (L, S, T.)

**USAFETAC** FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
(JUN 71)

**2**

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

93214                      VANDENBERG AFB CA  
STATION                      STATION

7-70, 73-78

DAY  
MONTH

PAGE 1

0600-0600  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA  
STATION STATION NAME

67-70, 73-78  
YEARS

MAY  
MONTH

PAGE 1 0900-1100  
HOURS (L, S, T, I)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |       |      |      |      |                |       |          |       |                                    |        |        |        |        |        |       |          |          |           | TOTAL<br>D.B. W.B. | TOTAL |  |  |
|--------------|-------------------------------------|------|-------|------|------|------|----------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|----------|----------|-----------|--------------------|-------|--|--|
|              | 0                                   | 1-2  | 3-4   | 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  | ≥ 31  | Dry Bulb | Wet Bulb | Dew Point |                    |       |  |  |
| 92/ 91       |                                     |      |       |      |      |      |                |       |          |       |                                    |        |        |        |        |        | .1    | 1        | 1        |           |                    |       |  |  |
| 90/ 89       |                                     |      |       |      |      |      |                |       |          |       |                                    |        |        |        |        |        | .1    | 2        | 2        |           |                    |       |  |  |
| 88/ 87       |                                     |      |       |      |      |      |                |       |          |       | .1                                 |        |        |        |        |        |       | 1        | 1        |           |                    |       |  |  |
| 86/ 85       |                                     |      |       |      |      |      |                |       |          |       | .1                                 |        |        |        |        |        |       | 1        | 1        |           |                    |       |  |  |
| 84/ 83       |                                     |      |       |      |      |      |                |       | .1       | .1    | .1                                 | .1     |        |        |        |        |       | 4        | 4        |           |                    |       |  |  |
| 82/ 81       |                                     |      |       |      |      |      |                |       |          | .1    | .1                                 |        |        |        |        |        |       | 2        | 2        |           |                    |       |  |  |
| 80/ 79       |                                     |      |       |      |      |      |                |       |          | .2    |                                    |        |        |        |        |        |       | 2        | 2        |           |                    |       |  |  |
| 78/ 77       |                                     |      |       |      |      |      |                | .1    | .4       | .4    |                                    | .1     |        |        |        |        |       | 8        | 8        |           |                    |       |  |  |
| 76/ 75       |                                     |      |       |      |      |      | .4             | .5    | .5       |       |                                    |        |        |        |        |        |       | 11       | 11       |           |                    |       |  |  |
| 74/ 73       |                                     |      |       |      |      |      | .1             | .1    | .1       | .1    |                                    |        |        |        |        |        |       | 4        | 4        |           |                    |       |  |  |
| 72/ 71       |                                     |      |       |      |      | .2   | .1             | .4    | .2       |       |                                    |        |        |        |        |        |       | 8        | 8        |           |                    |       |  |  |
| 70/ 69       |                                     |      |       | .1   | .2   | .4   | .1             | .1    | .1       |       |                                    |        |        |        |        |        |       | 9        | 9        | 1         |                    |       |  |  |
| 68/ 67       |                                     |      |       | .1   | .4   | 1.2  | .4             | .1    |          |       |                                    |        |        |        |        |        |       | 18       | 18       | 1         |                    |       |  |  |
| 66/ 65       |                                     |      | .1    | .6   | 1.0  | .8   | .2             |       |          |       |                                    |        |        |        |        |        |       | 23       | 23       | 3         |                    |       |  |  |
| 64/ 63       |                                     |      | .7    | 2.1  | 2.7  | .4   | .2             |       |          |       |                                    |        |        |        |        |        |       | 52       | 52       | 12        |                    |       |  |  |
| 62/ 61       |                                     | .1   | .7    | 2.7  | 3.2  | 1.0  | .1             |       |          |       |                                    |        |        |        |        |        |       | 66       | 66       | 19        |                    |       |  |  |
| 60/ 59       |                                     | .6   | 3.2   | 6.7  | 2.3  | 1.4  | .1             |       |          |       |                                    |        |        |        |        |        |       | 120      | 120      | 27        |                    |       |  |  |
| 58/ 57       |                                     | 1.9  | 4.8   | 6.7  | 4.3  | .7   |                |       |          |       |                                    |        |        |        |        |        |       | 154      | 154      | 65        |                    |       |  |  |
| 56/ 55       | .4                                  | 4.4  | 5.5   | 7.3  | 2.3  | .2   |                |       |          |       |                                    |        |        |        |        |        |       | 168      | 168      | 131       |                    |       |  |  |
| 54/ 53       | .6                                  | 4.3  | 6.0   | 2.7  | .1   | .2   |                |       |          |       |                                    |        |        |        |        |        |       | 117      | 117      | 170       |                    |       |  |  |
| 52/ 51       | .6                                  | 4.0  | 2.0   | .4   | .4   |      |                |       |          |       |                                    |        |        |        |        |        |       | 62       | 62       | 186       |                    |       |  |  |
| 50/ 49       | .1                                  | .6   |       |      |      |      |                |       |          |       |                                    |        |        |        |        |        |       | 6        | 6        | 181       |                    |       |  |  |
| 48/ 47       | .1                                  |      |       |      |      |      |                |       |          |       |                                    |        |        |        |        |        |       | 1        | 1        | 35        |                    |       |  |  |
| 46/ 45       |                                     |      |       |      |      |      |                |       |          |       |                                    |        |        |        |        |        |       |          |          | 5         |                    |       |  |  |
| 44/ 43       |                                     |      |       |      |      |      |                |       |          |       |                                    |        |        |        |        |        |       |          |          | 4         |                    |       |  |  |
| 42/ 41       |                                     |      |       |      |      |      |                |       |          |       |                                    |        |        |        |        |        |       |          |          |           |                    |       |  |  |
| 40/ 39       |                                     |      |       |      |      |      |                |       |          |       |                                    |        |        |        |        |        |       |          |          |           |                    |       |  |  |
| 38/ 37       |                                     |      |       |      |      |      |                |       |          |       |                                    |        |        |        |        |        |       |          |          |           |                    |       |  |  |
| 36/ 35       |                                     |      |       |      |      |      |                |       |          |       |                                    |        |        |        |        |        |       |          |          |           |                    |       |  |  |
| 34/ 33       |                                     |      |       |      |      |      |                |       |          |       |                                    |        |        |        |        |        |       |          |          |           |                    |       |  |  |
| 32/ 31       |                                     |      |       |      |      |      |                |       |          |       |                                    |        |        |        |        |        |       |          |          |           |                    |       |  |  |
| TOTAL        | 1.8                                 | 16.0 | 23.0  | 29.4 | 16.8 | 6.5  | 1.8            | 1.3   | 1.0      | 1.4   | .5                                 | .2     |        |        |        | .1     | .2    | 840      | 840      | 40        |                    |       |  |  |
|              |                                     |      |       |      |      |      |                |       |          |       |                                    |        |        |        |        |        |       | 840      |          | 840       |                    |       |  |  |
| Element (X)  | Σ X <sup>2</sup>                    |      | Σ X   |      | X̄   |      | s <sub>x</sub> |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |        |       |          |          |           |                    |       |  |  |
| Rel. Hum.    | 4334805                             |      | 59087 |      | 70.3 |      | 14.587         |       | 840      |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |          |          |           |                    |       |  |  |
| Dry Bulb     | 2920453                             |      | 49263 |      | 58.6 |      | 6.113          |       | 840      |       |                                    |        | 7.9    | 4.0    | 1.4    |        | 93    |          |          |           |                    |       |  |  |
| Wet Bulb     | 2379199                             |      | 44601 |      | 53.1 |      | 1.628          |       | 840      |       |                                    |        | .2     |        |        |        | 93    |          |          |           |                    |       |  |  |
| Dew Point    | 1979435                             |      | 40617 |      | 48.4 |      | 4.292          |       | 840      |       |                                    |        | .1     |        |        |        | 93    |          |          |           |                    |       |  |  |

## PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA  
STATION STATION NAME

67-70, 73-78

YEARS

    MAY      
MONTH

PAGE 1 1200-1400  
HOURS 12.00.00

[illegible]



## PSYCHROMETRIC SUMMARY

7-70, 73-78

PAGE 1 125C-1700

[illegible]

## PSYCHROMETRIC SUMMARY

DAY  
MONTH

PAGE 1 1800-2000

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

93214 STATION VANDENBERG AFB CA STATION NAME

7-70, 73-74

YEARS

DAY  
MONTH

PAGE 1 2100-200  
HOURS L. S. T.

HOURS 11.5, T.1

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA

67-70, 73-78

YEARS

1 MAY  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |        |      |      |      |                |       |          |       |                                    |        |        |        |        |        |       |          |          | TOTAL<br>D.B./W.B. | TOTAL |  |  |
|--------------|-------------------------------------|------|--------|------|------|------|----------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|----------|----------|--------------------|-------|--|--|
|              | 0                                   | 1-2  | 3-4    | 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  | ≥ 31  | Dry Bulb | Wet Bulb | Dew Point          |       |  |  |
| 92/ 91       |                                     |      |        |      |      |      |                |       |          |       |                                    |        |        |        |        |        | .0    | 1        | 1        |                    |       |  |  |
| 90/ 89       |                                     |      |        |      |      |      |                |       |          |       |                                    |        |        |        |        |        | .0    | 2        | 2        |                    |       |  |  |
| 88/ 87       |                                     |      |        |      |      |      |                |       |          |       | .0                                 |        |        |        |        |        | .0    | 2        | 2        |                    |       |  |  |
| 86/ 85       |                                     |      |        |      |      |      |                |       |          |       | .0                                 |        |        |        |        | .0     |       | 2        | 2        |                    |       |  |  |
| 84/ 83       |                                     |      |        |      |      |      |                |       | .0       | .0    | .0                                 | .0     |        | .0     |        |        |       | 8        | 8        |                    |       |  |  |
| 82/ 81       |                                     |      |        |      |      |      |                |       | .0       | .0    | .0                                 |        | .1     | .0     |        |        |       | 8        | 8        |                    |       |  |  |
| 80/ 79       |                                     |      |        |      |      |      |                | .0    | .1       | .1    |                                    |        |        |        |        |        |       | 8        | 8        |                    |       |  |  |
| 78/ 77       |                                     |      |        |      |      |      |                | .0    | .1       | .1    |                                    | .0     |        |        |        |        |       | 17       | 17       |                    |       |  |  |
| 76/ 75       |                                     |      |        |      |      |      | .1             | .2    | .1       | .1    | .0                                 |        |        |        |        |        |       | 29       | 29       |                    |       |  |  |
| 74/ 73       |                                     |      |        |      |      | .0   | .1             | .2    | .1       | .1    | .0                                 |        |        |        |        |        |       | 29       | 29       |                    |       |  |  |
| 72/ 71       |                                     |      |        |      | .0   | .1   | .1             | .2    | .1       |       |                                    |        |        |        |        |        |       | 25       | 25       |                    |       |  |  |
| 70/ 69       |                                     |      |        | .0   | .1   | .2   | .2             | .2    | .0       | .0    |                                    |        |        |        |        |        |       | 41       | 41       | 1                  |       |  |  |
| 68/ 67       |                                     |      |        | .1   | .3   | .4   | .2             | .0    | .1       |       |                                    |        |        |        |        |        |       | 59       | 59       | 3                  |       |  |  |
| 66/ 65       |                                     |      | .0     | .2   | .6   | .4   | .2             | .1    | .1       |       |                                    |        |        |        |        |        |       | 85       | 85       | 3                  |       |  |  |
| 64/ 63       |                                     |      | .3     | 1.0  | 1.4  | .4   | .1             | .0    |          |       |                                    |        |        |        |        |        |       | 172      | 172      | 29                 |       |  |  |
| 62/ 61       |                                     | .1   | .6     | 2.2  | 1.8  | .5   | .1             |       |          |       |                                    |        |        |        |        |        |       | 277      | 277      | 61                 |       |  |  |
| 60/ 59       |                                     | .5   | 1.8    | 4.5  | 2.2  | .5   | .0             |       |          |       |                                    |        |        |        |        |        |       | 501      | 501      | 104                |       |  |  |
| 58/ 57       |                                     | 1.5  | 4.1    | 4.7  | 2.5  | .3   | .0             |       |          |       |                                    |        |        |        |        |        |       | 693      | 693      | 223                |       |  |  |
| 56/ 55       | .3                                  | 3.3  | 5.1    | 3.8  | .9   | .1   |                |       |          |       |                                    |        |        |        |        |        |       | 700      | 700      | 536                |       |  |  |
| 54/ 53       | 1.0                                 | 5.7  | 6.9    | 1.9  | .2   | .0   |                |       |          |       |                                    |        |        |        |        |        |       | 821      | 821      | 879                |       |  |  |
| 52/ 51       | 2.2                                 | 8.6  | 6.6    | .5   | .1   |      |                |       |          |       |                                    |        |        |        |        |        |       | 949      | 949      | 1157               |       |  |  |
| 50/ 49       | .9                                  | 6.4  | 3.0    | .3   | .1   |      |                |       |          |       |                                    |        |        |        |        |        |       | 568      | 568      | 1226               |       |  |  |
| 48/ 47       | .3                                  | 1.8  | .6     | .1   |      |      |                |       |          |       |                                    |        |        |        |        |        |       | 144      | 144      | 722                |       |  |  |
| 46/ 45       | .1                                  | 1.0  | .2     | .0   |      |      |                |       |          |       |                                    |        |        |        |        |        |       | 70       | 70       | 174                |       |  |  |
| 44/ 43       | .1                                  | .4   | .1     |      |      |      |                |       |          |       |                                    |        |        |        |        |        |       | 33       | 33       | 89                 |       |  |  |
| 42/ 41       |                                     | .1   | .1     |      |      |      |                |       |          |       |                                    |        |        |        |        |        |       | 10       | 10       | 34                 |       |  |  |
| 40/ 39       |                                     | .0   | .0     |      |      |      |                |       |          |       |                                    |        |        |        |        |        |       | 2        | 2        | 12                 |       |  |  |
| 38/ 37       |                                     |      |        |      |      |      |                |       |          |       |                                    |        |        |        |        |        |       |          |          | 2                  |       |  |  |
| 36/ 35       |                                     |      |        |      |      |      |                |       |          |       |                                    |        |        |        |        |        |       |          |          | 1                  |       |  |  |
| 34/ 33       |                                     |      |        |      |      |      |                |       |          |       |                                    |        |        |        |        |        |       |          |          |                    |       |  |  |
| 32/ 31       |                                     |      |        |      |      |      |                |       |          |       |                                    |        |        |        |        |        |       |          |          |                    |       |  |  |
| TOTAL        | 4.9                                 | 29.4 | 29.3   | 19.4 | 10.2 | 3.1  | 1.2            | 1.0   | .7       | .5    | .1                                 | .1     | .1     | .1     | .0     | .0     | .1    | 5256     | 5256     | 5256               |       |  |  |
| Element (X)  | Σx'                                 |      | Σx     |      | R    |      | σ <sub>x</sub> |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |        | Total |          |          |                    |       |  |  |
| Rel. Hum.    | 32123901                            |      | 404087 |      | 76.9 |      | 14.184         |       | 5256     |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | 744   |          |          |                    |       |  |  |
| Dry Bulb     | 16375399                            |      | 291775 |      | 55.5 |      | 5.823          |       | 5256     |       |                                    |        | 32.7   | 15.0   | 3.8    |        | 744   |          |          |                    |       |  |  |
| Wet Bulb     | 13958824                            |      | 270166 |      | 51.4 |      | 3.699          |       | 5256     |       |                                    |        | .6     |        |        |        | 744   |          |          |                    |       |  |  |
| Dew Point    | 12116132                            |      | 251520 |      | 47.9 |      | 3.900          |       | 5256     |       |                                    |        |        |        |        |        | 744   |          |          |                    |       |  |  |

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

## PSYCHROMETRIC SUMMARY

YEARS

\_\_\_\_\_  
MONTH

PAGE 1 0000-0400  
HOURS (L. S. T.)

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

## PSYCHROMETRIC SUMMARY

93214                      VANDENBERG AFB CA  
STATION                      STATION NAME

67-70, 73

YEARS

JUN  
MON

PAGE 1 0300-0500  
MAY 85 5 11

NOV 25 1964

[illegible]

## PSYCHROMETRIC SUMMARY

93214                      VANDENBERG AFB CA  
STATION                      STATION NAME

67-70, 73-78

YEARS

JULY  
MONTH

PAGE 1 0600-0600  
HOURS S. I. 1

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

93214  
STATION

VANDENBERG AFB CA  
STATION NAME

7-70, 73-78  
YEARS

JUN  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |       |      |      |      |        |       |          |       |                                    |        |        |        |        |        |       |          |     |          |     | TOTAL<br>D.B. W.B. | TOTAL |  |  |
|--------------|-------------------------------------|------|-------|------|------|------|--------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|----------|-----|----------|-----|--------------------|-------|--|--|
|              | 0                                   | 1-2  | 3-4   | 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  | ≥ 31  | Dry Bulb |     | Wet Bulb |     | Dew Point          |       |  |  |
| 94/ 93       |                                     |      |       |      |      |      |        |       |          |       |                                    |        | .1     |        |        |        | .2    | 3        | 3   |          |     |                    |       |  |  |
| 92/ 91       |                                     |      |       |      |      |      |        |       |          |       |                                    |        |        |        |        |        | .2    | 2        | 2   |          |     |                    |       |  |  |
| 88/ 87       |                                     |      |       |      |      |      |        |       |          |       |                                    | .1     |        |        |        |        |       | 1        | 1   |          |     |                    |       |  |  |
| 86/ 85       |                                     |      |       |      |      |      |        |       |          |       |                                    |        |        |        | .2     |        |       | 2        | 2   |          |     |                    |       |  |  |
| 84/ 83       |                                     |      |       |      |      |      |        |       | .1       |       |                                    |        |        |        |        |        |       | 1        | 1   |          |     |                    |       |  |  |
| 82/ 81       |                                     |      |       |      |      |      |        |       |          | .1    |                                    | .1     |        |        |        |        |       | 2        | 2   |          |     |                    |       |  |  |
| 80/ 79       |                                     |      |       |      |      |      |        |       |          |       | .1                                 |        |        |        |        |        |       | 1        | 1   |          |     |                    |       |  |  |
| 78/ 77       |                                     |      |       |      |      |      |        |       | .2       |       |                                    |        |        |        |        |        |       | 2        | 2   |          |     |                    |       |  |  |
| 76/ 75       |                                     |      |       |      |      |      |        | .4    | .1       | .1    |                                    |        |        |        |        |        |       | 5        | 5   |          |     |                    |       |  |  |
| 74/ 73       |                                     |      |       |      | .2   | .1   | .2     |       | .1       |       |                                    |        |        |        |        |        |       | 6        | 6   |          |     |                    |       |  |  |
| 72/ 71       |                                     |      |       |      |      | .1   |        |       | .4       |       |                                    |        |        |        |        |        |       | 4        | 4   |          |     |                    |       |  |  |
| 70/ 69       |                                     |      |       | .1   | .5   |      | .7     |       |          |       |                                    |        |        |        |        |        |       | 15       | 15  |          | 1   |                    |       |  |  |
| 68/ 67       |                                     |      | .1    | .6   | 1.1  | 1.0  | .5     | .1    |          |       |                                    |        |        |        |        |        |       | 28       | 28  |          | 1   |                    |       |  |  |
| 66/ 65       |                                     |      | .5    | 1.7  | 2.5  | .7   | .4     |       |          |       |                                    |        |        |        |        |        |       | 47       | 47  |          | 3   |                    |       |  |  |
| 64/ 63       |                                     |      | 1.2   | 4.7  | 3.6  | .7   | .1     |       |          |       |                                    |        |        |        |        |        |       | 84       | 84  |          | 6   |                    |       |  |  |
| 62/ 61       |                                     | .2   | 4.8   | 7.7  | 3.0  | .1   |        |       |          |       |                                    |        |        |        |        |        |       | 128      | 128 |          | 25  | 3                  |       |  |  |
| 60/ 59       |                                     | 2.1  | 6.5   | 7.3  | 1.7  | .1   |        |       |          |       |                                    |        |        |        |        |        |       | 144      | 144 |          | 62  | 6                  |       |  |  |
| 58/ 57       |                                     | 3.2  | 8.4   | 4.3  | 1.6  |      |        |       |          |       |                                    |        |        |        |        |        |       | 142      | 142 |          | 154 | 28                 |       |  |  |
| 56/ 55       | .1                                  | 4.9  | 6.2   | 2.7  | .2   |      |        |       |          |       |                                    |        |        |        |        |        |       | 115      | 115 |          | 204 | 73                 |       |  |  |
| 54/ 53       | .1                                  | 3.6  | 2.7   | .1   |      |      |        |       |          |       |                                    |        |        |        |        |        |       | 53       | 53  |          | 173 | 164                |       |  |  |
| 52/ 51       |                                     | 2.5  | .2    |      |      |      |        |       |          |       |                                    |        |        |        |        |        |       | 22       | 22  |          | 134 | 177                |       |  |  |
| 50/ 49       |                                     | .2   |       |      |      |      |        |       |          |       |                                    |        |        |        |        |        |       | 2        | 2   |          | 46  | 176                |       |  |  |
| 48/ 47       |                                     | .1   |       |      |      |      |        |       |          |       |                                    |        |        |        |        |        |       | 1        | 1   |          |     | 94                 |       |  |  |
| 46/ 45       |                                     |      |       |      |      |      |        |       |          |       |                                    |        |        |        |        |        |       |          |     |          | 1   | 65                 |       |  |  |
| 44/ 43       |                                     |      |       |      |      |      |        |       |          |       |                                    |        |        |        |        |        |       |          |     |          |     | 13                 |       |  |  |
| 42/ 41       |                                     |      |       |      |      |      |        |       |          |       |                                    |        |        |        |        |        |       |          |     |          |     | 8                  |       |  |  |
| 40/ 39       |                                     |      |       |      |      |      |        |       |          |       |                                    |        |        |        |        |        |       |          |     |          |     | 1                  |       |  |  |
| 38/ 37       |                                     |      |       |      |      |      |        |       |          |       |                                    |        |        |        |        |        |       |          |     |          |     | 1                  |       |  |  |
| 36/ 35       |                                     |      |       |      |      |      |        |       |          |       |                                    |        |        |        |        |        |       |          |     |          |     | 1                  |       |  |  |
| TOTAL        | .2                                  | 16.9 | 30.7  | 29.3 | 14.4 | 3.5  | 2.0    | .9    | .6       | .2    | .1                                 | .2     | .1     | .2     |        |        | .5    | 810      | 810 |          | 810 | 910                |       |  |  |
|              |                                     |      |       |      |      |      |        |       |          |       |                                    |        |        |        |        |        |       | 810      |     |          | 810 |                    |       |  |  |
| Element (X)  | Σ X²                                |      | Σ X   |      | Σ    |      | Σ      |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |        |       |          |     |          |     |                    |       |  |  |
| Rel. Hum.    | 4415718                             |      | 58894 |      | 72.7 |      | 12.851 |       | 810      |       | ≥ 0 F                              | ≥ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |          |     |          |     |                    |       |  |  |
| Dry Bulb     | 2962934                             |      | 48778 |      | 60.2 |      | 5.618  |       | 810      |       |                                    |        | 8.0    | 2.8    | 1.3    | .3     | 90    |          |     |          |     |                    |       |  |  |
| Wet Bulb     | 2462564                             |      | 44590 |      | 55.0 |      | 3.127  |       | 810      |       |                                    |        | .2     |        |        |        | 90    |          |     |          |     |                    |       |  |  |
| Dew Point    | 2108299                             |      | 41227 |      | 50.9 |      | 3.506  |       | 810      |       |                                    |        |        |        |        |        | 90    |          |     |          |     |                    |       |  |  |



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA

67-70, 73-78

JUN  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |  |
|--------------|-------------------------------------|-----|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|--|
|              | 0                                   | 1-2 | 3-4  | 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 | * 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 94/ 93       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       | .2   | 2         | 2        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 92/ 91       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       | .1   | 2         | 2        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 88/ 87       |                                     |     |      |      |      |      |       |       |       |       |       | .1    | .2    |       |       |       | .1   | 4         | 4        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 84/ 83       |                                     |     |      |      |      |      |       |       |       |       |       |       | .1    |       |       |       |      | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 82/ 81       |                                     |     |      |      |      |      |       |       |       |       |       | .1    |       |       |       |       |      | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 80/ 79       |                                     |     |      |      |      |      | .1    |       | .1    |       |       | .2    |       |       |       |       |      | 4         | 4        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 78/ 77       |                                     |     |      |      |      | .1   |       | .1    | .1    | .1    |       |       |       |       |       |       |      | 4         | 4        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 76/ 75       |                                     |     |      |      |      |      | .1    | .4    |       |       |       |       |       |       |       |       |      | 4         | 4        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 74/ 73       |                                     |     |      |      |      |      |       | .1    |       |       |       |       |       |       |       |       |      | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 72/ 71       |                                     |     |      |      | .1   | .2   | .1    | .2    |       |       |       |       |       |       |       |       |      | 6         | 6        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 70/ 69       |                                     |     |      |      | .6   | .7   | .9    |       |       |       |       |       |       |       |       |       |      | 18        | 18       | 1        |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 68/ 67       |                                     |     |      | .9   | 2.3  | 1.5  | .5    |       |       |       |       |       |       |       |       |       |      | 42        | 42       | 2        |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 66/ 65       |                                     |     | .4   | 1.8  | 5.3  | 1.0  | .5    |       |       |       |       |       |       |       |       |       |      | 73        | 73       | 3        |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 64/ 63       |                                     | .2  | .7   | 10.1 | 7.0  | 2.0  |       |       |       |       |       |       |       |       |       |       |      | 163       | 163      | 5        | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 62/ 61       |                                     | .4  | 5.9  | 10.7 | 8.5  | .2   |       |       |       |       |       |       |       |       |       |       |      | 209       | 209      | 32       | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 60/ 59       |                                     | 1.1 | 5.8  | 10.3 | 1.2  |      |       |       |       |       |       |       |       |       |       |       |      | 150       | 150      | 96       | 7         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 58/ 57       |                                     | 1.4 | 4.4  | 3.7  | 1.1  |      |       |       |       |       |       |       |       |       |       |       |      | 86        | 86       | 217      | 25        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 56/ 55       |                                     | .4  | 3.2  | .4   | .2   |      |       |       |       |       |       |       |       |       |       |       |      | 34        | 34       | 235      | 96        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 54/ 53       |                                     | .4  | .5   |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 7         | 7        | 165      | 157       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 52/ 51       |                                     | .1  |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        | 44       | 195       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 50/ 49       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 17       | 166       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 48/ 47       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 110       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 46/ 45       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 30        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 44/ 43       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 17        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 42/ 41       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 3         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 38/ 37       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 34/ 33       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 3         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| TOTAL        |                                     | 3.9 | 20.9 | 37.9 | 26.5 | 5.8  | 2.2   | .9    | .2    | .1    |       | .5    | .4    | .1    |       | .1    | .4   |           | 812      | 812      | .12       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 812       |          | 812      |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     | </  |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |

## PSYCHROMETRIC SUMMARY

7-70, 73-78

PAGE 1 1500-1700  
HOURS 12. S. T. 1

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

## PSYCHROMETRIC SUMMARY

YEARS

JUN  
MONTH

PAGE 1 1800-2000  
HOURS (11-5-7)

[illegible]

USAFETAC FORM Q-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

## PSYCHROMETRIC SUMMARY

YEARS

HOURS 14.5 T.

[illegible]

## PSYCHROMETRIC SUMMARY

67-70, 73-78

YEARS

JUN  
MONTH

PAGE 1

[illegible]

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

## PSYCHROMETRIC SUMMARY

YEARS

105

PAGE 2

All

ALL  
HOURS L. S. T.

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

0000-0200  
MOVS S. S. T.

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAF/TAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

93214                      VANDENBERG AFB CA  
STATION                      STATION NAME

7-70,73

YEARS

— JUL —  
MAY 4

PAGE 1 0300-0200  
HOURS: S. T.

[illegible]



## PSYCHROMETRIC SUMMARY

YEARS

JUL  
MONTH

HOURS: 5-8 P.M.

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA

67-70, 73-78

JUL

PAGE 1 0900-1100

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |        |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  | TOTAL |  | TOTAL |  |  |
|--------------|-------------------------------------|--------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-----|--|-------|--|-------|--|--|
|              | 0                                   | 1-2    | 3-4  | 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 | ≥ 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |     |  |       |  |       |  |  |
| 80/ 79       |                                     |        |      |      |      |      |       |       |       |       | .1    |       |       |       |       |       |      | 1         | 1        |          |           |     |  |       |  |       |  |  |
| 74/ 73       |                                     |        |      |      |      | .2   | .6    | .1    |       |       |       |       |       |       |       |       |      | 8         | 8        |          |           |     |  |       |  |       |  |  |
| 72/ 71       |                                     |        |      |      | .5   | 1.1  | .5    |       |       |       |       |       |       |       |       |       |      | 17        | 17       |          |           |     |  |       |  |       |  |  |
| 70/ 69       |                                     |        |      | .1   | 1.0  | 1.2  | .5    |       |       |       |       |       |       |       |       |       |      | 23        | 23       |          |           |     |  |       |  |       |  |  |
| 68/ 67       |                                     |        |      | .7   | 2.7  | 1.5  |       |       |       |       |       |       |       |       |       |       |      | 40        | 40       |          |           |     |  |       |  |       |  |  |
| 66/ 65       |                                     |        | .6   | 4.5  | 4.0  | .4   |       |       |       |       |       |       |       |       |       |       |      | 76        | 76       |          |           |     |  |       |  |       |  |  |
| 64/ 63       |                                     |        | 1.2  | 6.8  | 2.4  | .5   |       |       |       |       |       |       |       |       |       |       |      | 88        | 88       |          |           |     |  |       |  |       |  |  |
| 62/ 61       | .1                                  | .4     | 6.8  | 8.3  | .7   | .1   |       |       |       |       |       |       |       |       |       |       |      | 133       | 133      | 45       | 1         |     |  |       |  |       |  |  |
| 60/ 59       |                                     | 1.7    | 10.9 | 3.2  | .1   |      |       |       |       |       |       |       |       |       |       |       |      | 129       | 129      | 108      | 8         |     |  |       |  |       |  |  |
| 58/ 57       |                                     | 6.7    | 9.0  | .2   |      |      |       |       |       |       |       |       |       |       |       |       |      | 129       | 129      | 206      | 37        |     |  |       |  |       |  |  |
| 56/ 55       |                                     | 9.0    | 3.2  |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 99        | 99       | 215      | 133       |     |  |       |  |       |  |  |
| 54/ 53       | .1                                  | 6.4    | .2   |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 55        | 55       | 157      | 259       |     |  |       |  |       |  |  |
| 52/ 51       |                                     | 1.1    |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 9         | 9        | 66       | 270       |     |  |       |  |       |  |  |
| 50/ 49       |                                     |        |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 2        | 87        |     |  |       |  |       |  |  |
| 48/ 47       |                                     |        |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 6         |     |  |       |  |       |  |  |
| 46/ 45       |                                     |        |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 5         |     |  |       |  |       |  |  |
| 44/ 43       |                                     |        |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |     |  |       |  |       |  |  |
| TOTAL        |                                     | .225.4 | 32.1 | 23.9 | 11.4 | 5.1  | 1.6   | .1    |       |       | .1    |       |       |       |       |       |      |           | 807      | 807      | 807       | 807 |  |       |  |       |  |  |
|              |                                     |        |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |       |  |       |  |  |
|              |                                     |        |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |       |  |       |  |  |
|              |                                     |        |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |       |  |       |  |  |
|              |                                     |        |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |       |  |       |  |  |
|              |                                     |        |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |       |  |       |  |  |
|              |                                     |        |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |       |  |       |  |  |
|              |                                     |        |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |       |  |       |  |  |
|              |                                     |        |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |       |  |       |  |  |
|              |                                     |        |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |       |  |       |  |  |
|              |                                     |        |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |       |  |       |  |  |
|              |                                     |        |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |       |  |       |  |  |
|              |                                     |        |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |       |  |       |  |  |
|              |                                     |        |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |       |  |       |  |  |
|              |                                     |        |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |       |  |       |  |  |
|              |                                     |        |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |       |  |       |  |  |
|              |                                     |        |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |       |  |       |  |  |
|              |                                     |        |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |       |  |       |  |  |
|              |                                     |        |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |       |  |       |  |  |
|              |                                     |        |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |       |  |       |  |  |
|              |                                     |        |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |       |  |       |  |  |
|              |                                     |        |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |       |  |       |  |  |
|              |                                     |        |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |       |  |       |  |  |
|              |                                     |        |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |       |  |       |  |  |
|              |                                     |        |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |       |  |       |  |  |
|              |                                     |        |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |       |  |       |  |  |
|              |                                     |        |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |       |  |       |  |  |
|              |                                     |        |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |       |  |       |  |  |
|              |                                     |        |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |       |  |       |  |  |
|              |                                     |        |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |       |  |       |  |  |
|              |                                     |        |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |       |  |       |  |  |
|              |                                     |        |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |       |  |       |  |  |
|              |                                     |        |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |       |  |       |  |  |
|              |                                     |        |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |       |  |       |  |  |
|              |                                     |        |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |       |  |       |  |  |
|              |                                     |        |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |       |  |       |  |  |
|              |                                     |        |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |       |  |       |  |  |

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

YEARS

**JUL**  
**MONTH**

PAGE 1 1200-1400  
HOURS (a. s. t.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA

7-70, 73-78

JUL

PAGE 1 1500-1700  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           | TOTAL | TOTAL |  |  |
|--------------|-------------------------------------|-------|-------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|-----------|----------|----------|-----------|-------|-------|--|--|
|              | 0                                   | 1 - 2 | 3 - 4 | 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 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |       |       |  |  |
| 78/ 77       |                                     |       |       |       |       |        |         |         | .1      |         |         |         |         |         |         |         |      | 1         | 1        |          |           |       |       |  |  |
| 76/ 75       |                                     |       |       |       |       |        |         | .4      |         |         |         |         |         |         |         |         |      | 3         | 3        |          |           |       |       |  |  |
| 74/ 73       |                                     |       |       |       |       |        | .3      |         |         |         |         |         |         |         |         |         |      | 2         | 2        |          |           |       |       |  |  |
| 72/ 71       |                                     |       |       |       | .3    |        | .1      |         |         |         |         |         |         |         |         |         |      | 3         | 3        |          |           |       |       |  |  |
| 70/ 69       |                                     |       |       | .1    | .4    | 1.2    | .4      |         |         |         |         |         |         |         |         |         |      | 16        | 16       |          |           |       |       |  |  |
| 68/ 67       |                                     |       | .1    | 1.1   | 2.4   | 1.4    |         |         |         |         |         |         |         |         |         |         |      | 36        | 36       |          |           |       |       |  |  |
| 66/ 65       |                                     |       | .1    | 4.7   | 5.0   | .7     |         |         |         |         |         |         |         |         |         |         |      | 76        | 77       |          |           |       |       |  |  |
| 64/ 63       |                                     | .3    | 1.4   | 12.6  | 4.8   | .4     |         |         |         |         |         |         |         |         |         |         |      | 141       | 141      | 6        |           |       |       |  |  |
| 62/ 61       |                                     | .1    | 6.0   | 11.8  | .7    |        |         |         |         |         |         |         |         |         |         |         |      | 134       | 134      | 32       |           |       |       |  |  |
| 60/ 59       | .1                                  | .7    | 17.9  | 6.5   | .1    |        |         |         |         |         |         |         |         |         |         |         |      | 183       | 183      | 94       | 11        |       |       |  |  |
| 58/ 57       | .1                                  | 1.1   | 12.5  | .3    |       |        |         |         |         |         |         |         |         |         |         |         |      | 101       | 101      | 233      | 22        |       |       |  |  |
| 56/ 55       |                                     | 1.4   | 1.7   |       |       |        |         |         |         |         |         |         |         |         |         |         |      | 22        | 22       | 255      | 103       |       |       |  |  |
| 54/ 53       |                                     | .3    | .1    |       |       |        |         |         |         |         |         |         |         |         |         |         |      | 3         | 3        | 95       | 221       |       |       |  |  |
| 52/ 51       |                                     | .1    |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      | 1         | 1        | 7        | 77        |       |       |  |  |
| 50/ 49       |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          | 74        |       |       |  |  |
| 48/ 47       |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          | 10        |       |       |  |  |
| 46/ 45       |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          | 4         |       |       |  |  |
| TOTAL        | .3                                  | 4.0   | 39.8  | 37.1  | 13.7  | 3.7    | .8      | .4      | .1      |         |         |         |         |         |         |         |      | 722       | 723      |          | 722       |       |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |       |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |       |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |       |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |       |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |       |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |       |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |       |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |       |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |       |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |       |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |       |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |       |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |       |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |       |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |       |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |       |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |       |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |       |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |       |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |       |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |       |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |       |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |       |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |       |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |       |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |       |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |       |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |       |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |       |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |       |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |       |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |       |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |       |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |       |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |       |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |       |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |       |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |       |       |  |  |

## PSYCHROMETRIC SUMMARY

93214                      VANDENBERG AFB CA  
STATION                      STATION

7-70, 73-74

JUL  
MON 14

PAGE 1 1800-2000  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

JUL  
MONTH

PAGE 1 2100-2500  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

C-7-70, 73-78

YEARS

JUL  
MONTH

PAGE 1

ALL  
HOURS U. S. T.

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

67-70, 73, 78

YEARS

AUG  
MONTH

PAGE 1 0000-0200  
HOURS (L. S. T.)

[illegible]



**2**

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA  
STATION STATION NAME

7-70, 73, 78

YEARS

AUG  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |  |
|--------------|-------------------------------------|-------|-------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|-------|--|-------|--|--|
|              | 0                                   | 1 - 2 | 3 - 4 | 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 | + 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |       |  |       |  |  |
| 60 / 59      |                                     | .4    |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      | 2         | 2        |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
| 58 / 57      |                                     | 6.2   | 1.9   |       |       |        |         |         |         |         |         |         |         |         |         |         |      | 38        | 38       | 2        |           |  |  |  |  |  |  |  |       |  |       |  |  |
| 56 / 55      |                                     | 28.5  | 3.2   | .2    |       |        |         |         |         |         |         |         |         |         |         |         |      | 149       | 149      | 48       | 34        |  |  |  |  |  |  |  |       |  |       |  |  |
| 54 / 53      | .6                                  | 36.3  | 1.1   |       |       |        |         |         |         |         |         |         |         |         |         |         |      | 177       | 177      | 168      | 99        |  |  |  |  |  |  |  |       |  |       |  |  |
| 52 / 51      |                                     | 16.3  | .6    |       |       |        |         |         |         |         |         |         |         |         |         |         |      | 79        | 79       | 181      | 175       |  |  |  |  |  |  |  |       |  |       |  |  |
| 50 / 49      |                                     | 3.4   | .4    |       |       |        |         |         |         |         |         |         |         |         |         |         |      | 18        | 18       | 51       | 119       |  |  |  |  |  |  |  |       |  |       |  |  |
| 48 / 47      |                                     | .6    |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      | 3         | 3        | 13       | 23        |  |  |  |  |  |  |  |       |  |       |  |  |
| 46 / 45      |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          | 3        | 12        |  |  |  |  |  |  |  |       |  |       |  |  |
| 44 / 43      |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          | 4         |  |  |  |  |  |  |  |       |  |       |  |  |
| TOTAL        | .6                                  | 91.8  | 7.3   | .2    |       |        |         |         |         |         |         |         |         |         |         |         |      |           | 466      | 466      | 466       |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      | 466       |          | 466      |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |

YEARS

AUG  
MONTH

HOURS (L, S, T)

U.S. AFETAC FORM 0-26-3 OL A<sub>1</sub> PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
(JUN 73)

## PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA  
STATION STATION NAME

7-70, 73-78

YEARS

ALL MONTH

PAGE 1 0900-1100

0300-770  
HOURS 1 5 7

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

AUG  
MONTH

PAGE 1 1200-1400  
HOURS (M, S, Y.)

[illegible]

## PSYCHROMETRIC SUMMARY

93214                      VANDENBERG AFB CA  
STATION                      STATION NAME

67-70, 73-78

— AUG

PAGE 1 1500-1700  
M285-5-11

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

**AUC**  
MORPH

1000-2000  
1000-2000

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
(JUN 71)

## PSYCHROMETRIC SUMMARY

YEARS

300  
MONTH

PAGE 1 2100-2500

[illegible]

## PSYCHROMETRIC SUMMARY

93214                      VANDENBERG AFB CA  
STATION                      STATION

57-70, 73-78

AUG  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

93214                      VANDENBERG AFB CA  
STATION                      STATION NAME

67-70

YEARS

SEP  
MONTH

PAGE 1 0000-0200  
HOURS (L. S. T.)

HOURS 11-5 P.M.

[illegible]

## PSYCHROMETRIC SUMMARY

7-70

YEARS

SE  
MONTH

PAGE 1 0300-0500

0300-0300  
HOURS (i.e. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 0600-0800

[illegible]

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

YEARS

SEP  
MONTH

PAGE 1 0900-1100

[illegible]

## PSYCHROMETRIC SUMMARY

93214                      VANDENBERG AFB CA  
STATION                      STATION NAME

67-70, 73-78

SEP

PAGE 2 0900-1100  
HOURS (L. S. T.)

[illegible]

YEARS

SEP  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |            |       |       |       |        |           |            |          |         |                                    |         |         |         |         |         |       |          |          |           |     |     |  |  |  |  |  |  |  |  |  | TOTAL<br>D.B. W.B. | TOTAL |  |  |
|--------------|-------------------------------------|------------|-------|-------|-------|--------|-----------|------------|----------|---------|------------------------------------|---------|---------|---------|---------|---------|-------|----------|----------|-----------|-----|-----|--|--|--|--|--|--|--|--|--|--------------------|-------|--|--|
|              | 0                                   | 1 - 2      | 3 - 4 | 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 | ≥ 31  | Dry Bulb | Wet Bulb | Dew Point |     |     |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 96/ 95       |                                     |            |       |       |       |        |           |            |          |         |                                    |         |         |         |         |         |       | .6       | 5        | 5         |     |     |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 92/ 91       |                                     |            |       |       |       |        |           |            |          |         |                                    |         |         |         |         |         |       | .1       | 1        | 1         |     |     |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 90/ 89       |                                     |            |       |       |       |        |           |            |          |         |                                    |         |         |         |         |         |       | .4       | .3       | 8         | 8   |     |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 88/ 87       |                                     |            |       |       |       |        |           |            |          |         | .1                                 |         |         | .1      |         |         |       | .3       | .3       | 6         | 6   |     |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 86/ 85       |                                     |            |       |       |       |        |           |            |          | .1      | .3                                 | .1      |         | .3      |         |         |       | .4       | .5       | 13        | 13  |     |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 84/ 83       |                                     |            |       |       |       |        |           |            |          |         | .1                                 |         |         | .3      |         | .3      |       |          |          | 5         | 5   |     |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 82/ 81       |                                     |            |       |       |       |        |           |            | .1       | .1      | .5                                 |         | .3      |         | .1      |         |       |          |          | 9         | 9   |     |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 80/ 79       |                                     |            |       |       |       |        |           |            | .1       | .6      |                                    |         | .1      | .1      |         |         |       |          |          | 8         | 8   |     |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 78/ 77       |                                     |            |       |       |       |        |           |            | .1       | .5      | .4                                 | .1      |         | .1      |         |         |       |          |          | 10        | 10  |     |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 76/ 75       |                                     |            |       |       | .1    | .8     | .1        | .1         | .1       | .3      |                                    |         |         |         |         |         |       |          |          | 12        | 12  |     |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 74/ 73       |                                     |            |       | .1    | .1    | 1.0    | 1.9       | .5         | .1       | .1      |                                    |         |         |         |         |         |       |          |          | 31        | 31  |     |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 72/ 71       |                                     |            | .1    | .6    | .9    | 1.1    | .5        | .3         | .3       |         |                                    |         |         |         |         |         |       |          |          | 30        | 30  |     |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 70/ 69       |                                     |            | .3    | 1.1   | 2.9   | 1.8    | 1.1       | .1         | .3       |         |                                    |         |         |         |         |         |       |          |          | 60        | 60  |     |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 68/ 67       |                                     | .6         | .9    | 5.2   | 4.5   | 1.6    | .8        | .1         |          |         |                                    |         |         |         |         |         |       |          |          | 109       | 109 | 7   |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 66/ 65       |                                     | .1         | 3.1   | 11.4  | 5.8   | 1.1    |           |            |          |         |                                    |         |         |         |         |         |       |          |          | 172       | 172 | 31  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 64/ 63       |                                     | .9         | 5.4   | 8.9   | 2.0   | .4     |           |            |          |         |                                    |         |         |         |         |         |       |          |          | 140       | 140 | 60  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 62/ 61       |                                     | 1.8        | 4.8   | 3.5   | .5    |        |           |            |          |         |                                    |         |         |         |         |         |       |          |          | 84        | 84  | 144 |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 60/ 59       |                                     | 2.4        | 3.8   | 1.0   |       |        |           |            |          |         |                                    |         |         |         |         |         |       |          |          | 57        | 57  | 250 |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 58/ 57       |                                     | 2.5        | 1.4   |       |       |        |           |            |          |         |                                    |         |         |         |         |         |       |          |          | 31        | 31  | 178 |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 56/ 55       |                                     | .4         |       |       |       |        |           |            |          |         |                                    |         |         |         |         |         |       |          |          | 3         | 3   | 101 |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 54/ 53       |                                     | .1         |       |       |       |        |           |            |          |         |                                    |         |         |         |         |         |       |          |          | 1         | 1   | 24  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 52/ 51       |                                     |            |       |       |       |        |           |            |          |         |                                    |         |         |         |         |         |       |          |          |           |     | 88  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 50/ 49       |                                     |            |       |       |       |        |           |            |          |         |                                    |         |         |         |         |         |       |          |          |           |     | 39  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 48/ 47       |                                     |            |       |       |       |        |           |            |          |         |                                    |         |         |         |         |         |       |          |          |           |     | 18  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 46/ 45       |                                     |            |       |       |       |        |           |            |          |         |                                    |         |         |         |         |         |       |          |          |           |     | 11  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 44/ 43       |                                     |            |       |       |       |        |           |            |          |         |                                    |         |         |         |         |         |       |          |          |           |     | 8   |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 42/ 41       |                                     |            |       |       |       |        |           |            |          |         |                                    |         |         |         |         |         |       |          |          |           |     | 6   |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 40/ 39       |                                     |            |       |       |       |        |           |            |          |         |                                    |         |         |         |         |         |       |          |          |           |     | 1   |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 38/ 37       |                                     |            |       |       |       |        |           |            |          |         |                                    |         |         |         |         |         |       |          |          |           |     | 6   |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 36/ 35       |                                     |            |       |       |       |        |           |            |          |         |                                    |         |         |         |         |         |       |          |          |           |     | 3   |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 34/ 33       |                                     |            |       |       |       |        |           |            |          |         |                                    |         |         |         |         |         |       |          |          |           |     | 3   |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 32/ 31       |                                     |            |       |       |       |        |           |            |          |         |                                    |         |         |         |         |         |       |          |          |           |     | 6   |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 30/ 29       |                                     |            |       |       |       |        |           |            |          |         |                                    |         |         |         |         |         |       |          |          |           |     | 5   |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 26/ 25       |                                     |            |       |       |       |        |           |            |          |         |                                    |         |         |         |         |         |       |          |          |           |     | 2   |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| Element (X)  | $\Sigma X^2$                        | $\Sigma X$ |       |       |       |        | $\bar{X}$ | $\sigma_X$ | No. Obs. |         | Mean No. of Hours with Temperature |         |         |         |         |         |       |          |          |           |     |     |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| Rel. Hum.    |                                     |            |       |       |       |        |           |            |          |         | ≤ 0 F                              | ≤ 32 F  | ≥ 67 F  | ≥ 73 F  | ≥ 80 F  | ≥ 93 F  | Total |          |          |           |     |     |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| Dry Bulb     |                                     |            |       |       |       |        |           |            |          |         |                                    |         |         |         |         |         |       |          |          |           |     |     |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| Wet Bulb     |                                     |            |       |       |       |        |           |            |          |         |                                    |         |         |         |         |         |       |          |          |           |     |     |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| Dew Point    |                                     |            |       |       |       |        |           |            |          |         |                                    |         |         |         |         |         |       |          |          |           |     |     |  |  |  |  |  |  |  |  |  |                    |       |  |  |

## PSYCHROMETRIC SUMMARY

YEARS

SEP  
MONTH

PAGE 2 1200-1400  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      | TOTAL     | TOTAL    |          |           |
|--------------|-------------------------------------|-------|-------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|-----------|----------|----------|-----------|
|              | 0                                   | 1 - 2 | 3 - 4 | 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 | ≥ 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 24/ 23       |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
| TOTAL        |                                     | 8.8   | 19.7  | 31.9  | 16.9  | 7.8    | 4.4     | 1.5     | 2.0     | 1.4     | .6      | .5      | .5      | .5      | .6      | 1.0     | 1.8  |           | 795      | 795      | 195       |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      | 795       |          | 795      |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     | </    |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |





## PSYCHROMETRIC SUMMARY

YEARS

SEP  
MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

93214 STATION VANDENBERG AFB CA STATION NAME

7-70, 73-74

550

PAGE 1 1000-2000

[illegible]

## PSYCHROMETRIC SUMMARY

93214                      VANDENBERG AFB CA  
STATION                      STATION NAME

7-70, 73-74

YEARS

55

PAGE 1 2100-2300

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

93214      VANDENBERG AFB CA  
STATION      STATION NAME

7-70, 73-78

SEP

PAGE 1

ALL

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |     |                |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           |       |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|------|-----|----------------|-----|------|-------|-------|-------|----------------|-------|-------|----------|-------|-------|------------------------------------|--------|-----------|----------|----------|-----------|-------|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2  | 3-4 | 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                              | 31     | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 98/ 97       |                                     |      |     |                |     |      |       |       |       |                |       |       |          |       |       |                                    |        | .0        | 1        | 1        |           |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 96/ 95       |                                     |      |     |                |     |      |       |       |       |                |       |       |          |       |       |                                    |        | .1        | 5        | 5        |           |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 94/ 93       |                                     |      |     |                |     |      |       |       |       |                |       |       |          |       |       |                                    |        | .1        | 5        | 5        |           |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 92/ 91       |                                     |      |     |                |     |      |       |       |       |                |       |       |          |       |       | .0                                 | .0     | .1        | 5        | 5        |           |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 90/ 89       |                                     |      |     |                |     |      |       |       |       |                |       | .0    |          |       |       | .1                                 | .1     | .1        | 14       | 14       |           |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 88/ 87       |                                     |      |     |                |     |      |       |       |       |                | .0    |       |          | .0    |       | .0                                 | .1     | .1        | 14       | 14       |           |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 86/ 85       |                                     |      |     |                |     |      |       |       | .0    | .0             | .0    | .0    | .1       | .1    | .1    | .1                                 | .2     | 29        | 29       |          |           |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 84/ 83       |                                     |      |     |                |     |      |       |       |       | .0             | .0    |       | .1       | .1    | .1    |                                    |        | 17        | 17       |          |           |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 82/ 81       |                                     |      |     |                |     |      | .0    | .0    | .1    |                |       | .1    | .1       | .1    |       | .0                                 | .0     | 24        | 24       |          |           |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 80/ 79       |                                     |      |     |                |     |      | .1    | .1    | .1    | .0             |       | .0    | .1       | .1    | .0    |                                    |        | 24        | 24       |          |           |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 78/ 77       |                                     |      |     |                |     | .0   | .1    | .1    | .1    | .1             | .1    | .0    | .0       |       |       |                                    |        | 29        | 29       |          |           |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 76/ 75       |                                     |      |     |                | .0  | .2   | .1    | .2    | .1    | .1             | .1    | .1    | .0       | .0    | .0    |                                    |        | 41        | 41       |          |           |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 74/ 73       |                                     |      |     | .0             | .1  | .4   | .4    | .2    | .1    | .2             | .1    | .0    | .0       | .0    |       |                                    |        | 77        | 77       |          |           |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 72/ 71       |                                     |      | .0  | .2             | .3  | .6   | .3    | .2    | .1    | .0             | .1    |       | .0       |       |       |                                    |        | 87        | 87       |          |           |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 70/ 69       |                                     | .0   | .2  | .3             | 1.1 | .7   | .4    | .1    | .1    | .1             | .1    | .1    |          |       |       |                                    |        | 150       | 150      | 1        |           |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 68/ 67       |                                     | .1   | .4  | 1.7            | 1.6 | .7   | .2    | .1    | .0    | .1             | .0    | .1    | .0       |       |       |                                    |        | 241       | 241      | 16       |           |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 66/ 65       |                                     | .2   | 1.1 | 4.3            | 2.0 | .4   | .1    | .3    | .1    | .1             | .0    | .1    |          |       |       |                                    |        | 416       | 416      | 54       | 12        |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 64/ 63       |                                     | .7   | 2.8 | 4.2            | 1.2 | .3   | .2    | .1    | .2    | .1             | .1    |       |          |       |       |                                    |        | 465       | 465      | 141      | 20        |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 62/ 61       | .0                                  | 2.7  | 4.6 | 2.9            | .5  | .1   | .2    | .1    | .1    | .0             | .0    |       |          |       |       |                                    |        | 536       | 536      | 349      | 55        |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 60/ 59       |                                     | 6.7  | 5.6 | 1.1            | .1  | .1   | .1    | .2    | .1    |                |       |       |          |       |       |                                    |        | 666       | 666      | 750      | 150       |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 58/ 57       | .1                                  | 11.7 | 3.9 | .4             | .1  | .1   | .2    | .1    | .0    |                |       |       |          |       |       |                                    |        | 792       | 792      | 1017     | 566       |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 56/ 55       | .4                                  | 9.3  | 1.7 | .3             | .1  | .1   | .1    | .0    |       |                |       |       |          |       |       |                                    |        | 574       | 574      | 1071     | 1088      |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 54/ 53       | .1                                  | 5.5  | 1.0 | .1             | .0  | .0   |       |       |       |                |       |       |          |       |       |                                    |        | 323       | 323      | 662      | 1132      |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 52/ 51       | .1                                  | 2.2  | .3  | .0             |     |      |       |       |       |                |       |       |          |       |       |                                    |        | 128       | 128      | 338      | 721       |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 50/ 49       | .1                                  | .7   | .1  |                |     |      |       |       |       |                |       |       |          |       |       |                                    |        | 40        | 40       | 163      | 353       |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 48/ 47       |                                     | .5   | .0  | .0             |     |      |       |       |       |                |       |       |          |       |       |                                    |        | 28        | 28       | 84       | 170       |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 46/ 45       |                                     | .2   | .0  |                |     |      |       |       |       |                |       |       |          |       |       |                                    |        | 12        | 12       | 70       | 87        |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 44/ 43       |                                     | .1   |     |                |     |      |       |       |       |                |       |       |          |       |       |                                    |        | 5         | 5        | 26       | 71        |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 42/ 41       |                                     |      |     |                |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          | 6        | 55        |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 40/ 39       |                                     |      |     |                |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          | 37        |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 38/ 37       |                                     |      |     |                |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          | 49        |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 36/ 35       |                                     |      |     |                |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          | 30        |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 34/ 33       |                                     |      |     |                |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          | 27        |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 32/ 31       |                                     |      |     |                |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          | 32        |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| Element (X)  | Z <sub>X</sub> <sup>2</sup>         |      |     | Z <sub>X</sub> |     |      | X̄    |       |       | σ <sub>X</sub> |       |       | No. Obs. |       |       | Mean No. of Hours with Temperature |        |           |          |          |           |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| Rel. Hum.    |                                     |      |     |                |     |      |       |       |       |                |       |       |          |       |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F    | ≥ 73 F   | ≥ 80 F   | ≥ 93 F    | Total |  |  |  |  |  |  |  |  |  |       |  |       |  |
| Dry Bulb     |                                     |      |     |                |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| Wet Bulb     |                                     |      |     |                |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| Dew Point    |                                     |      |     |                |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           |       |  |  |  |  |  |  |  |  |  |       |  |       |  |

## PSYCHROMETRIC SUMMARY

YEARS

PAGE 2

ALL

[illegible]

## PSYCHROMETRIC SUMMARY

93214                      VANDENBERG AFB CA  
STATION                      STATION NAME

7-70, 77

201

PAGE 1 0000-0200

[illegible]

## PSYCHROMETRIC SUMMARY

7-70, 77-79

PAGE 1 63JC-3200

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA

67-70, 73-78

LCI

PAGE 1 0600-0600

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |            |     |           |      |            |       |          |       |                                    |            |            |            |            |            |     |           |          |          |           |     |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |  |
|--------------|-------------------------------------|------|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|------------|------------|------------|------------|------------|-----|-----------|----------|----------|-----------|-----|--|--|--|--|--|--|--|--|--|-------|--|-------|--|--|
|              | 0                                   | 1-2  | 3-4        | 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      | *31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 76/ 75       |                                     |      |            |     |           |      |            |       | .1       |       |                                    |            |            |            |            |            |     |           | 1        | 1        |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 72/ 71       |                                     |      |            |     |           |      |            |       |          | .1    | .1                                 | .1         |            |            |            |            |     |           | 2        | 2        |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 70/ 69       |                                     |      |            |     |           |      |            | .1    | .3       | .1    |                                    | .1         | .1         |            |            |            |     |           | 6        | 6        |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 68/ 67       |                                     |      |            |     |           |      | .1         | .4    | .4       |       |                                    |            |            |            |            |            |     |           | 7        | 7        |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 66/ 65       |                                     |      |            | .3  | .3        |      | .7         | .1    | .4       | .3    |                                    |            |            |            |            |            |     |           | 15       | 15       |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 64/ 63       |                                     |      | .1         | .4  | .6        | 1.0  | .3         | .4    | .4       | .1    |                                    |            |            |            |            |            |     |           | 24       | 24       |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 62/ 61       |                                     | 1.5  | 1.1        | 1.0 | .1        | .1   | .7         | .4    |          | .3    | .1                                 |            |            |            |            |            |     |           | 39       | 39       | 1         |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 60/ 59       | .1                                  | 2.5  | 2.2        | 1.8 | 1.0       | .8   | .3         | .4    | .1       | .4    |                                    |            |            |            |            |            |     |           | 70       | 70       | 22        | 8   |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 58/ 57       | .3                                  | 5.4  | 5.7        | 1.2 | 1.1       | .7   | .3         | .1    | .1       |       |                                    |            |            |            |            |            |     |           | 108      | 108      | 33        | 19  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 56/ 55       | .3                                  | 7.3  | 6.9        | 1.5 | .4        | .4   | 1.0        |       |          |       |                                    |            |            |            |            |            |     |           | 129      | 129      | 45        | 44  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 54/ 53       | .6                                  | 12.0 | 2.5        | .8  | .4        | .6   | .3         |       | .3       |       |                                    |            |            |            |            |            |     |           | 126      | 126      | 159       | 69  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 52/ 51       | .7                                  | 5.8  | 2.9        | .3  | .3        | .4   | .4         |       |          |       |                                    |            |            |            |            |            |     |           | 78       | 78       | 138       | 133 |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 50/ 49       | .3                                  | 5.1  | 1.7        | .3  | .1        | .1   | .1         |       |          |       |                                    |            |            |            |            |            |     |           | 56       | 56       | 102       | 113 |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 48/ 47       |                                     | 3.9  | .7         |     | .1        |      | .1         |       |          |       |                                    |            |            |            |            |            |     |           | 35       | 35       | 78        | 81  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 46/ 45       | .1                                  | 2.1  | .1         |     |           |      |            |       |          |       |                                    |            |            |            |            |            |     |           | 17       | 17       | 47        | 70  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 44/ 43       | .1                                  | .8   |            |     |           |      |            |       |          |       |                                    |            |            |            |            |            |     |           | 7        | 7        | 35        | 53  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 42/ 41       |                                     |      |            |     |           |      |            |       |          |       |                                    |            |            |            |            |            |     |           |          |          | 11        | 33  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 40/ 39       |                                     | .3   |            |     |           |      |            |       |          |       |                                    |            |            |            |            |            |     |           | 2        | 2        | 6         | 13  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 38/ 37       |                                     |      |            | .1  |           |      |            |       |          |       |                                    |            |            |            |            |            |     |           | 1        | 1        | 4         | 13  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 36/ 35       |                                     |      |            |     |           |      |            |       |          |       |                                    |            |            |            |            |            |     |           |          |          |           | 14  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 34/ 33       |                                     |      |            |     |           |      |            |       |          |       |                                    |            |            |            |            |            |     |           |          |          | 1         | 14  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 32/ 31       |                                     |      |            |     |           |      |            |       |          |       |                                    |            |            |            |            |            |     |           |          |          |           | 12  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 30/ 29       |                                     |      |            |     |           |      |            |       |          |       |                                    |            |            |            |            |            |     |           |          |          |           | 8   |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 28/ 27       |                                     |      |            |     |           |      |            |       |          |       |                                    |            |            |            |            |            |     |           |          |          |           | 6   |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 26/ 25       |                                     |      |            |     |           |      |            |       |          |       |                                    |            |            |            |            |            |     |           |          |          |           | 3   |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 24/ 23       |                                     |      |            |     |           |      |            |       |          |       |                                    |            |            |            |            |            |     |           |          |          |           | 2   |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 22/ 21       |                                     |      |            |     |           |      |            |       |          |       |                                    |            |            |            |            |            |     |           |          |          |           | 3   |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 20/ 19       |                                     |      |            |     |           |      |            |       |          |       |                                    |            |            |            |            |            |     |           |          |          |           | 7   |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 18/ 17       |                                     |      |            |     |           |      |            |       |          |       |                                    |            |            |            |            |            |     |           |          |          |           | 4   |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 16/ 15       |                                     |      |            |     |           |      |            |       |          |       |                                    |            |            |            |            |            |     |           |          |          |           | 1   |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| TOTAL        | 2.5                                 | 46.7 | 23.9       | 7.7 | 4.4       | 4.1  | 4.3        | 2.1   | 1.8      | 1.8   | .3                                 | .1         | .1         |            |            |            |     |           | 723      | 723      | 723       | 723 |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |            |     |           |      |            |       |          |       |                                    |            |            |            |            |            |     |           | 723      |          | 723       |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |            |     |           |      |            |       |          |       |                                    |            |            |            |            |            |     |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| Element (X)  | $\Sigma X^2$                        |      | $\Sigma X$ |     | $\bar{X}$ |      | $\sigma_x$ |       | No. Obs. |       | Mean No. of Hours with Temperature |            |            |            |            |            |     |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| Rel. Hum.    | 4554196                             |      | 55670      |     | 77.0      |      | 19.255     |       | 723      |       | $\pm 0 F$                          | $\pm 32 F$ | $\pm 67 F$ | $\pm 73 F$ | $\pm 80 F$ | $\pm 93 F$ |     |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| Dry Bulb     | 2222736                             |      | 39924      |     | 55.2      |      | 5.012      |       | 723      |       |                                    |            | 2.1        | .1         |            |            |     |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| Wet Bulb     | 1897518                             |      | 36910      |     | 51.1      |      | 4.279      |       | 723      |       |                                    |            |            |            |            |            |     |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| Dew Point    | 1643891                             |      | 34027      |     | 47.1      |      | 7.668      |       | 723      |       |                                    |            | 5.4        |            |            |            |     |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

2

## YEARS

100 T  
MONTH

0900-110  
HOURS (i.e. S. T.)

**USAFETAC** FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

YEARS

PAGE 2

0900-1100  
HOURS L. S. T.

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   | TOTAL |  | TOTAL |  |  |
|--------------|-------------------------------------|-------|-------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|-----------|----------|----------|-----------|-----|--|--|--|--|--|---|-------|--|-------|--|--|
|              | 0                                   | 1 - 2 | 3 - 4 | 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 | * 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |     |  |  |  |  |  |   |       |  |       |  |  |
| 20/ 19       |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  | 3 |       |  |       |  |  |
| 18/ 17       |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  | 2 |       |  |       |  |  |
| TOTAL        | .4                                  | 16.4  | 18.0  | 19.3  | 13.4  | 7.8    | 6.3     | 3.5     | 2.7     | 2.4     | 2.1     | 2.5     | 2.2     | 1.2     | .7      | .4      | .5   |           | 804      | 804      | 804       | 604 |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |     |  |  |  |  |  |   |       |  |       |  |  |



## PSYCHROMETRIC SUMMARY

YEARS

٢٤٢

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

# PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA  
STATION STATION NAME

7-70, 73-78  
YEARS

100  
HOURS

PAGE 1 1500-1700  
HOURS

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |      |       |     |      |       |       |       |        |       |       |          |       |       |                                    |        |        |        |          |          |           |     |  |  |       |  |  |  |  |  | TOTAL |  |  | TOTAL |  |
|--------------|-------------------------------------|------|------|-------|-----|------|-------|-------|-------|--------|-------|-------|----------|-------|-------|------------------------------------|--------|--------|--------|----------|----------|-----------|-----|--|--|-------|--|--|--|--|--|-------|--|--|-------|--|
|              | 0                                   | 1-2  | 3-4  | 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                              | * 31   | D.B.   | W.B.   | Dry Bulb | Wet Bulb | Dew Point |     |  |  |       |  |  |  |  |  |       |  |  |       |  |
| 86/ 85       |                                     |      |      |       |     |      |       |       |       |        |       |       |          | .1    |       |                                    |        | 1      |        |          |          | 1         |     |  |  |       |  |  |  |  |  |       |  |  |       |  |
| 82/ 81       |                                     |      |      |       |     |      |       |       |       | .1     |       |       |          |       |       | .3                                 |        | 3      |        |          |          | 3         |     |  |  |       |  |  |  |  |  |       |  |  |       |  |
| 80/ 79       |                                     |      |      |       |     |      |       |       |       | .1     |       |       |          | .3    | .1    |                                    |        | 4      |        |          |          | 4         |     |  |  |       |  |  |  |  |  |       |  |  |       |  |
| 78/ 77       |                                     |      |      |       |     |      |       |       |       | .1     | .1    | .1    | .1       | .1    |       |                                    |        | 5      |        |          |          | 5         |     |  |  |       |  |  |  |  |  |       |  |  |       |  |
| 76/ 75       |                                     |      |      |       | .1  | .1   | .1    |       | .4    |        | .1    | .3    | .1       | .3    |       |                                    |        | 17     |        |          |          | 12        |     |  |  |       |  |  |  |  |  |       |  |  |       |  |
| 74/ 73       |                                     |      |      |       | .1  |      | .3    | .5    |       |        |       | .4    | .1       |       |       |                                    |        | 11     |        |          |          | 11        |     |  |  |       |  |  |  |  |  |       |  |  |       |  |
| 72/ 71       |                                     |      |      | .1    |     | .3   | .3    | .4    | .5    | .4     | .3    |       |          |       |       |                                    |        | 17     |        |          |          | 17        |     |  |  |       |  |  |  |  |  |       |  |  |       |  |
| 70/ 69       |                                     |      |      | .4    | .4  | .8   | .9    | .3    | .3    | .3     | .3    | .1    |          |       |       |                                    |        | 28     |        |          |          | 28        |     |  |  |       |  |  |  |  |  |       |  |  |       |  |
| 68/ 67       |                                     | .1   | .7   | .7    | 2.4 | 1.6  | .9    | .3    | .1    | .3     |       |       |          |       |       |                                    |        | 53     |        |          |          | 53        | 1   |  |  |       |  |  |  |  |  |       |  |  |       |  |
| 66/ 65       |                                     |      | .3   | 3.3   | 3.4 | 2.2  | .3    | .5    | .1    |        |       |       |          |       |       |                                    |        | 74     |        |          |          | 74        | 5   |  |  |       |  |  |  |  |  |       |  |  |       |  |
| 64/ 63       |                                     |      | 1.6  | 6.2   | 4.2 | .4   | .1    |       | .1    |        |       |       |          |       |       |                                    |        | 94     |        |          |          | 94        | 12  |  |  |       |  |  |  |  |  |       |  |  |       |  |
| 62/ 61       | .4                                  | 1.1  | 7.9  | 7.2   | 2.8 |      |       | .1    |       |        |       |       |          |       |       |                                    |        | 143    |        |          |          | 143       | 28  |  |  |       |  |  |  |  |  |       |  |  |       |  |
| 60/ 59       | .1                                  | 3.4  | 11.0 | 5.8   | .5  |      |       | .1    |       |        |       |       |          |       |       |                                    |        | 155    |        |          |          | 155       | 101 |  |  |       |  |  |  |  |  |       |  |  |       |  |
| 58/ 57       |                                     | 4.5  | 7.9  | .9    | .1  | .1   |       |       |       |        |       |       |          |       |       |                                    |        | 100    |        |          |          | 100       | 243 |  |  |       |  |  |  |  |  |       |  |  |       |  |
| 56/ 55       | .1                                  | 1.9  | 1.6  | .3    | .1  |      |       |       |       |        |       |       |          |       |       |                                    |        | 30     |        |          |          | 30        | 234 |  |  |       |  |  |  |  |  |       |  |  |       |  |
| 54/ 53       |                                     | .7   | .1   | .1    |     |      |       |       |       |        |       |       |          |       |       |                                    |        | 7      |        |          |          | 7         | 107 |  |  |       |  |  |  |  |  |       |  |  |       |  |
| 52/ 51       |                                     |      |      |       |     |      |       |       |       |        |       |       |          |       |       |                                    |        |        |        |          | 33       | 167       |     |  |  |       |  |  |  |  |  |       |  |  |       |  |
| 50/ 49       |                                     |      |      |       |     |      |       |       |       |        |       |       |          |       |       |                                    |        |        |        |          | 10       | 101       |     |  |  |       |  |  |  |  |  |       |  |  |       |  |
| 48/ 47       |                                     |      |      |       |     |      |       |       |       |        |       |       |          |       |       |                                    |        |        |        |          | 2        | 43        |     |  |  |       |  |  |  |  |  |       |  |  |       |  |
| 46/ 45       |                                     |      |      |       |     |      |       |       |       |        |       |       |          |       |       |                                    |        |        |        |          | 1        | 14        |     |  |  |       |  |  |  |  |  |       |  |  |       |  |
| 44/ 43       |                                     |      |      |       |     |      |       |       |       |        |       |       |          |       |       |                                    |        |        |        |          |          | 10        |     |  |  |       |  |  |  |  |  |       |  |  |       |  |
| 42/ 41       |                                     |      |      |       |     |      |       |       |       |        |       |       |          |       |       |                                    |        |        |        |          |          | 9         |     |  |  |       |  |  |  |  |  |       |  |  |       |  |
| 40/ 39       |                                     |      |      |       |     |      |       |       |       |        |       |       |          |       |       |                                    |        |        |        |          |          | 4         |     |  |  |       |  |  |  |  |  |       |  |  |       |  |
| 38/ 37       |                                     |      |      |       |     |      |       |       |       |        |       |       |          |       |       |                                    |        |        |        |          |          | 5         |     |  |  |       |  |  |  |  |  |       |  |  |       |  |
| 36/ 35       |                                     |      |      |       |     |      |       |       |       |        |       |       |          |       |       |                                    |        |        |        |          |          | 6         |     |  |  |       |  |  |  |  |  |       |  |  |       |  |
| 34/ 33       |                                     |      |      |       |     |      |       |       |       |        |       |       |          |       |       |                                    |        |        |        |          |          | 8         |     |  |  |       |  |  |  |  |  |       |  |  |       |  |
| 32/ 31       |                                     |      |      |       |     |      |       |       |       |        |       |       |          |       |       |                                    |        |        |        |          |          | 5         |     |  |  |       |  |  |  |  |  |       |  |  |       |  |
| 30/ 29       |                                     |      |      |       |     |      |       |       |       |        |       |       |          |       |       |                                    |        |        |        |          |          | 2         |     |  |  |       |  |  |  |  |  |       |  |  |       |  |
| 28/ 27       |                                     |      |      |       |     |      |       |       |       |        |       |       |          |       |       |                                    |        |        |        |          |          | 4         |     |  |  |       |  |  |  |  |  |       |  |  |       |  |
| 26/ 25       |                                     |      |      |       |     |      |       |       |       |        |       |       |          |       |       |                                    |        |        |        |          |          | 2         |     |  |  |       |  |  |  |  |  |       |  |  |       |  |
| 24/ 23       |                                     |      |      |       |     |      |       |       |       |        |       |       |          |       |       |                                    |        |        |        |          |          | 2         |     |  |  |       |  |  |  |  |  |       |  |  |       |  |
| 20/ 19       |                                     |      |      |       |     |      |       |       |       |        |       |       |          |       |       |                                    |        |        |        |          |          | 1         |     |  |  |       |  |  |  |  |  |       |  |  |       |  |
| TOTAL        | .5                                  | 11.7 | 1.1  | 25.1  | 4.4 | 5.6  | 3.0   | 2.3   | 1.6   | 1.4    | .8    | .9    | .4       | .8    | .1    | .3                                 |        | 737    |        |          | 737      |           | 737 |  |  |       |  |  |  |  |  |       |  |  |       |  |
| Element (X)  | Σ x'                                |      |      | Σ x   |     |      | Σ     |       |       | Σ x    |       |       | No. Obs. |       |       | Mean No. of Hours with Temperature |        |        |        |          |          |           |     |  |  | Total |  |  |  |  |  |       |  |  |       |  |
| Rel. Hum.    | 3717539                             |      |      | 50977 |     |      | 69.2  |       |       | 16.132 |       |       | 737      |       |       | ≤ 0 F                              | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F   | ≤ 93 F   |           |     |  |  |       |  |  |  |  |  |       |  |  |       |  |
| Dry Bulb     | 2907155                             |      |      | 46145 |     |      | 62.6  |       |       | 4.935  |       |       | 737      |       |       |                                    |        | 16.9   | 4.5    | .9       |          | 93        |     |  |  |       |  |  |  |  |  |       |  |  |       |  |
| Wet Bulb     | 2352332                             |      |      | 41588 |     |      | 56.4  |       |       | 2.752  |       |       | 737      |       |       |                                    |        | .1     |        |          |          | 93        |     |  |  |       |  |  |  |  |  |       |  |  |       |  |
| Dew Point    | 1966884                             |      |      | 37842 |     |      | 51.3  |       |       | 5.692  |       |       | 737      |       |       | 2.0                                |        |        |        |          |          | 93        |     |  |  |       |  |  |  |  |  |       |  |  |       |  |

## PSYCHROMETRIC SUMMARY

20

PAGE 1 1800-200

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**2**

## YEARS

57-70, 73-74, 77-78

201

USAFETAC FORM 0-26.3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUL 71



AD-A082 417 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC P/S 4/9  
VANDENBERG AFB, LONGOC, CALIFORNIA. REVISED UNIFORM SUMMARY OF --ETC(U)  
AUG 78

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC P/O 9/9  
VANDENBERG AFB, LOMPOC, CALIFORNIA. REVISED UNIFORM SUMMARY OF --ETC(U)  
AUG 79

USAFETAC/DE-00/025

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## PSYCHROMETRIC SUMMARY

93214 STATION VANDENBERG AFB CA STATION NAME

57-70, 73-78

YEARS

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PAGE 1

441

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**2**

GLOBAL CLIMATOLOGY BRANCH  
USAF/TAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

93214                      VANDENBERG AFB CA  
STATION                      STATION NAME

67-70, 73-78

YEARS

25 OCT  
MONTH

PAGE 2

ALL  
URS (L.S.)

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GLOBAL CLIMATOLOGY BRANCH  
USAF/FTAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

93214                      VANDENBERG AFB CA  
STATION                      STATION NAME

67-70

YEARS

245  
MONTH

PAGE 1 0000-0200  
HOURS (L. S. T.)

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7-70

YEARS

710 V  
MONTH

PAGE 1 0300-0500  
HOURS (L S T)

[illegible]

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

93214                      VANDENBERG AFB CA  
STATION                      STATION NAME

67-70, 73-78

YEARS

NOV  
MONTH

PAGE 1 0600-0800  
HOURS (L. S. T.)

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YEARS

NOV  
 MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

[illegible]

2

GLOBAL CLIMATOLOGY BRANCH  
USAFFTAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

93214                      VANDENBERG AFB CA  
STATION                      STATION NAME

7-70, 73-78

YEARS

40V  
MONTH

PAGE 2 0900-1100

0900-1100  
HOURS (L, S, T)

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## PSYCHROMETRIC SUMMARY

YEARS

     JULY       
MONTH

PAGE 2 1200-1400  
HOURS (L. S. T.)

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YEARS

2115  
MONTH

PAGE 1 1200-1400  
HOURS (L, S, T, I)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |            |     |      |           |       |       |            |       |       |          |       |       |                                    |      |             |          |             |           |             |  |             |  |             |  |       |  |  |  | TOTAL |  | TOTAL |  |  |
|--------------|-------------------------------------|-----|-----|------------|-----|------|-----------|-------|-------|------------|-------|-------|----------|-------|-------|------------------------------------|------|-------------|----------|-------------|-----------|-------------|--|-------------|--|-------------|--|-------|--|--|--|-------|--|-------|--|--|
|              | 0                                   | 1-2 | 3-4 | 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                              | * 31 | D.B. W.B.   | Dry Bulb | Wet Bulb    | Dew Point |             |  |             |  |             |  |       |  |  |  |       |  |       |  |  |
| 84/ 83       |                                     |     |     |            |     |      |           |       |       |            | .1    |       |          | .1    |       |                                    |      | 2           | 2        |             |           |             |  |             |  |             |  |       |  |  |  |       |  |       |  |  |
| 82/ 81       |                                     |     |     |            |     |      |           |       |       | .3         |       | .3    | .1       | .3    |       |                                    |      | 7           | 7        |             |           |             |  |             |  |             |  |       |  |  |  |       |  |       |  |  |
| 80/ 79       |                                     |     |     |            |     |      |           |       | .1    | .4         | .1    | .4    | .6       | .1    |       | .3                                 |      | 16          | 16       |             |           |             |  |             |  |             |  |       |  |  |  |       |  |       |  |  |
| 78/ 77       |                                     |     |     |            |     |      | .1        | .1    | .4    |            | .3    | .3    | .3       |       | .1    |                                    |      | 13          | 13       |             |           |             |  |             |  |             |  |       |  |  |  |       |  |       |  |  |
| 76/ 75       |                                     |     |     |            |     |      |           | .3    | .4    | .9         | .5    | .4    | .6       | .3    | .4    | .3                                 |      | 31          | 31       |             |           |             |  |             |  |             |  |       |  |  |  |       |  |       |  |  |
| 74/ 73       |                                     |     |     |            |     |      |           | .3    | .6    | .5         | .6    | .3    | .4       | .3    |       |                                    |      | 23          | 23       |             |           |             |  |             |  |             |  |       |  |  |  |       |  |       |  |  |
| 72/ 71       |                                     |     |     |            | .1  | .8   | 1.1       | 1.3   | 1.1   | .4         | .5    | .6    | .3       |       |       |                                    |      | 49          | 49       |             |           |             |  |             |  |             |  |       |  |  |  |       |  |       |  |  |
| 70/ 69       |                                     |     |     | .1         | .5  | 1.3  | 1.3       | 1.1   | 1.1   | .1         | .8    | .5    |          |       |       |                                    |      | 54          | 54       |             |           |             |  |             |  |             |  |       |  |  |  |       |  |       |  |  |
| 68/ 67       |                                     |     |     | .5         | 2.0 | 2.0  | 1.4       | .9    | .6    |            | .3    |       |          |       |       |                                    |      | 61          | 61       | 1           |           |             |  |             |  |             |  |       |  |  |  |       |  |       |  |  |
| 66/ 65       |                                     |     | .9  | 1.7        | 2.4 | 1.7  | 1.9       | .6    | .3    | .4         | .1    |       |          |       |       |                                    |      | 78          | 78       | 3           |           |             |  |             |  |             |  |       |  |  |  |       |  |       |  |  |
| 64/ 63       |                                     | .1  | 1.3 | 3.4        | 3.7 | 1.8  | 1.3       | .8    | .6    |            |       |       |          |       |       |                                    |      | 102         | 102      | 9           | 1         |             |  |             |  |             |  |       |  |  |  |       |  |       |  |  |
| 62/ 61       |                                     | .5  | 2.5 | 4.2        | 3.4 | 2.0  | 1.3       |       |       |            |       |       |          |       |       |                                    |      | 110         | 110      | 37          |           |             |  |             |  |             |  |       |  |  |  |       |  |       |  |  |
| 60/ 59       |                                     | 1.8 | 3.7 | 4.2        | 1.5 | 2.4  | .5        | .1    |       |            |       |       |          |       |       |                                    |      | 117         | 112      | 100         | 12        |             |  |             |  |             |  |       |  |  |  |       |  |       |  |  |
| 58/ 57       |                                     | 1.3 | 2.4 | 2.0        | 2.2 | .6   | .3        | .3    |       |            |       |       |          |       |       |                                    |      | 71          | 71       | 159         | 21        |             |  |             |  |             |  |       |  |  |  |       |  |       |  |  |
| 56/ 55       |                                     | .9  | 1.7 | 1.4        | .9  | .6   | .1        |       | .3    |            |       |       |          |       |       |                                    |      | 46          | 46       | 151         | 67        |             |  |             |  |             |  |       |  |  |  |       |  |       |  |  |
| 54/ 53       |                                     | .3  | .3  | .1         |     |      |           | .1    |       |            |       |       |          |       |       |                                    |      | 6           | 6        | 123         | 86        |             |  |             |  |             |  |       |  |  |  |       |  |       |  |  |
| 52/ 51       |                                     |     |     |            |     |      |           |       |       |            |       |       |          |       |       |                                    |      |             |          | 80          | 113       |             |  |             |  |             |  |       |  |  |  |       |  |       |  |  |
| 50/ 49       |                                     | .1  | .1  |            |     |      |           |       |       |            |       |       |          |       |       |                                    |      | 2           | 2        | 78          | 83        |             |  |             |  |             |  |       |  |  |  |       |  |       |  |  |
| 48/ 47       |                                     |     |     | .3         |     |      |           |       |       |            |       |       |          |       |       |                                    |      | 2           | 2        | 30          | 100       |             |  |             |  |             |  |       |  |  |  |       |  |       |  |  |
| 46/ 45       |                                     |     |     |            |     |      |           |       |       |            |       |       |          |       |       |                                    |      |             |          | 8           | 53        |             |  |             |  |             |  |       |  |  |  |       |  |       |  |  |
| 44/ 43       |                                     |     |     |            |     |      |           |       |       |            |       |       |          |       |       |                                    |      |             |          | 3           | 42        |             |  |             |  |             |  |       |  |  |  |       |  |       |  |  |
| 42/ 41       |                                     |     |     |            |     |      |           |       |       |            |       |       |          |       |       |                                    |      |             |          | 1           | 58        |             |  |             |  |             |  |       |  |  |  |       |  |       |  |  |
| 40/ 39       |                                     |     |     |            |     |      |           |       |       |            |       |       |          |       |       |                                    |      |             |          |             | 38        |             |  |             |  |             |  |       |  |  |  |       |  |       |  |  |
| 38/ 37       |                                     |     |     |            |     |      |           |       |       |            |       |       |          |       |       |                                    |      |             |          | 2           | 33        |             |  |             |  |             |  |       |  |  |  |       |  |       |  |  |
| 36/ 35       |                                     |     |     |            |     |      |           |       |       |            |       |       |          |       |       |                                    |      |             |          |             | 15        |             |  |             |  |             |  |       |  |  |  |       |  |       |  |  |
| 34/ 33       |                                     |     |     |            |     |      |           |       |       |            |       |       |          |       |       |                                    |      |             |          |             | 12        |             |  |             |  |             |  |       |  |  |  |       |  |       |  |  |
| 32/ 31       |                                     |     |     |            |     |      |           |       |       |            |       |       |          |       |       |                                    |      |             |          |             | 7         |             |  |             |  |             |  |       |  |  |  |       |  |       |  |  |
| 30/ 29       |                                     |     |     |            |     |      |           |       |       |            |       |       |          |       |       |                                    |      |             |          |             | 17        |             |  |             |  |             |  |       |  |  |  |       |  |       |  |  |
| 28/ 27       |                                     |     |     |            |     |      |           |       |       |            |       |       |          |       |       |                                    |      |             |          |             | 6         |             |  |             |  |             |  |       |  |  |  |       |  |       |  |  |
| 26/ 25       |                                     |     |     |            |     |      |           |       |       |            |       |       |          |       |       |                                    |      |             |          |             | 5         |             |  |             |  |             |  |       |  |  |  |       |  |       |  |  |
| 24/ 23       |                                     |     |     |            |     |      |           |       |       |            |       |       |          |       |       |                                    |      |             |          |             | 5         |             |  |             |  |             |  |       |  |  |  |       |  |       |  |  |
| 22/ 21       |                                     |     |     |            |     |      |           |       |       |            |       |       |          |       |       |                                    |      |             |          |             | 3         |             |  |             |  |             |  |       |  |  |  |       |  |       |  |  |
| 20/ 19       |                                     |     |     |            |     |      |           |       |       |            |       |       |          |       |       |                                    |      |             |          |             | 7         |             |  |             |  |             |  |       |  |  |  |       |  |       |  |  |
| 18/ 17       |                                     |     |     |            |     |      |           |       |       |            |       |       |          |       |       |                                    |      |             |          |             | 1         |             |  |             |  |             |  |       |  |  |  |       |  |       |  |  |
| Element (X)  | $\Sigma X^2$                        |     |     | $\Sigma X$ |     |      | $\bar{X}$ |       |       | $\sigma_X$ |       |       | No. Obs. |       |       | Mean No. of Hours with Temperature |      |             |          |             |           |             |  |             |  |             |  |       |  |  |  |       |  |       |  |  |
| Rel. Hum.    |                                     |     |     |            |     |      |           |       |       |            |       |       |          |       |       | $\leq 0$ F                         |      | $\leq 32$ F |          | $\leq 67$ F |           | $\leq 73$ F |  | $\leq 80$ F |  | $\leq 93$ F |  | Total |  |  |  |       |  |       |  |  |
| Dry Bulb     |                                     |     |     |            |     |      |           |       |       |            |       |       |          |       |       |                                    |      |             |          |             |           |             |  |             |  |             |  |       |  |  |  |       |  |       |  |  |
| Wet Bulb     |                                     |     |     |            |     |      |           |       |       |            |       |       |          |       |       |                                    |      |             |          |             |           |             |  |             |  |             |  |       |  |  |  |       |  |       |  |  |
| Dew Point    |                                     |     |     |            |     |      |           |       |       |            |       |       |          |       |       |                                    |      |             |          |             |           |             |  |             |  |             |  |       |  |  |  |       |  |       |  |  |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA

67-70, 73-78

YEARS

MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       | TOTAL     | TOTAL    |          |           |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|----------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-----------|----------|----------|-----------|--|
|              | 0                                   | 1-2 | 3-4 | 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  | ≥ 31  | O.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |  |
| 82/ 81       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        | .1     |        |        |       | 1         | 1        |          |           |  |
| 80/ 79       |                                     |     |     |     |     |      |                |       |          | .1    | .1                                 |        |        |        |        |        |       | 2         | 2        |          |           |  |
| 78/ 77       |                                     |     |     |     |     |      | .3             | .1    | .1       | .1    |                                    |        |        |        | .1     |        |       | 6         | 6        |          |           |  |
| 76/ 75       |                                     |     |     |     |     |      |                |       |          |       | .3                                 | .3     |        |        | .1     |        |       | 5         | 5        |          |           |  |
| 74/ 73       |                                     |     |     |     |     |      |                | .4    |          |       |                                    |        |        |        |        |        |       | 3         | 3        |          |           |  |
| 72/ 71       |                                     |     |     |     |     |      |                | .3    | .5       | .3    | .5                                 | .4     |        |        |        |        |       | 15        | 15       |          |           |  |
| 70/ 69       |                                     |     |     |     | .3  | .8   | .3             | .5    | .4       | .3    | .3                                 |        |        |        |        |        |       | 21        | 22       |          |           |  |
| 68/ 67       |                                     |     |     | .1  | 1.0 | .6   | .6             | .1    | .3       | .6    | .4                                 |        |        |        |        |        |       | 30        | 30       | 1        |           |  |
| 66/ 65       |                                     |     | .1  | 1.4 | 1.7 | 1.3  | .8             | .4    | .3       | .3    | .1                                 |        |        |        |        |        |       | 49        | 49       | 2        |           |  |
| 64/ 63       |                                     | .3  | .9  | 3.5 | 2.6 | 1.4  | .8             | .5    | .3       | .1    |                                    |        |        |        |        |        |       | 80        | 80       | 1        |           |  |
| 62/ 61       |                                     | .5  | 2.8 | 4.4 | 2.6 | .9   | .6             |       |          |       |                                    |        |        |        |        |        |       | 92        | 92       | 11       | 1         |  |
| 60/ 59       |                                     | 1.7 | 7.9 | 5.1 | 1.8 | .9   | .4             |       | .1       |       |                                    |        |        |        |        |        |       | 140       | 140      | 55       | 6         |  |
| 58/ 57       | .3                                  | 4.4 | 7.1 | 4.2 | 2.1 | .3   | .1             | .1    |          | .1    |                                    |        |        |        |        |        |       | 145       | 145      | 104      | 22        |  |
| 56/ 55       |                                     | 4.5 | 6.4 | 2.9 | 1.3 | .1   |                | .1    | .1       |       |                                    |        |        |        |        |        |       | 121       | 121      | 197      | 68        |  |
| 54/ 53       | .1                                  | 1.8 | 2.8 | 1.4 | .1  |      |                | .1    |          |       |                                    |        |        |        |        |        |       | 50        | 50       | 163      | 111       |  |
| 52/ 51       |                                     | .4  | 1.2 | .3  |     |      | .1             |       |          |       |                                    |        |        |        |        |        |       | 15        | 15       | 118      | 155       |  |
| 50/ 49       |                                     | .1  |     | .1  |     |      |                |       |          |       |                                    |        |        |        |        |        |       | 2         | 2        | 67       | 110       |  |
| 48/ 47       |                                     |     | .1  | .1  |     |      |                |       |          |       |                                    |        |        |        |        |        |       | 2         | 2        | 26       | 84        |  |
| 46/ 45       |                                     |     | .1  |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       | 1         | 1        | 5        | 77        |  |
| 44/ 43       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          | 5        | 40        |  |
| 42/ 41       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          | 3        | 26        |  |
| 40/ 39       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          | 2        | 23        |  |
| 38/ 37       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 8         |  |
| 36/ 35       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 10        |  |
| 34/ 33       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 15        |  |
| 32/ 31       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 7         |  |
| 30/ 29       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 1         |  |
| 28/ 27       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 6         |  |
| 26/ 25       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 4         |  |
| 24/ 23       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 1         |  |
| 22/ 21       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 1         |  |
| 20/ 19       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 1         |  |
| 18/ 17       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 2         |  |
| 16/ 15       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 1         |  |
| Element (X)  | Σ X <sup>2</sup>                    |     | Σ X |     | X̄  |      | σ <sub>x</sub> |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |        |       |           |          |          |           |  |
| Rel. Hum.    |                                     |     |     |     |     |      |                |       |          |       | ≤ 0 F                              | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |           |          |          |           |  |
| Dry Bulb     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           |  |
| Wet Bulb     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           |  |
| Dew Point    |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           |  |

## PSYCHROMETRIC SUMMARY

YEARS

44V  
MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

## PSYCHROMETRIC SUMMARY

93214                      VANDENBERG AFB CA  
STATION                      STATION

7-70, 73-74

100  
MAY 1964

PAGE 1 1000-2000  
NO. RE. S. T.

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

NO. 15

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA

7-70, 73-78

YEARS

NOV  
MONTH

PAGE 1

ALL  
HOURS U.S.T.

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |      |      |          |          |           |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|              | 0                                   | 1-2 | 3-4 | 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 | >31 | D.B. | W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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YEARS

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## PSYCHROMETRIC SUMMARY

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| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |       |      |      |      |        |       |          |       |                                    |       |        |       |        |       |        |          |          |           |        |  |       |  |  |  |  |  | TOTAL<br>D.B. W.B. | TOTAL |  |
|--------------|-------------------------------------|------|-------|------|------|------|--------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|----------|----------|-----------|--------|--|-------|--|--|--|--|--|--------------------|-------|--|
|              | 0                                   | 1-2  | 3-4   | 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 | * 31   | Dry Bulb | Wet Bulb | Dew Point |        |  |       |  |  |  |  |  |                    |       |  |
| 68/ 67       |                                     |      |       |      |      |      |        |       |          |       |                                    | .3    |        |       |        |       |        | 1        | 1        |           |        |  |       |  |  |  |  |  |                    |       |  |
| 66/ 65       |                                     |      |       |      |      |      |        |       |          |       |                                    | .5    |        |       |        |       |        | 2        | 2        |           |        |  |       |  |  |  |  |  |                    |       |  |
| 60/ 59       |                                     | .8   |       |      |      |      |        |       |          |       | .8                                 |       |        |       |        |       |        | 6        | 6        |           |        |  |       |  |  |  |  |  |                    |       |  |
| 58/ 57       |                                     | 1.6  |       |      |      |      |        | .3    | .3       |       |                                    |       |        |       |        |       |        | 8        | 8        | 8         | 5      |  |       |  |  |  |  |  |                    |       |  |
| 56/ 55       |                                     | 1.6  | .3    |      |      |      |        |       |          |       |                                    |       |        |       |        |       |        | 7        | 7        | 4         | 7      |  |       |  |  |  |  |  |                    |       |  |
| 54/ 53       |                                     | 1.3  | 1.6   |      |      |      | .3     |       |          |       |                                    |       |        |       |        |       |        | 12       | 12       | 4         | 2      |  |       |  |  |  |  |  |                    |       |  |
| 52/ 51       |                                     | 3.7  | 1.9   | .8   | .5   |      |        |       |          |       |                                    |       |        |       |        |       |        | 26       | 26       | 9         | 3      |  |       |  |  |  |  |  |                    |       |  |
| 50/ 49       |                                     | 4.5  | 2.7   | 2.9  | .5   |      |        |       |          |       |                                    |       |        |       |        |       |        | 40       | 40       | 23        | 15     |  |       |  |  |  |  |  |                    |       |  |
| 48/ 47       |                                     | 5.6  | 4.0   | 2.1  |      |      |        |       |          |       |                                    |       |        |       |        |       |        | 44       | 44       | 26        | 22     |  |       |  |  |  |  |  |                    |       |  |
| 46/ 45       | .3                                  | 8.3  | 2.9   | 1.9  | .3   | .5   |        |       |          |       |                                    |       |        |       |        |       |        | 53       | 53       | 44        | 21     |  |       |  |  |  |  |  |                    |       |  |
| 44/ 43       |                                     | 9.1  | 2.9   | 1.1  | 1.6  |      |        |       |          |       |                                    |       |        |       |        |       |        | 55       | 55       | 59        | 33     |  |       |  |  |  |  |  |                    |       |  |
| 42/ 41       |                                     | 4.8  | 4.3   | 1.3  | .3   |      |        |       |          |       |                                    |       |        |       |        |       |        | 40       | 40       | 60        | 49     |  |       |  |  |  |  |  |                    |       |  |
| 40/ 39       | .3                                  | 5.6  | 2.4   | 1.3  |      | .5   | .3     |       |          |       |                                    |       |        |       |        |       |        | 39       | 39       | 32        | 32     |  |       |  |  |  |  |  |                    |       |  |
| 38/ 37       |                                     | 2.4  | .5    | 2.1  |      | .5   |        |       |          |       |                                    |       |        |       |        |       |        | 21       | 21       | 44        | 33     |  |       |  |  |  |  |  |                    |       |  |
| 36/ 35       |                                     | 1.3  | .8    | .5   | .3   |      |        |       |          |       |                                    |       |        |       |        |       |        | 11       | 11       | 23        | 45     |  |       |  |  |  |  |  |                    |       |  |
| 34/ 33       |                                     |      | .5    | .5   | .5   |      |        |       |          |       |                                    |       |        |       |        |       |        | 6        | 6        | 14        | 26     |  |       |  |  |  |  |  |                    |       |  |
| 32/ 31       |                                     | .8   |       |      |      |      |        |       |          |       |                                    |       |        |       |        |       |        | 3        | 3        | 11        | 16     |  |       |  |  |  |  |  |                    |       |  |
| 30/ 29       |                                     |      |       | .3   |      |      |        |       |          |       |                                    |       |        |       |        |       |        | 1        | 1        | 7         | 8      |  |       |  |  |  |  |  |                    |       |  |
| 28/ 27       |                                     |      |       |      |      |      |        |       |          |       |                                    |       |        |       |        |       |        |          |          | 4         | 12     |  |       |  |  |  |  |  |                    |       |  |
| 26/ 25       |                                     |      |       |      |      |      |        |       |          |       |                                    |       |        |       |        |       |        |          |          | 2         | 17     |  |       |  |  |  |  |  |                    |       |  |
| 24/ 23       |                                     |      |       |      |      |      |        |       |          |       |                                    |       |        |       |        |       |        |          |          | 1         | 5      |  |       |  |  |  |  |  |                    |       |  |
| 22/ 21       |                                     |      |       |      |      |      |        |       |          |       |                                    |       |        |       |        |       |        |          |          |           | 5      |  |       |  |  |  |  |  |                    |       |  |
| 20/ 19       |                                     |      |       |      |      |      |        |       |          |       |                                    |       |        |       |        |       |        |          |          |           | 1      |  |       |  |  |  |  |  |                    |       |  |
| 18/ 17       |                                     |      |       |      |      |      |        |       |          |       |                                    |       |        |       |        |       |        |          |          |           | 4      |  |       |  |  |  |  |  |                    |       |  |
| 16/ 15       |                                     |      |       |      |      |      |        |       |          |       |                                    |       |        |       |        |       |        |          |          |           | 2      |  |       |  |  |  |  |  |                    |       |  |
| 14/ 13       |                                     |      |       |      |      |      |        |       |          |       |                                    |       |        |       |        |       |        |          |          |           | 2      |  |       |  |  |  |  |  |                    |       |  |
| 12/ 11       |                                     |      |       |      |      |      |        |       |          |       |                                    |       |        |       |        |       |        |          |          |           | 2      |  |       |  |  |  |  |  |                    |       |  |
| 10/ 9        |                                     |      |       |      |      |      |        |       |          |       |                                    |       |        |       |        |       |        |          |          |           | 3      |  |       |  |  |  |  |  |                    |       |  |
| 8/ 7         |                                     |      |       |      |      |      |        |       |          |       |                                    |       |        |       |        |       |        |          |          |           | 2      |  |       |  |  |  |  |  |                    |       |  |
| 6/ 5         |                                     |      |       |      |      |      |        |       |          |       |                                    |       |        |       |        |       |        |          |          |           | 2      |  |       |  |  |  |  |  |                    |       |  |
| 4/ 3         |                                     |      |       |      |      |      |        |       |          |       |                                    |       |        |       |        |       |        |          |          |           | 1      |  |       |  |  |  |  |  |                    |       |  |
| TOTAL        | .5                                  | 51.5 | 24.8  | 14.9 | 4.0  | 1.6  | .5     | .1    | .3       |       | .8                                 | .8    |        |       |        |       |        | 375      | 375      |           | 475    |  |       |  |  |  |  |  |                    |       |  |
|              |                                     |      |       |      |      |      |        |       |          |       |                                    |       |        |       |        |       |        | 375      |          | 375       |        |  |       |  |  |  |  |  |                    |       |  |
| Element (X)  | Σx²                                 |      | Σx    |      | Σ    |      | Σx     |       | No. Obs. |       | Mean No. of Hours with Temperature |       |        |       |        |       |        |          |          |           |        |  |       |  |  |  |  |  |                    |       |  |
| Rel. Hum.    | 2329361                             |      | 28813 |      | 76.8 |      | 17.575 |       | 375      |       | ≤ 0 F                              |       | ≤ 32 F |       | ≥ 67 F |       | = 73 F |          | = 80 F   |           | = 93 F |  | Total |  |  |  |  |  |                    |       |  |
| Dry Bulb     | 780284                              |      | 16958 |      | 45.2 |      | 5.990  |       | 375      |       |                                    |       | 1.0    |       | .2     |       |        |          |          |           |        |  | 93    |  |  |  |  |  |                    |       |  |
| Wet Bulb     | 672981                              |      | 15723 |      | 41.9 |      | 6.063  |       | 375      |       |                                    |       | 0.2    |       |        |       |        |          |          |           |        |  | 93    |  |  |  |  |  |                    |       |  |
| Dew Point    | 562164                              |      | 16080 |      | 37.6 |      | 0.462  |       | 375      |       |                                    |       | 20.2   |       |        |       |        |          |          |           |        |  | 93    |  |  |  |  |  |                    |       |  |

## PSYCHROMETRIC SUMMARY

67-70, 73-78

DEC

PAGE 1 0600-0000  
HOURS (L - S - T - )

[illegible]

## PSYCHROMETRIC SUMMARY

93214                      VANDENBERG AFB CA  
STATION                      STATION NAME

67-70, 73-78

DEC  
MONTH

PAGE 1 0900-1100  
HOURS (1, 5, 7, 9)

[illegible]

## PSYCHROMETRIC SUMMARY

DEC  
MONTH

PAGE 2 0900-1100  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA  
STATION STATION NAME

57-70, 73-78

YEARS

DEC  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

[illegible]

**2**

GLOBAL CLIMATOLOGY BRANCH  
USAF/FTAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA  
STATION STATION NAME

7-70, 73-78

YEARS

DEC  
MONTH

PAGE 2 1200-1400  
HOURS (L. S. T.)

[illegible]

YEARS

DEC  
MON 1964

PAGE 1 1500-1700

[illegible]



## PSYCHROMETRIC SUMMARY

YEARS

DEC  
MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA

7-70, 73-74, 77-78

DLC

PAGE 1 1800-2000

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |       |      |      |      |         |       |       |       |       |       |        |       |        |       |        |           |          |          |           | TOTAL | TOTAL |  |   |  |
|--------------|-------------------------------------|------|-------|------|------|------|---------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-----------|----------|----------|-----------|-------|-------|--|---|--|
|              | 0                                   | 1-2  | 3-4   | 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 | ≥ 31   | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |       |       |  |   |  |
| 68/ 67       |                                     |      |       |      |      |      |         |       |       |       | .2    |       |        |       |        |       |        | 1         | 1        |          |           |       |       |  |   |  |
| 66/ 65       |                                     |      |       |      |      |      |         |       |       | .2    |       | .5    |        |       |        |       |        | 4         | 4        |          |           |       |       |  |   |  |
| 64/ 63       |                                     |      |       |      |      |      |         |       |       | .2    |       |       |        |       |        |       |        | 1         | 1        |          |           |       |       |  |   |  |
| 62/ 61       |                                     |      |       |      |      |      |         |       | .2    | .2    |       |       |        |       |        |       |        | 2         | 2        |          |           |       |       |  |   |  |
| 60/ 59       |                                     | 1.1  |       |      |      | .2   |         |       |       |       |       |       |        |       |        |       |        | 7         | 7        |          |           |       |       |  |   |  |
| 58/ 57       |                                     | 2.1  | .2    | .9   | .2   | .4   | .2      |       |       |       |       |       |        |       |        |       |        | 22        | 22       | 15       | 7         |       |       |  |   |  |
| 56/ 55       | .2                                  | 4.6  | .5    | .9   | .5   | 1.4  |         |       |       |       |       |       |        |       |        |       |        | 46        | 46       | 11       | 15        |       |       |  |   |  |
| 54/ 53       | .7                                  | 4.1  | 2.3   | 1.8  | 1.4  | .2   |         | .2    |       |       |       |       |        |       |        |       |        | 60        | 60       | 31       | 21        |       |       |  |   |  |
| 52/ 51       | .4                                  | 10.1 | 4.4   | 2.7  | 1.2  | .2   | .4      |       |       |       |       |       |        |       |        |       |        | 109       | 109      | 41       | 28        |       |       |  |   |  |
| 50/ 49       | .4                                  | 9.9  | 4.1   | 4.1  | .7   | .4   | .2      |       |       |       |       |       |        |       |        |       |        | 111       | 111      | 89       | 38        |       |       |  |   |  |
| 48/ 47       |                                     | 6.2  | 2.8   | 2.3  | 1.6  | .4   | .2      |       |       |       |       |       |        |       |        |       |        | 76        | 76       | 105      | 79        |       |       |  |   |  |
| 46/ 45       |                                     | 5.0  | 2.3   | 1.6  | .2   | .7   |         |       |       |       |       |       |        |       |        |       |        | 55        | 55       | 83       | 59        |       |       |  |   |  |
| 44/ 43       |                                     | 3.0  | 2.8   | .2   | .7   | .4   |         |       |       |       |       |       |        |       |        |       |        | 40        | 40       | 66       | 57        |       |       |  |   |  |
| 42/ 41       |                                     | .2   | .9    | .2   | .5   | .2   |         |       |       |       |       |       |        |       |        |       |        | 11        | 11       | 50       | 51        |       |       |  |   |  |
| 40/ 39       |                                     | .7   | .5    | .4   | .2   | .4   |         |       |       |       |       |       |        |       |        |       |        | 12        | 12       | 33       | 52        |       |       |  |   |  |
| 38/ 37       |                                     | .2   |       | .2   | .2   | .4   |         |       |       |       |       |       |        |       |        |       |        | 5         | 5        | 14       | 36        |       |       |  |   |  |
| 36/ 35       |                                     |      |       |      |      | .4   |         |       |       |       |       |       |        |       |        |       |        | 2         | 2        | 9        | 33        |       |       |  |   |  |
| 34/ 33       |                                     |      |       |      |      |      |         |       |       |       |       |       |        |       |        |       |        |           |          | 9        | 22        |       |       |  |   |  |
| 32/ 31       |                                     |      |       |      |      |      |         |       |       |       |       |       |        |       |        |       |        |           |          | 1        | 12        |       |       |  |   |  |
| 30/ 29       |                                     |      |       |      |      |      |         |       |       |       |       |       |        |       |        |       |        |           |          | 4        | 9         |       |       |  |   |  |
| 28/ 27       |                                     |      |       |      |      |      |         |       |       |       |       |       |        |       |        |       |        |           |          | 3        | 6         |       |       |  |   |  |
| 26/ 25       |                                     |      |       |      |      |      |         |       |       |       |       |       |        |       |        |       |        |           |          |          | 10        |       |       |  |   |  |
| 24/ 23       |                                     |      |       |      |      |      |         |       |       |       |       |       |        |       |        |       |        |           |          |          | 6         |       |       |  |   |  |
| 22/ 21       |                                     |      |       |      |      |      |         |       |       |       |       |       |        |       |        |       |        |           |          |          | 4         |       |       |  |   |  |
| 20/ 19       |                                     |      |       |      |      |      |         |       |       |       |       |       |        |       |        |       |        |           |          |          | 6         |       |       |  |   |  |
| 18/ 17       |                                     |      |       |      |      |      |         |       |       |       |       |       |        |       |        |       |        |           |          |          | 5         |       |       |  |   |  |
| 16/ 15       |                                     |      |       |      |      |      |         |       |       |       |       |       |        |       |        |       |        |           |          |          | 2         |       |       |  |   |  |
| 12/ 11       |                                     |      |       |      |      |      |         |       |       |       |       |       |        |       |        |       |        |           |          |          | 1         |       |       |  |   |  |
| 10/ 9        |                                     |      |       |      |      |      |         |       |       |       |       |       |        |       |        |       |        |           |          |          | 2         |       |       |  |   |  |
| 8/ 7         |                                     |      |       |      |      |      |         |       |       |       |       |       |        |       |        |       |        |           |          |          | 2         |       |       |  |   |  |
| 6/ 5         |                                     |      |       |      |      |      |         |       |       |       |       |       |        |       |        |       |        |           |          |          | 1         |       |       |  |   |  |
| TOTAL        | 1.6                                 | 47.2 | 20.9  | 15.1 | 7.4  | 5.3  | .9      | .2    | .2    | .5    | .2    | .5    |        |       |        |       |        | 504       |          | 504      | 504       |       |       |  |   |  |
| Element (X)  | Σ X <sup>2</sup>                    |      | Σ X   |      | Σ    |      | Σ       |       | Σ     |       | Σ     |       | Σ      |       | Σ      |       | Σ      |           | Σ        |          | Σ         |       | Σ     |  | Σ |  |
| Rel. Hum.    | 3443990                             |      | 42938 |      | 76.1 |      | 117.634 |       | 564   |       | Σ 0 F |       | Σ 32 F |       | Σ 67 F |       | Σ 73 F |           | Σ 80 F   |          | Σ 93 F    |       | Total |  |   |  |
| Dry Bulb     | 1417226                             |      | 28146 |      | 49.9 |      | 4.735   |       | 564   |       |       |       |        |       | .2     |       |        |           |          |          |           |       | 93    |  |   |  |
| Wet Bulb     | 1218392                             |      | 26046 |      | 46.2 |      | 5.258   |       | 564   |       |       |       | 1.3    |       |        |       |        |           |          |          |           |       | 93    |  |   |  |
| Dew Point    | 1033565                             |      | 23629 |      | 41.9 |      | 8.802   |       | 564   |       |       |       | 10.9   |       |        |       |        |           |          |          |           |       | 93    |  |   |  |

GLOBAL CLIMATOLOGY BRANCH  
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# PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA

7-70, 73-75, 77

PLC  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|------|------|------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2  | 3-4  | 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 | ≥ 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 66/ 65       |                                     |      |      |      |     |      |       |       |       |       | .4    |       |       |       |       |       |      | 2         | 2        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 64/ 63       |                                     |      |      |      |     |      |       |       |       | .2    |       |       |       |       |       |       |      | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 62/ 61       |                                     | .4   |      |      |     |      |       |       | .4    |       |       |       |       |       |       |       |      | 4         | 4        | 1        |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 60/ 59       | .2                                  |      |      |      |     |      |       | .4    | .5    |       |       |       |       |       |       |       |      | 6         | 6        | 2        | 3         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 58/ 57       |                                     | 2.3  | .7   | .4   |     | .2   |       | .2    |       |       |       |       |       |       |       |       |      | 21        | 21       | 5        | 2         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 56/ 55       |                                     | 2.0  | .7   | .2   | .2  | .4   |       |       |       |       |       |       |       |       |       |       |      | 19        | 19       | 12       | 13        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 54/ 53       |                                     | 3.2  | 1.6  | .5   | .9  | .2   |       |       |       |       |       |       |       |       |       |       |      | 36        | 36       | 19       | 7         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 52/ 51       | .9                                  | 6.1  | 3.8  | 2.9  | .7  | .4   |       |       |       |       |       |       |       |       |       |       |      | 82        | 82       | 26       | 20        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 50/ 49       | .7                                  | 8.2  | 2.9  | 3.9  | 1.1 |      |       |       |       |       |       |       |       |       |       |       |      | 94        | 94       | 53       | 36        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 48/ 47       |                                     | 8.2  | 2.5  | 2.7  | .5  |      |       | .2    |       |       |       |       |       |       |       |       |      | 79        | 79       | 78       | 56        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 46/ 45       | .4                                  | 4.7  | 4.7  | 2.0  | .7  | .5   | .2    |       |       |       |       |       |       |       |       |       |      | 73        | 73       | 97       | 59        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 44/ 43       | .4                                  | 5.0  | 3.0  | 1.1  | .9  | .4   |       |       |       |       |       |       |       |       |       |       |      | 60        | 60       | 79       | 40        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 42/ 41       | .2                                  | 4.3  | 1.8  | 1.1  | .5  | .4   |       |       |       |       |       |       |       |       |       |       |      | 46        | 46       | 72       | 53        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 40/ 39       |                                     | 1.4  | .5   | .4   | .2  | .2   |       |       |       |       |       |       |       |       |       |       |      | 15        | 15       | 44       | 73        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 38/ 37       |                                     | .4   |      | .2   | .4  | .4   |       |       |       |       |       |       |       |       |       |       |      | 7         | 7        | 27       | 49        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 36/ 35       | .2                                  | .9   | .5   |      |     |      |       |       |       |       |       |       |       |       |       |       |      | 9         | 9        | 15       | 38        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 34/ 33       |                                     |      |      |      | .2  |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        | 13       | 26        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 32/ 31       |                                     |      |      | .2   | .2  |      |       |       |       |       |       |       |       |       |       |       |      | 2         | 2        | 8        | 18        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 30/ 29       |                                     |      |      | .2   |     |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        | 1        | 15        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 28/ 27       |                                     |      | .2   |      |     |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        | 4        | 9         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 26/ 25       |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 8         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 24/ 23       |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 3        | 10        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 22/ 21       |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 4         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 20/ 19       |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 7         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 18/ 17       |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 16/ 15       |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 4         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 12/ 11       |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 10/ 9        |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 4         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 8/ 7         |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 3         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL        | 2.9                                 | 47.0 | 22.9 | 15.6 | 6.4 | 2.9  | .2    | .7    | .9    | .2    | .4    |       |       |       |       |       |      | 559       | 559      | 559      | 559       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA

7-70-73-78

YEARS

SLC

PAGE 1

ALL

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|-----------|----------|----------|-----------|----|--|--|--|-----|--|--|--|--|-----|-------|--|-------|--|
|              | 0                                   | 1-2 | 3-4 | 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 | 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
| 86/ 85       |                                     |     |     |     |     |      |       |       |       |       | .0    |       |       |       |       |       |    | 1         | 1        |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
| 84/ 83       |                                     |     |     |     |     |      |       |       |       | .0    |       |       |       |       |       |       |    | 1         | 1        |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
| 82/ 81       |                                     |     |     |     |     |      |       |       |       |       | .0    |       |       |       |       |       |    | 1         | 1        |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
| 80/ 79       |                                     |     |     |     |     |      |       |       | .0    | .0    | .0    |       |       |       |       |       |    | 3         | 3        |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
| 78/ 77       |                                     |     |     |     |     |      |       |       | .0    |       |       | .0    | .0    | .0    | .0    |       |    | 6         | 6        |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
| 76/ 75       |                                     |     |     |     |     |      |       |       | .0    | .0    |       |       | .0    | .0    |       |       |    | 4         | 4        |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
| 74/ 73       |                                     |     |     |     |     |      |       |       | .0    | .0    | .0    | .1    | .0    | .1    | .0    |       |    | 19        | 19       |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
| 72/ 71       |                                     |     |     |     | .0  |      |       |       | .0    | .2    | .1    | .2    | .2    | .1    | .0    |       |    | 44        | 44       |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
| 70/ 69       |                                     |     |     |     |     | .1   | .1    | .1    | .2    | .3    | .2    | .1    | .0    |       |       |       |    | 49        | 49       |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
| 68/ 67       |                                     |     |     | .0  | .1  | .2   | .2    | .2    | .3    | .2    | .1    | .1    |       |       |       |       |    | 69        | 69       |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
| 66/ 65       |                                     |     |     | .1  | .1  | .2   | .5    | .4    | .4    | .1    | .1    | .2    |       |       |       |       |    | 106       | 106      | 3        |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
| 64/ 63       |                                     | .1  | .0  | .5  | .5  | .7   | .5    | .4    | .3    | .2    | .0    |       |       |       |       |       |    | 157       | 157      | 2        |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
| 62/ 61       |                                     | .2  | .6  | .6  | .7  | .9   | .7    | .3    | .2    | .1    | .0    |       |       |       |       |       |    | 217       | 217      | 16       | 3         |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
| 60/ 59       | .0                                  | 1.0 | 1.0 | 1.1 | 1.3 | 1.0  | .5    | .3    | .2    | .1    | .1    |       |       |       |       |       |    | 316       | 317      | 31       | 14        |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
| 58/ 57       |                                     | 1.8 | 1.8 | 1.8 | 1.3 | 1.1  | .3    | .3    | .1    | .0    |       |       |       |       |       |       |    | 425       | 425      | 168      | 44        |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
| 56/ 55       | .1                                  | 2.3 | 1.9 | 2.0 | .9  | 1.0  | .3    | .3    | .0    | .0    |       |       |       |       |       |       |    | 434       | 434      | 242      | 125       |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
| 54/ 53       | .1                                  | 2.8 | 2.3 | 1.8 | 1.0 | .5   | .3    | .2    | .0    |       |       |       |       |       |       |       |    | 447       | 442      | 419      | 158       |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
| 52/ 51       | .1                                  | 4.2 | 2.7 | 1.8 | .9  | .4   | .3    | .2    | .0    |       |       |       |       |       |       |       |    | 522       | 522      | 548      | 248       |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
| 50/ 49       | .2                                  | 4.1 | 2.0 | 2.2 | .9  | .5   | .2    | .1    |       |       |       |       |       |       |       |       |    | 499       | 499      | 669      | 341       |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
| 48/ 47       |                                     | 3.7 | 1.8 | 1.5 | .5  | .4   | .2    | .0    |       |       |       |       |       |       |       |       |    | 397       | 397      | 574      | 466       |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
| 46/ 45       | .1                                  | 3.6 | 1.8 | 1.1 | .3  | .3   | .1    | .1    |       |       |       |       |       |       |       |       |    | 364       | 364      | 551      | 475       |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
| 44/ 43       | .1                                  | 2.8 | 1.8 | .8  | .5  | .2   | .1    | .0    |       |       |       |       |       |       |       |       |    | 305       | 305      | 475      | 445       |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
| 42/ 41       | .0                                  | 1.8 | 1.2 | .6  | .4  | .2   | .1    |       |       |       |       |       |       |       |       |       |    | 208       | 208      | 386      | 429       |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
| 40/ 39       | .1                                  | 1.3 | .7  | .4  | .1  | .1   | .1    |       |       |       |       |       |       |       |       |       |    | 135       | 135      | 279      | 417       |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
| 38/ 37       | .0                                  | .5  | .2  | .4  | .1  | .2   |       |       |       |       |       |       |       |       |       |       |    | 74        | 74       | 206      | 349       |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
| 36/ 35       | .0                                  | .5  | .2  | .1  | .0  | .0   |       |       |       |       |       |       |       |       |       |       |    | 46        | 46       | 116      | 319       |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
| 34/ 33       |                                     | .2  | .2  | .1  | .1  |      |       |       |       |       |       |       |       |       |       |       |    | 23        | 23       | 86       | 248       |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
| 32/ 31       |                                     | .1  |     | .0  | .1  |      |       |       |       |       |       |       |       |       |       |       |    | 12        | 12       | 56       | 155       |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
| 30/ 29       |                                     |     | .0  | .1  |     |      |       |       |       |       |       |       |       |       |       |       |    | 4         | 4        | 27       | 129       |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
| 28/ 27       |                                     |     | .0  | .0  |     |      |       |       |       |       |       |       |       |       |       |       |    | 2         | 2        | 20       | 103       |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
| 26/ 25       |                                     |     | .0  |     |     |      |       |       |       |       |       |       |       |       |       |       |    | 2         | 2        | 4        | 114       |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
| 24/ 23       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          | 7        | 84        |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
| 22/ 21       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          | 2         | 46 |  |  |  |     |  |  |  |  |     |       |  |       |  |
| 20/ 19       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           | 52 |  |  |  |     |  |  |  |  |     |       |  |       |  |
| Element (X)  | Σ X                                 |     |     |     |     | Σ X  |       |       |       |       | Σ X   |       |       |       |       | Σ X   |    |           |          |          | Σ X       |    |  |  |  | Σ X |  |  |  |  | Σ X |       |  |       |  |
| Rel. Hum.    |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
| Dew Point    |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |    |  |  |  |     |  |  |  |  |     |       |  |       |  |

**USAFETAC** FORM 0-26.3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

## PSYCHROMETRIC SUMMARY

YEARS

ALL  
MONTH

ALL  
HOURS 11-5 P.M.

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |           |          |          |           |  |       |  |  |  |  |  | TOTAL | TOTAL |  |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|----------------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|-----------|----------|----------|-----------|--|-------|--|--|--|--|--|-------|-------|--|--|
|              | 0                                   | 1-2 | 3-4 | 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 | ≥ 31   | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |  |       |  |  |  |  |  |       |       |  |  |
| 98/ 97       |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       | .0     | 2         | 2        |          |           |  |       |  |  |  |  |  |       |       |  |  |
| 96/ 95       |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       | .0     | 5         | 5        |          |           |  |       |  |  |  |  |  |       |       |  |  |
| 94/ 93       |                                     |     |     |     |     |      |                |       |          |       |                                    |       | .0     |       |        |       | .0     | 10        | 10       |          |           |  |       |  |  |  |  |  |       |       |  |  |
| 92/ 91       |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        | .0    | .0     | .0    | .0     | 10        | 10       |          |           |  |       |  |  |  |  |  |       |       |  |  |
| 90/ 89       |                                     |     |     |     |     |      |                |       |          |       | .0                                 | .0    |        | .0    | .0     | .0    | .0     | 20        | 20       |          |           |  |       |  |  |  |  |  |       |       |  |  |
| 88/ 87       |                                     |     |     |     |     |      |                |       |          |       | .0                                 | .0    | .0     | .0    | .0     | .0    | .0     | 25        | 25       |          |           |  |       |  |  |  |  |  |       |       |  |  |
| 86/ 85       |                                     |     |     |     |     |      |                |       | .0       | .0    | .0                                 | .0    | .0     | .0    | .0     | .0    | .0     | 54        | 54       |          |           |  |       |  |  |  |  |  |       |       |  |  |
| 84/ 83       |                                     |     |     |     |     |      |                |       | .0       | .0    | .0                                 | .0    | .0     | .0    | .0     | .0    | .0     | 62        | 62       |          |           |  |       |  |  |  |  |  |       |       |  |  |
| 82/ 81       |                                     |     |     |     |     |      |                | .0    | .0       | .0    | .0                                 | .0    | .0     | .0    | .0     | .0    | .0     | 73        | 73       |          |           |  |       |  |  |  |  |  |       |       |  |  |
| 80/ 79       |                                     |     |     |     |     |      | .0             | .0    | .0       | .0    | .0                                 | .0    | .0     | .0    | .0     | .0    | .0     | 114       | 114      |          |           |  |       |  |  |  |  |  |       |       |  |  |
| 78/ 77       |                                     |     |     | .0  |     | .0   | .0             | .0    | .0       | .0    | .0                                 | .0    | .0     | .0    | .0     |       |        | 168       | 168      |          |           |  |       |  |  |  |  |  |       |       |  |  |
| 76/ 75       |                                     |     |     | .0  | .0  | .0   | .0             | .1    | .1       | .1    | .0                                 | .1    | .0     | .0    | .0     |       |        | 249       | 249      |          |           |  |       |  |  |  |  |  |       |       |  |  |
| 74/ 73       |                                     |     |     | .0  | .0  | .1   | .1             | .1    | .1       | .1    | .1                                 | .1    | .0     | .0    |        |       |        | 367       | 367      |          |           |  |       |  |  |  |  |  |       |       |  |  |
| 72/ 71       |                                     |     | .0  | .0  | .1  | .2   | .1             | .1    | .1       | .1    | .1                                 | .0    | .0     | .0    |        |       |        | 506       | 507      | 2        |           |  |       |  |  |  |  |  |       |       |  |  |
| 70/ 69       |                                     | .0  | .0  | .1  | .3  | .4   | .2             | .1    | .1       | .1    | .1                                 | .0    | .0     | .0    |        |       |        | 862       | 863      | 5        | 2         |  |       |  |  |  |  |  |       |       |  |  |
| 68/ 67       |                                     | .0  | .1  | .4  | .7  | .5   | .3             | .1    | .1       | .1    | .0                                 | .0    | .0     |       |        |       |        | 1355      | 1356     | 29       | 1         |  |       |  |  |  |  |  |       |       |  |  |
| 66/ 65       |                                     | .0  | .2  | 1.2 | 1.3 | .4   | .3             | .2    | .2       | .1    | .0                                 | .0    | .0     |       |        |       |        | 2303      | 2306     | 105      | 12        |  |       |  |  |  |  |  |       |       |  |  |
| 64/ 63       |                                     | .1  | .7  | 2.3 | 1.2 | .5   | .2             | .2    | .1       | .1    | .0                                 |       |        |       |        |       |        | 3223      | 3224     | 346      | 30        |  |       |  |  |  |  |  |       |       |  |  |
| 62/ 61       | .0                                  | .5  | 1.9 | 2.5 | 1.0 | .5   | .3             | .2    | .1       | .0    | .0                                 |       |        |       |        |       |        | 4165      | 4165     | 1139     | 110       |  |       |  |  |  |  |  |       |       |  |  |
| 60/ 59       | .0                                  | 1.7 | 3.4 | 2.4 | .9  | .5   | .3             | .1    | .1       | .0    | .0                                 |       |        |       |        |       |        | 5606      | 5607     | 2882     | 399       |  |       |  |  |  |  |  |       |       |  |  |
| 58/ 57       | .1                                  | 3.8 | 4.1 | 1.9 | 1.1 | .5   | .2             | .1    | .0       | .0    |                                    |       |        |       |        |       |        | 7095      | 7096     | 5770     | 1571      |  |       |  |  |  |  |  |       |       |  |  |
| 56/ 55       | .2                                  | 5.9 | 3.6 | 1.9 | .9  | .5   | .2             | .1    | .0       | .0    |                                    |       |        |       |        |       |        | 7931      | 7931     | 7904     | 4419      |  |       |  |  |  |  |  |       |       |  |  |
| 54/ 53       | .3                                  | 6.5 | 3.3 | 1.3 | .6  | .3   | .1             | .1    | .0       |       |                                    |       |        |       |        |       |        | 7384      | 7385     | 8924     | 7334      |  |       |  |  |  |  |  |       |       |  |  |
| 52/ 51       | .5                                  | 5.6 | 2.9 | .9  | .4  | .2   | .1             | .0    | .0       |       |                                    |       |        |       |        |       |        | 6284      | 6284     | 8615     | 9211      |  |       |  |  |  |  |  |       |       |  |  |
| 50/ 49       | .3                                  | 3.8 | 1.8 | .8  | .3  | .2   | .0             | .0    |          |       |                                    |       |        |       |        |       |        | 4315      | 4315     | 7822     | 7888      |  |       |  |  |  |  |  |       |       |  |  |
| 48/ 47       | .1                                  | 2.4 | .9  | .5  | .2  | .1   | .0             | .0    |          |       |                                    |       |        |       |        |       |        | 2539      | 2539     | 5525     | 6531      |  |       |  |  |  |  |  |       |       |  |  |
| 46/ 45       | .1                                  | 1.6 | .7  | .3  | .1  | .0   | .0             | .0    |          |       |                                    |       |        |       |        |       |        | 1795      | 1795     | 3548     | 5245      |  |       |  |  |  |  |  |       |       |  |  |
| 44/ 43       | .1                                  | 1.1 | .5  | .2  | .1  | .0   | .0             | .0    |          |       |                                    |       |        |       |        |       |        | 1193      | 1193     | 2433     | 3626      |  |       |  |  |  |  |  |       |       |  |  |
| 42/ 41       | .0                                  | .6  | .4  | .2  | .1  | .0   | .0             |       |          |       |                                    |       |        |       |        |       |        | 803       | 803      | 1753     | 3012      |  |       |  |  |  |  |  |       |       |  |  |
| 40/ 39       | .0                                  | .4  | .2  | .1  | .0  | .0   | .0             |       |          |       |                                    |       |        |       |        |       |        | 436       | 436      | 1131     | 2482      |  |       |  |  |  |  |  |       |       |  |  |
| 38/ 37       | .0                                  | .2  | .1  | .0  | .0  | .0   |                |       |          |       |                                    |       |        |       |        |       |        | 216       | 216      | 676      | 1635      |  |       |  |  |  |  |  |       |       |  |  |
| 36/ 35       | .0                                  | .1  | .1  | .0  | .0  | .0   |                |       |          |       |                                    |       |        |       |        |       |        | 133       | 133      | 387      | 1538      |  |       |  |  |  |  |  |       |       |  |  |
| 34/ 33       |                                     | .0  | .0  | .0  | .0  |      |                |       |          |       |                                    |       |        |       |        |       |        | 59        | 59       | 207      | 1165      |  |       |  |  |  |  |  |       |       |  |  |
| 32/ 31       |                                     | .0  | .0  | .0  | .0  |      |                |       |          |       |                                    |       |        |       |        |       |        | 32        | 32       | 105      | 621       |  |       |  |  |  |  |  |       |       |  |  |
| Element (X)  | Σ x <sup>1</sup>                    |     | Σ x |     | Σ   |      | Σ <sub>n</sub> |       | No. Obs. |       | Mean No. of Hours with Temperature |       |        |       |        |       |        |           |          |          |           |  |       |  |  |  |  |  |       |       |  |  |
| Rel. Hum.    |                                     |     |     |     |     |      |                |       |          |       | ≤ 0 F                              |       | ≤ 32 F |       | ≥ 67 F |       | ≥ 73 F |           | ≥ 80 F   |          | ≥ 93 F    |  | Total |  |  |  |  |  |       |       |  |  |
| Dry Bulb     |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |           |          |          |           |  |       |  |  |  |  |  |       |       |  |  |
| Wet Bulb     |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |           |          |          |           |  |       |  |  |  |  |  |       |       |  |  |
| Dew Point    |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |           |          |          |           |  |       |  |  |  |  |  |       |       |  |  |

## PSYCHROMETRIC SUMMARY

7-70, 73-79

YEARS

ALL  
MONTH

PAGE 2

ALL  
HOURS i. S. T. M.

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

93214 VANDENBERG AFB CA

67-70, 73-79

| STATION   |           | STATION NAME |       |       |       |       |       |       |       |       |       |       |       | YEARS  |
|-----------|-----------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| HRS (LST) |           | JAN          | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANNUAL |
| 00-02     | MEAN      | 47.1         | 49.2  | 48.1  | 47.8  | 51.0  | 52.7  | 54.0  | 54.6  | 56.5  | 54.3  | 52.6  | 46.4  | 51.2   |
|           | S D       | 6.302        | 4.647 | 4.320 | 3.416 | 3.284 | 3.181 | 2.225 | 2.165 | 4.002 | 3.798 | 4.905 | 5.761 | 5.176  |
|           | TOTAL OBS | 372          | 339   | 471   | 450   | 466   | 450   | 465   | 468   | 360   | 384   | 360   | 375   | 4960   |
| 03-05     | MEAN      | 45.9         | 48.4  | 46.8  | 46.8  | 50.3  | 52.4  | 53.3  | 54.0  | 55.9  | 53.4  | 51.8  | 45.2  | 50.4   |
|           | S D       | 7.053        | 4.794 | 4.548 | 3.700 | 3.242 | 3.496 | 2.248 | 2.006 | 4.194 | 4.027 | 5.257 | 5.990 | 5.514  |
|           | TOTAL OBS | 374          | 339   | 472   | 450   | 466   | 450   | 465   | 466   | 360   | 390   | 360   | 375   | 4967   |
| 06-08     | MEAN      | 46.0         | 47.7  | 48.4  | 49.8  | 53.1  | 55.0  | 55.0  | 55.7  | 57.6  | 55.2  | 52.2  | 46.0  | 52.1   |
|           | S D       | 6.681        | 4.932 | 4.950 | 4.884 | 4.715 | 4.842 | 3.445 | 3.019 | 4.914 | 5.012 | 5.745 | 6.216 | 6.284  |
|           | TOTAL OBS | 607          | 558   | 734   | 706   | 778   | 722   | 724   | 736   | 712   | 723   | 563   | 584   | 8147   |
| 09-11     | MEAN      | 54.0         | 55.4  | 56.1  | 56.9  | 58.6  | 60.2  | 60.6  | 61.4  | 64.4  | 64.3  | 61.3  | 55.2  | 59.0   |
|           | S D       | 6.380        | 5.146 | 5.616 | 5.441 | 6.113 | 5.618 | 4.658 | 4.574 | 7.650 | 6.849 | 6.802 | 6.619 | 6.697  |
|           | TOTAL OBS | 818          | 720   | 866   | 825   | 840   | 810   | 807   | 831   | 794   | 804   | 784   | 813   | 9712   |
| 12-14     | MEAN      | 58.6         | 59.0  | 58.4  | 58.4  | 60.4  | 62.3  | 63.3  | 64.7  | 66.7  | 66.2  | 64.5  | 59.9  | 61.8   |
|           | S D       | 6.595        | 4.749 | 5.340 | 4.808 | 5.042 | 4.836 | 3.435 | 3.435 | 6.675 | 6.045 | 6.283 | 6.204 | 6.168  |
|           | TOTAL OBS | 818          | 724   | 868   | 825   | 840   | 812   | 807   | 825   | 795   | 804   | 785   | 814   | 9717   |
| 15-17     | MEAN      | 56.4         | 56.8  | 56.5  | 56.4  | 58.5  | 60.6  | 61.7  | 62.7  | 64.3  | 62.6  | 60.1  | 56.4  | 59.3   |
|           | S D       | 5.613        | 4.264 | 4.793 | 4.075 | 4.682 | 4.655 | 3.499 | 3.472 | 5.859 | 4.935 | 5.072 | 5.262 | 5.511  |
|           | TOTAL OBS | 814          | 720   | 863   | 813   | 779   | 722   | 723   | 737   | 707   | 737   | 761   | 804   | 9200   |
| 18-20     | MEAN      | 49.8         | 52.0  | 52.2  | 51.9  | 54.1  | 56.1  | 57.1  | 57.7  | 59.0  | 56.8  | 54.1  | 49.9  | 54.2   |
|           | S D       | 4.636        | 3.296 | 3.226 | 3.180 | 3.707 | 3.459 | 2.878 | 2.545 | 3.615 | 3.148 | 3.744 | 4.735 | 4.654  |
|           | TOTAL OBS | 560          | 445   | 578   | 546   | 560   | 540   | 558   | 558   | 539   | 572   | 540   | 564   | 6560   |
| 21-23     | MEAN      | 47.7         | 49.9  | 49.7  | 49.5  | 51.9  | 53.8  | 55.0  | 55.8  | 57.1  | 55.2  | 52.6  | 47.9  | 52.2   |
|           | S D       | 5.574        | 4.066 | 3.577 | 3.020 | 2.681 | 2.803 | 2.237 | 2.036 | 3.302 | 3.838 | 4.331 | 5.358 | 4.851  |
|           | TOTAL OBS | 532          | 395   | 534   | 513   | 527   | 511   | 527   | 528   | 481   | 518   | 538   | 559   | 6163   |
| ALL HOURS | MEAN      | 51.9         | 53.3  | 52.9  | 53.1  | 55.5  | 57.4  | 58.1  | 59.0  | 61.2  | 59.6  | 57.3  | 52.2  | 56.0   |
|           | S D       | 7.766        | 6.155 | 6.346 | 6.002 | 5.823 | 5.715 | 4.925 | 5.008 | 6.882 | 6.999 | 7.316 | 7.871 | 7.142  |
|           | TOTAL OBS | 4895         | 4240  | 5386  | 5128  | 5256  | 5017  | 5076  | 5149  | 4748  | 4932  | 4711  | 4888  | 59426  |



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

93214 VANDENBERG AFB CA

67-70, 73-79

| STATION     |           | STATION NAME |       |       |       |       |       |       |       |       |       | YEARS |       |        |  |  |  |  |  |  |  |  |  |
|-------------|-----------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|--|--|--|--|--|--|--|--|
| HRS (L S T) |           | JAN          | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANNUAL |  |  |  |  |  |  |  |  |  |
| 00-02       | MEAN      | 44.1         | 46.5  | 45.3  | 45.0  | 48.9  | 50.9  | 52.3  | 52.8  | 53.1  | 50.6  | 48.8  | 43.0  | 48.5   |  |  |  |  |  |  |  |  |  |
|             | S D       | 6.810        | 4.581 | 4.182 | 3.365 | 2.973 | 2.786 | 2.036 | 2.061 | 3.832 | 3.983 | 5.338 | 5.949 | 5.336  |  |  |  |  |  |  |  |  |  |
|             | TOTAL OBS | 272          | 339   | 471   | 450   | 466   | 450   | 465   | 468   | 360   | 384   | 360   | 375   | 4960   |  |  |  |  |  |  |  |  |  |
| 03-05       | MEAN      | 43.1         | 45.8  | 44.2  | 44.1  | 48.4  | 50.6  | 51.7  | 52.4  | 52.7  | 49.7  | 47.9  | 41.9  | 47.8   |  |  |  |  |  |  |  |  |  |
|             | S D       | 7.452        | 4.803 | 4.515 | 3.771 | 3.044 | 2.841 | 2.091 | 1.976 | 4.230 | 4.246 | 5.653 | 6.063 | 5.687  |  |  |  |  |  |  |  |  |  |
|             | TOTAL OBS | 374          | 339   | 472   | 450   | 466   | 450   | 465   | 466   | 360   | 390   | 360   | 375   | 4967   |  |  |  |  |  |  |  |  |  |
| 06-08       | MEAN      | 42.7         | 44.8  | 45.4  | 46.3  | 49.9  | 52.1  | 53.0  | 53.7  | 54.3  | 51.1  | 47.7  | 42.3  | 48.9   |  |  |  |  |  |  |  |  |  |
|             | S D       | 6.934        | 4.971 | 4.743 | 3.954 | 3.246 | 2.893 | 2.472 | 2.301 | 3.391 | 4.279 | 5.502 | 6.109 | 5.935  |  |  |  |  |  |  |  |  |  |
|             | TOTAL OBS | 607          | 558   | 734   | 706   | 778   | 722   | 724   | 736   | 712   | 723   | 563   | 584   | 8147   |  |  |  |  |  |  |  |  |  |
| 09-11       | MEAN      | 47.7         | 49.7  | 50.0  | 50.6  | 53.1  | 55.0  | 56.2  | 57.0  | 58.1  | 56.3  | 52.7  | 48.0  | 52.9   |  |  |  |  |  |  |  |  |  |
|             | S D       | 5.347        | 3.978 | 4.321 | 3.691 | 3.628 | 3.127 | 2.696 | 2.531 | 3.149 | 3.390 | 4.446 | 5.554 | 5.250  |  |  |  |  |  |  |  |  |  |
|             | TOTAL OBS | 817          | 720   | 866   | 825   | 840   | 810   | 807   | 831   | 794   | 804   | 784   | 812   | 9710   |  |  |  |  |  |  |  |  |  |
| 12-14       | MEAN      | 50.6         | 52.0  | 51.6  | 51.7  | 54.1  | 56.2  | 57.4  | 58.5  | 59.3  | 57.7  | 55.0  | 51.0  | 54.6   |  |  |  |  |  |  |  |  |  |
|             | S D       | 4.505        | 3.594 | 3.891 | 3.360 | 3.152 | 2.679 | 2.112 | 2.073 | 2.723 | 2.913 | 3.979 | 4.927 | 4.579  |  |  |  |  |  |  |  |  |  |
|             | TOTAL OBS | 818          | 724   | 868   | 825   | 840   | 812   | 804   | 825   | 795   | 804   | 785   | 814   | 9714   |  |  |  |  |  |  |  |  |  |
| 15-17       | MEAN      | 50.0         | 51.4  | 51.0  | 50.7  | 53.1  | 55.3  | 56.7  | 57.5  | 58.1  | 56.4  | 54.0  | 50.2  | 53.6   |  |  |  |  |  |  |  |  |  |
|             | S D       | 4.094        | 3.359 | 3.636 | 3.060 | 2.961 | 2.615 | 2.124 | 2.089 | 2.557 | 2.752 | 3.535 | 4.653 | 4.334  |  |  |  |  |  |  |  |  |  |
|             | TOTAL OBS | 813          | 720   | 863   | 812   | 779   | 722   | 722   | 737   | 707   | 737   | 780   | 804   | 9196   |  |  |  |  |  |  |  |  |  |
| 18-20       | MEAN      | 46.5         | 48.6  | 48.8  | 48.2  | 50.8  | 53.0  | 54.3  | 54.9  | 55.5  | 53.2  | 50.8  | 46.2  | 50.9   |  |  |  |  |  |  |  |  |  |
|             | S D       | 5.120        | 3.490 | 3.108 | 2.733 | 2.638 | 2.549 | 2.113 | 1.951 | 2.489 | 2.933 | 4.138 | 5.258 | 4.607  |  |  |  |  |  |  |  |  |  |
|             | TOTAL OBS | 560          | 445   | 578   | 546   | 560   | 540   | 558   | 557   | 539   | 572   | 540   | 564   | 6559   |  |  |  |  |  |  |  |  |  |
| 21-23       | MEAN      | 44.7         | 47.1  | 46.9  | 46.6  | 49.5  | 51.6  | 53.1  | 53.7  | 54.1  | 51.7  | 49.3  | 44.5  | 49.4   |  |  |  |  |  |  |  |  |  |
|             | S D       | 6.067        | 4.193 | 3.513 | 2.876 | 2.538 | 2.537 | 2.015 | 1.925 | 3.223 | 3.597 | 4.580 | 5.672 | 5.041  |  |  |  |  |  |  |  |  |  |
|             | TOTAL OBS | 532          | 395   | 534   | 513   | 527   | 511   | 527   | 528   | 481   | 518   | 538   | 559   | 6163   |  |  |  |  |  |  |  |  |  |
| ALL HOURS   | MEAN      | 46.9         | 48.8  | 48.4  | 48.5  | 51.4  | 53.5  | 54.7  | 55.5  | 56.2  | 54.0  | 51.4  | 46.7  | 51.3   |  |  |  |  |  |  |  |  |  |
|             | S D       | 6.330        | 4.801 | 4.820 | 4.297 | 3.699 | 3.422 | 3.039 | 3.059 | 3.908 | 4.509 | 5.266 | 6.378 | 5.616  |  |  |  |  |  |  |  |  |  |
|             | TOTAL OBS | 4893         | 4240  | 5386  | 5127  | 5256  | 5017  | 5072  | 5148  | 4748  | 4932  | 4710  | 4887  | 59416  |  |  |  |  |  |  |  |  |  |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

93214 VANDENBERG AFB CA

67-70, 73-79

| STATION   |           | STATION NAME |       |       |       |       |       |       |       |       |       |       |       | YEARS  |  |  |  |  |  |  |  |  |  |  |  |
|-----------|-----------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|--|--|--|--|--|--|--|--|--|--|
| HRS (LST) |           | JAN.         | FEB.  | MAR.  | APR.  | MAY   | JUN.  | JUL.  | AUG.  | SEP.  | OCT.  | NOV.  | DEC.  | ANNUAL |  |  |  |  |  |  |  |  |  |  |  |
| 00-02     | MEAN      | 40.5         | 43.7  | 42.4  | 42.0  | 47.1  | 49.5  | 51.0  | 51.4  | 50.0  | 47.0  | 44.9  | 38.7  | 45.9   |  |  |  |  |  |  |  |  |  |  |  |
|           | S D       | 8.821        | 6.131 | 5.430 | 5.212 | 3.773 | 2.959 | 2.046 | 2.279 | 7.412 | 7.391 | 8.353 | 9.202 | 7.301  |  |  |  |  |  |  |  |  |  |  |  |
|           | TOTAL OBS | 372          | 339   | 471   | 450   | 466   | 450   | 465   | 468   | 360   | 384   | 360   | 375   | 4960   |  |  |  |  |  |  |  |  |  |  |  |
| 03-05     | MEAN      | 39.5         | 43.2  | 41.3  | 41.1  | 46.7  | 49.3  | 50.6  | 51.3  | 49.6  | 45.9  | 43.7  | 37.5  | 45.2   |  |  |  |  |  |  |  |  |  |  |  |
|           | S D       | 9.189        | 6.189 | 5.654 | 5.731 | 3.920 | 2.925 | 2.060 | 2.193 | 7.969 | 7.854 | 8.916 | 9.462 | 7.725  |  |  |  |  |  |  |  |  |  |  |  |
|           | TOTAL OBS | 374          | 339   | 472   | 450   | 466   | 450   | 465   | 466   | 360   | 390   | 360   | 375   | 4967   |  |  |  |  |  |  |  |  |  |  |  |
| 06-08     | MEAN      | 38.4         | 41.5  | 42.2  | 42.7  | 47.2  | 49.8  | 51.4  | 52.2  | 51.4  | 47.1  | 42.8  | 37.5  | 45.7   |  |  |  |  |  |  |  |  |  |  |  |
|           | S D       | 9.247        | 6.931 | 6.449 | 5.398 | 3.967 | 3.138 | 2.256 | 2.430 | 6.619 | 7.668 | 8.750 | 8.957 | 7.948  |  |  |  |  |  |  |  |  |  |  |  |
|           | TOTAL OBS | 607          | 558   | 734   | 706   | 778   | 722   | 724   | 736   | 712   | 723   | 563   | 584   | 8147   |  |  |  |  |  |  |  |  |  |  |  |
| 09-11     | MEAN      | 40.8         | 43.9  | 44.0  | 44.6  | 48.4  | 50.9  | 52.8  | 53.6  | 53.3  | 49.7  | 44.7  | 40.1  | 47.2   |  |  |  |  |  |  |  |  |  |  |  |
|           | S D       | 9.351        | 7.142 | 7.122 | 5.523 | 4.292 | 3.506 | 2.227 | 2.554 | 6.045 | 7.561 | 8.564 | 9.653 | 8.045  |  |  |  |  |  |  |  |  |  |  |  |
|           | TOTAL OBS | 817          | 720   | 866   | 825   | 840   | 810   | 807   | 831   | 794   | 804   | 784   | 812   | 9710   |  |  |  |  |  |  |  |  |  |  |  |
| 12-14     | MEAN      | 42.6         | 45.4  | 45.2  | 45.6  | 48.7  | 51.2  | 52.9  | 53.7  | 53.9  | 51.0  | 46.7  | 42.0  | 48.2   |  |  |  |  |  |  |  |  |  |  |  |
|           | S D       | 8.877        | 6.910 | 6.594 | 4.950 | 3.922 | 3.378 | 2.233 | 2.380 | 5.417 | 6.684 | 7.930 | 9.473 | 7.384  |  |  |  |  |  |  |  |  |  |  |  |
|           | TOTAL OBS | 818          | 724   | 868   | 825   | 840   | 812   | 804   | 825   | 795   | 804   | 785   | 814   | 9714   |  |  |  |  |  |  |  |  |  |  |  |
| 15-17     | MEAN      | 43.6         | 46.3  | 45.8  | 45.4  | 48.4  | 50.9  | 52.7  | 53.5  | 53.5  | 51.3  | 48.5  | 43.9  | 48.5   |  |  |  |  |  |  |  |  |  |  |  |
|           | S D       | 7.646        | 6.130 | 5.512 | 4.409 | 3.626 | 3.157 | 2.182 | 2.181 | 5.120 | 5.692 | 6.551 | 8.490 | 6.491  |  |  |  |  |  |  |  |  |  |  |  |
|           | TOTAL OBS | 913          | 720   | 863   | 812   | 779   | 722   | 722   | 737   | 707   | 737   | 780   | 804   | 9196   |  |  |  |  |  |  |  |  |  |  |  |
| 18-20     | MEAN      | 42.8         | 45.3  | 45.5  | 44.7  | 48.0  | 50.5  | 52.1  | 52.7  | 52.6  | 50.0  | 47.6  | 41.9  | 47.8   |  |  |  |  |  |  |  |  |  |  |  |
|           | S D       | 7.477        | 5.981 | 4.238 | 4.224 | 3.401 | 2.631 | 2.001 | 1.975 | 4.873 | 5.154 | 6.283 | 8.802 | 6.321  |  |  |  |  |  |  |  |  |  |  |  |
|           | TOTAL OBS | 560          | 445   | 578   | 546   | 560   | 540   | 558   | 557   | 539   | 572   | 540   | 564   | 6559   |  |  |  |  |  |  |  |  |  |  |  |
| 21-23     | MEAN      | 41.3         | 44.2  | 43.9  | 43.6  | 47.5  | 49.9  | 51.6  | 52.2  | 51.5  | 48.5  | 46.1  | 40.3  | 46.7   |  |  |  |  |  |  |  |  |  |  |  |
|           | S D       | 8.137        | 5.941 | 4.816 | 4.550 | 3.510 | 2.849 | 2.008 | 2.115 | 5.729 | 5.928 | 6.934 | 8.831 | 6.828  |  |  |  |  |  |  |  |  |  |  |  |
|           | TOTAL OBS | 532          | 395   | 534   | 513   | 527   | 511   | 527   | 528   | 481   | 518   | 538   | 559   | 6163   |  |  |  |  |  |  |  |  |  |  |  |
| ALL HOURS | MEAN      | 41.4         | 44.4  | 44.0  | 44.0  | 47.9  | 50.4  | 52.0  | 52.8  | 52.4  | 49.2  | 45.9  | 40.6  | 47.1   |  |  |  |  |  |  |  |  |  |  |  |
|           | S D       | 8.757        | 6.689 | 6.134 | 5.226 | 3.900 | 3.198 | 2.289 | 2.460 | 6.196 | 7.014 | 7.980 | 9.354 | 7.392  |  |  |  |  |  |  |  |  |  |  |  |
|           | TOTAL OBS | 4893         | 4240  | 5386  | 5127  | 5256  | 5017  | 5072  | 5148  | 4748  | 4932  | 4710  | 4887  | 59416  |  |  |  |  |  |  |  |  |  |  |  |

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2

JAN

STATION

STATION NAME

PERIOD

MONTH

**2**

2

FORM  
143.54

0-87-5 (OL A)

## RELATIVE HUMIDITY

FEB

STATION

STATION NAME

PERIOD

MONTH

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |      |      |      |      |      | MEAN<br>RELATI-E<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--------------------------------------------------------|-------|-------|-------|------|------|------|------|------|------------------------------|-------------------------|
|        |                   | 10%                                                    | 20%   | 30%   | 40%   | 50%  | 60%  | 70%  | 80%  | 90%  |                              |                         |
| FEB    | 00-02             | 100.0                                                  | 100.0 | 100.0 | 99.7  | 95.9 | 90.3 | 82.6 | 70.8 | 27.1 | 82.1                         | 339                     |
|        | 03-05             | 100.0                                                  | 100.0 | 100.0 | 100.0 | 97.6 | 92.0 | 85.5 | 71.7 | 23.0 | 82.6                         | 339                     |
|        | 06-08             | 100.0                                                  | 100.0 | 99.8  | 98.9  | 94.8 | 86.6 | 77.2 | 59.7 | 24.2 | 80.2                         | 558                     |
|        | 09-11             | 100.0                                                  | 99.9  | 97.1  | 89.2  | 78.6 | 66.1 | 51.1 | 29.6 | 11.0 | 68.2                         | 720                     |
|        | 12-14             | 100.0                                                  | 99.0  | 97.0  | 86.5  | 76.2 | 60.4 | 38.5 | 14.4 | 3.5  | 63.3                         | 724                     |
|        | 15-17             | 100.0                                                  | 99.3  | 98.2  | 93.2  | 88.1 | 77.9 | 57.2 | 22.1 | 5.4  | 69.9                         | 720                     |
|        | 18-20             | 100.0                                                  | 99.8  | 99.1  | 97.8  | 94.4 | 89.4 | 84.3 | 56.6 | 13.5 | 79.4                         | 445                     |
|        | 21-23             | 100.0                                                  | 100.0 | 100.0 | 99.0  | 95.9 | 90.1 | 83.3 | 65.3 | 21.5 | 81.3                         | 395                     |
|        |                   |                                                        |       |       |       |      |      |      |      |      |                              |                         |
|        |                   |                                                        |       |       |       |      |      |      |      |      |                              |                         |
|        |                   |                                                        |       |       |       |      |      |      |      |      |                              |                         |
|        |                   |                                                        |       |       |       |      |      |      |      |      |                              |                         |
|        |                   |                                                        |       |       |       |      |      |      |      |      |                              |                         |
| TOTALS |                   | 100.0                                                  | 99.8  | 98.9  | 95.5  | 90.2 | 81.6 | 70.0 | 48.8 | 16.2 | 75.9                         | 4240                    |

FORM  
HUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

93214 VANDENBERG AFB CA

67-70, 73-78

MAK

STATION

STATION NAME

PERIOD

MONTH

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

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |      |      |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--------------------------------------------------------|-------|-------|------|------|------|------|------|------|------------------------------|-------------------------|
|        |                   | 10%                                                    | 20%   | 30%   | 40%  | 50%  | 60%  | 70%  | 80%  | 90%  |                              |                         |
| MAR    | 00-02             | 100.0                                                  | 100.0 | 99.6  | 99.4 | 98.7 | 94.7 | 84.7 | 59.0 | 19.3 | 81.2                         | 471                     |
|        | 03-05             | 100.0                                                  | 100.0 | 100.0 | 99.6 | 99.2 | 95.6 | 85.4 | 58.5 | 19.7 | 81.5                         | 472                     |
|        | 06-08             | 100.0                                                  | 100.0 | 99.9  | 98.5 | 95.4 | 89.4 | 79.0 | 56.9 | 23.8 | 80.3                         | 734                     |
|        | 09-11             | 100.0                                                  | 99.7  | 96.9  | 90.0 | 77.9 | 64.9 | 45.0 | 23.6 | 8.1  | 66.3                         | 866                     |
|        | 12-14             | 100.0                                                  | 99.0  | 96.2  | 90.4 | 79.7 | 60.9 | 36.2 | 14.9 | 3.9  | 63.9                         | 868                     |
|        | 15-17             | 100.0                                                  | 99.3  | 98.7  | 95.6 | 91.1 | 73.7 | 49.2 | 20.0 | 5.8  | 69.2                         | 863                     |
|        | 18-20             | 100.0                                                  | 100.0 | 100.0 | 99.7 | 98.8 | 95.8 | 83.4 | 41.2 | 8.7  | 78.4                         | 578                     |
|        | 21-23             | 100.0                                                  | 100.0 | 99.8  | 99.3 | 97.8 | 95.5 | 87.8 | 57.7 | 15.9 | 80.9                         | 534                     |
|        |                   |                                                        |       |       |      |      |      |      |      |      |                              |                         |
|        |                   |                                                        |       |       |      |      |      |      |      |      |                              |                         |
|        |                   |                                                        |       |       |      |      |      |      |      |      |                              |                         |
|        |                   |                                                        |       |       |      |      |      |      |      |      |                              |                         |
| TOTALS |                   | 100.0                                                  | 99.8  | 98.9  | 96.6 | 92.3 | 83.8 | 68.8 | 41.5 | 13.2 | 75.2                         | 5386                    |

## RELATIVE HUMIDITY

93214 VANDENBERG AFB CA

67-70, 73-78

**APK**

STATION

STATION NAME

PERIOD

MONTH

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

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |      |      |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO OF<br>OBS. |
|--------|-------------------|--------------------------------------------------------|-------|-------|------|------|------|------|------|------|------------------------------|------------------------|
|        |                   | 10%                                                    | 20%   | 30%   | 40%  | 50%  | 60%  | 70%  | 80%  | 90%  |                              |                        |
| APR    | 00-02             | 100.0                                                  | 100.0 | 99.8  | 99.6 | 97.8 | 89.1 | 78.4 | 63.8 | 24.9 | 81.1                         | 450                    |
|        | 03-05             | 100.0                                                  | 100.0 | 99.6  | 99.3 | 97.3 | 90.0 | 79.1 | 64.2 | 27.1 | 81.5                         | 450                    |
|        | 06-08             | 100.0                                                  | 100.0 | 99.6  | 98.6 | 94.9 | 85.1 | 71.7 | 50.3 | 22.8 | 78.3                         | 706                    |
|        | 09-11             | 100.0                                                  | 99.8  | 97.9  | 95.3 | 82.7 | 63.3 | 41.1 | 17.9 | 4.0  | 65.7                         | 825                    |
|        | 12-14             | 100.0                                                  | 99.6  | 98.7  | 95.0 | 84.6 | 64.8 | 29.3 | 8.0  | 2.1  | 63.9                         | 825                    |
|        | 15-17             | 100.0                                                  | 100.0 | 99.9  | 98.2 | 89.8 | 74.8 | 43.3 | 11.6 | 2.3  | 67.6                         | 812                    |
|        | 18-20             | 100.0                                                  | 100.0 | 100.0 | 99.8 | 97.6 | 88.3 | 76.0 | 41.6 | 10.4 | 77.3                         | 546                    |
|        | 21-23             | 100.0                                                  | 100.0 | 100.0 | 99.8 | 98.2 | 90.3 | 80.7 | 62.2 | 20.5 | 81.0                         | 513                    |
|        |                   |                                                        |       |       |      |      |      |      |      |      |                              |                        |
|        |                   |                                                        |       |       |      |      |      |      |      |      |                              |                        |
|        |                   |                                                        |       |       |      |      |      |      |      |      |                              |                        |
|        |                   |                                                        |       |       |      |      |      |      |      |      |                              |                        |
| TOTALS |                   | 100.0                                                  | 99.9  | 99.4  | 98.2 | 92.9 | 80.7 | 62.5 | 40.0 | 14.3 | 74.6                         | 5127                   |

2



MAY

MONTH

1

D

2

## RELATIVE HUMIDITY

JUN

MONTH

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

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |      |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--------------------------------------------------------|-------|-------|-------|------|------|------|------|------|------------------------------|-------------------------|
|        |                   | 10%                                                    | 20%   | 30%   | 40%   | 50%  | 60%  | 70%  | 80%  | 90%  |                              |                         |
| JUN    | 00-02             | 100.0                                                  | 100.0 | 100.0 | 100.0 | 99.8 | 98.7 | 98.0 | 90.9 | 42.7 | 88.7                         | 450                     |
|        | 03-05             | 100.0                                                  | 100.0 | 100.0 | 99.6  | 99.1 | 98.0 | 97.8 | 91.1 | 51.3 | 89.3                         | 450                     |
|        | 06-08             | 100.0                                                  | 99.6  | 99.2  | 98.6  | 97.5 | 95.8 | 89.1 | 66.6 | 32.8 | 83.6                         | 722                     |
|        | 09-11             | 100.0                                                  | 99.5  | 98.9  | 98.3  | 95.2 | 87.2 | 57.3 | 24.8 | 6.4  | 72.7                         | 810                     |
|        | 12-14             | 100.0                                                  | 99.5  | 98.5  | 98.3  | 95.6 | 80.4 | 39.2 | 8.1  | .9   | 68.0                         | 812                     |
|        | 15-17             | 100.0                                                  | 99.4  | 98.9  | 98.2  | 97.1 | 88.5 | 53.3 | 14.0 | 1.9  | 71.3                         | 722                     |
|        | 18-20             | 100.0                                                  | 100.0 | 99.8  | 99.6  | 99.4 | 99.1 | 93.3 | 52.4 | 10.0 | 81.5                         | 540                     |
|        | 21-23             | 100.0                                                  | 100.0 | 100.0 | 100.0 | 99.8 | 99.2 | 98.8 | 80.6 | 28.0 | 86.5                         | 511                     |
|        |                   |                                                        |       |       |       |      |      |      |      |      |                              |                         |
|        |                   |                                                        |       |       |       |      |      |      |      |      |                              |                         |
|        |                   |                                                        |       |       |       |      |      |      |      |      |                              |                         |
|        |                   |                                                        |       |       |       |      |      |      |      |      |                              |                         |
| TOTALS |                   | 100.0                                                  | 99.8  | 99.4  | 99.1  | 97.9 | 93.4 | 78.4 | 53.6 | 21.8 | 80.2                         | 5017                    |



JUL

MONTH

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1

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

93214 VANDENBERG AFB CA

67-70, 73-78

AUG

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |       |       |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO OF<br>OBS. |
|--------|----------------|--------------------------------------------------------|-------|-------|-------|-------|-------|------|------|------|------------------------------|------------------------|
|        |                | 10%                                                    | 20%   | 30%   | 40%   | 50%   | 60%   | 70%  | 80%  | 90%  |                              |                        |
| AUG    | 00-02          | 100.0                                                  | 100.0 | 100.0 | 100.0 | 99.8  | 99.6  | 99.6 | 95.1 | 36.5 | 88.8                         | 468                    |
|        | 03-05          | 100.0                                                  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.8 | 97.6 | 41.8 | 90.0                         | 466                    |
|        | 06-08          | 100.0                                                  | 100.0 | 100.0 | 99.9  | 99.9  | 98.9  | 96.2 | 82.2 | 43.8 | 88.0                         | 736                    |
|        | 09-11          | 100.0                                                  | 100.0 | 99.8  | 99.5  | 98.3  | 90.1  | 67.7 | 38.3 | 10.1 | 76.4                         | 831                    |
|        | 12-14          | 100.0                                                  | 100.0 | 100.0 | 99.5  | 97.5  | 82.4  | 36.5 | 4.7  |      | 68.0                         | 825                    |
|        | 15-17          | 100.0                                                  | 100.0 | 100.0 | 100.0 | 98.0  | 92.3  | 57.7 | 11.8 |      | 72.3                         | 737                    |
|        | 18-20          | 100.0                                                  | 100.0 | 100.0 | 100.0 | 99.8  | 99.5  | 95.9 | 68.8 | 6.5  | 83.2                         | 557                    |
|        | 21-23          | 100.0                                                  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.2 | 93.0 | 19.9 | 87.3                         | 528                    |
|        |                |                                                        |       |       |       |       |       |      |      |      |                              |                        |
|        |                |                                                        |       |       |       |       |       |      |      |      |                              |                        |
|        |                |                                                        |       |       |       |       |       |      |      |      |                              |                        |
|        |                |                                                        |       |       |       |       |       |      |      |      |                              |                        |
| TOTALS |                | 100.0                                                  | 100.0 | 100.0 | 99.9  | 99.2  | 95.4  | 81.6 | 61.4 | 19.8 | 81.8                         | 5148                   |

USAFETAC

FORM  
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

93214 VANDENBERG AFB CA

67-70, 73-78

SEV

STATION

STATION NAME

PERIOD

## MONTH

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

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |      |      |      |      |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--------------------------------------------------------|------|------|------|------|------|------|------|------|------------------------------|-------------------------|
|        |                   | 10%                                                    | 20%  | 30%  | 40%  | 50%  | 60%  | 70%  | 80%  | 90%  |                              |                         |
| SEP    | 00-02             | 100.0                                                  | 98.3 | 96.7 | 92.8 | 90.8 | 90.0 | 86.4 | 75.3 | 27.2 | 81.5                         | 360                     |
|        | 03-05             | 100.0                                                  | 98.3 | 95.6 | 92.5 | 90.8 | 90.0 | 87.8 | 75.8 | 31.1 | 82.2                         | 360                     |
|        | 06-08             | 100.0                                                  | 98.5 | 96.1 | 94.1 | 92.1 | 90.2 | 86.5 | 71.5 | 37.5 | 82.6                         | 712                     |
|        | 09-11             | 99.0                                                   | 96.5 | 92.9 | 90.8 | 87.7 | 79.1 | 59.7 | 36.4 | 13.0 | 71.6                         | 794                     |
|        | 12-14             | 99.2                                                   | 96.6 | 95.1 | 92.1 | 87.3 | 74.6 | 43.0 | 14.1 | 3.1  | 66.5                         | 795                     |
|        | 15-17             | 99.7                                                   | 97.2 | 95.8 | 93.5 | 90.7 | 81.3 | 59.4 | 25.6 | 2.4  | 70.7                         | 707                     |
|        | 18-20             | 100.0                                                  | 99.8 | 97.6 | 96.1 | 93.5 | 92.6 | 86.5 | 67.5 | 15.2 | 81.0                         | 539                     |
|        | 21-23             | 100.0                                                  | 99.8 | 98.5 | 95.8 | 93.3 | 91.9 | 89.2 | 76.3 | 24.7 | 82.9                         | 481                     |
|        |                   |                                                        |      |      |      |      |      |      |      |      |                              |                         |
|        |                   |                                                        |      |      |      |      |      |      |      |      |                              |                         |
|        |                   |                                                        |      |      |      |      |      |      |      |      |                              |                         |
|        |                   |                                                        |      |      |      |      |      |      |      |      |                              |                         |
| TOTALS |                   | 99.7                                                   | 98.1 | 96.0 | 93.5 | 90.8 | 86.2 | 74.8 | 55.3 | 19.3 | 77.4                         | 4748                    |

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

93214 VANDENBERG AFB CA

67-70, 73-78

NCT

STATION

STATION NAME

PERIOD

MONTH

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

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |      |      |      |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO OF<br>OBS. |
|--------|-------------------|--------------------------------------------------------|-------|------|------|------|------|------|------|------|------------------------------|------------------------|
|        |                   | 10%                                                    | 20%   | 30%  | 40%  | 50%  | 60%  | 70%  | 80%  | 90%  |                              |                        |
| NCT    | 00-02             | 100.0                                                  | 99.5  | 97.4 | 94.0 | 88.0 | 84.9 | 78.9 | 63.5 | 20.8 | 78.7                         | 384                    |
|        | 03-05             | 100.0                                                  | 99.5  | 96.7 | 93.1 | 86.9 | 82.8 | 75.9 | 62.3 | 24.9 | 78.1                         | 390                    |
|        | 06-08             | 100.0                                                  | 99.0  | 96.4 | 91.4 | 86.6 | 81.9 | 75.0 | 58.0 | 22.7 | 77.0                         | 723                    |
|        | 09-11             | 100.0                                                  | 95.8  | 89.3 | 83.3 | 75.4 | 63.2 | 42.8 | 21.3 | 7.8  | 63.8                         | 804                    |
|        | 12-14             | 100.0                                                  | 95.3  | 92.0 | 86.4 | 77.6 | 61.8 | 32.3 | 10.9 | 1.1  | 61.6                         | 804                    |
|        | 15-17             | 100.0                                                  | 98.4  | 95.7 | 92.5 | 88.3 | 78.3 | 54.7 | 20.1 | 2.6  | 69.2                         | 737                    |
|        | 18-20             | 100.0                                                  | 100.0 | 99.5 | 97.6 | 92.5 | 88.8 | 82.3 | 55.2 | 12.9 | 79.0                         | 572                    |
|        | 21-23             | 100.0                                                  | 100.0 | 99.2 | 97.3 | 90.9 | 85.5 | 80.3 | 66.6 | 18.1 | 79.7                         | 518                    |
|        |                   |                                                        |       |      |      |      |      |      |      |      |                              |                        |
|        |                   |                                                        |       |      |      |      |      |      |      |      |                              |                        |
|        |                   |                                                        |       |      |      |      |      |      |      |      |                              |                        |
|        |                   |                                                        |       |      |      |      |      |      |      |      |                              |                        |
|        |                   |                                                        |       |      |      |      |      |      |      |      |                              |                        |
| TOTALS |                   | 100.0                                                  | 98.4  | 95.8 | 92.0 | 85.8 | 78.4 | 65.3 | 44.7 | 13.9 | 73.4                         | 4932                   |

USAFETAC

FORM  
JUL 64

0-87-5 (OL A)

2

## RELATIVE HUMIDITY

NUV

MONTH

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

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |      |      |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO OF<br>OBS. |
|--------|-------------------|--------------------------------------------------------|-------|-------|------|------|------|------|------|------|------------------------------|------------------------|
|        |                   | 10%                                                    | 20%   | 30%   | 40%  | 50%  | 60%  | 70%  | 80%  | 90%  |                              |                        |
| NOV    | 00-02             | 100.0                                                  | 100.0 | 100.0 | 95.0 | 87.2 | 80.0 | 72.8 | 55.0 | 23.3 | 77.1                         | 360                    |
|        | 03-05             | 100.0                                                  | 100.0 | 98.3  | 94.2 | 85.3 | 76.7 | 69.4 | 56.7 | 21.4 | 76.1                         | 360                    |
|        | 06-08             | 100.0                                                  | 100.0 | 97.9  | 91.8 | 82.9 | 73.0 | 63.6 | 45.8 | 18.5 | 73.2                         | 563                    |
|        | 09-11             | 100.0                                                  | 96.8  | 88.8  | 75.9 | 61.6 | 49.0 | 33.7 | 17.9 | 5.0  | 58.8                         | 784                    |
|        | 12-14             | 100.0                                                  | 96.6  | 89.3  | 79.0 | 63.2 | 44.2 | 23.3 | 7.1  | 1.4  | 56.1                         | 785                    |
|        | 15-17             | 100.0                                                  | 99.1  | 95.3  | 91.0 | 84.9 | 73.3 | 52.6 | 22.7 | 4.1  | 68.1                         | 780                    |
|        | 18-20             | 100.0                                                  | 100.0 | 99.4  | 98.5 | 93.7 | 89.3 | 82.6 | 58.3 | 15.4 | 79.7                         | 540                    |
|        | 21-23             | 100.0                                                  | 100.0 | 100.0 | 97.4 | 90.9 | 86.1 | 79.4 | 63.4 | 23.6 | 79.9                         | 538                    |
|        |                   |                                                        |       |       |      |      |      |      |      |      |                              |                        |
|        |                   |                                                        |       |       |      |      |      |      |      |      |                              |                        |
|        |                   |                                                        |       |       |      |      |      |      |      |      |                              |                        |
|        |                   |                                                        |       |       |      |      |      |      |      |      |                              |                        |
| TOTALS |                   | 100.0                                                  | 99.1  | 96.1  | 90.4 | 81.2 | 71.5 | 59.7 | 40.9 | 14.1 | 71.1                         | 4710                   |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

93214 VANDENBERG AFB CA

67-70, 73-78

DEC

STATION

STATION NAME

PERIOD

MONTH

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

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |      |      |      |      |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--------------------------------------------------------|------|------|------|------|------|------|------|------|------------------------------|-------------------------|
|        |                   | 10%                                                    | 20%  | 30%  | 40%  | 50%  | 60%  | 70%  | 80%  | 90%  |                              |                         |
| DEC    | 00-02             | 100.0                                                  | 99.2 | 96.5 | 95.5 | 92.8 | 82.9 | 67.7 | 53.1 | 21.1 | 76.8                         | 375                     |
|        | 03-05             | 100.0                                                  | 98.4 | 96.8 | 95.2 | 92.8 | 83.2 | 71.2 | 52.5 | 23.5 | 76.8                         | 375                     |
|        | 06-08             | 100.0                                                  | 99.1 | 98.1 | 95.2 | 89.0 | 78.9 | 64.7 | 46.6 | 15.2 | 74.3                         | 584                     |
|        | 09-11             | 100.0                                                  | 97.9 | 91.7 | 79.7 | 66.3 | 51.0 | 37.3 | 20.0 | 5.3  | 60.5                         | 812                     |
|        | 12-14             | 100.0                                                  | 97.4 | 86.5 | 73.6 | 58.0 | 42.0 | 24.7 | 11.4 | 2.8  | 55.4                         | 814                     |
|        | 15-17             | 100.0                                                  | 98.8 | 94.7 | 87.9 | 77.6 | 64.9 | 46.5 | 25.0 | 6.0  | 65.8                         | 804                     |
|        | 18-20             | 100.0                                                  | 99.5 | 97.3 | 94.9 | 89.5 | 81.0 | 69.0 | 52.0 | 18.4 | 76.1                         | 564                     |
|        | 21-23             | 100.0                                                  | 99.6 | 97.9 | 95.2 | 91.6 | 83.7 | 69.4 | 52.1 | 21.3 | 76.8                         | 559                     |
|        |                   |                                                        |      |      |      |      |      |      |      |      |                              |                         |
|        |                   |                                                        |      |      |      |      |      |      |      |      |                              |                         |
|        |                   |                                                        |      |      |      |      |      |      |      |      |                              |                         |
|        |                   |                                                        |      |      |      |      |      |      |      |      |                              |                         |
|        |                   |                                                        |      |      |      |      |      |      |      |      |                              |                         |
| TOTALS |                   | 100.0                                                  | 98.7 | 94.9 | 89.7 | 82.2 | 71.0 | 56.3 | 39.1 | 14.2 | 70.3                         | 4887                    |

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FORM  
JUL 64

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

93214 VANDENBERG AFB CA

67-70, 73-79

ALL

STATION

STATION NAME

PERIOD

MONTH

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

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |      |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO OF<br>OBS. |
|--------|-------------------|--------------------------------------------------------|-------|-------|-------|------|------|------|------|------|------------------------------|------------------------|
|        |                   | 10%                                                    | 20%   | 30%   | 40%   | 50%  | 60%  | 70%  | 80%  | 90%  |                              |                        |
| JAN    | ALL               | 100.0                                                  | 99.1  | 97.1  | 93.0  | 85.8 | 76.3 | 61.5 | 42.1 | 13.8 | 72.7                         | 4893                   |
| FEB    |                   | 100.0                                                  | 99.8  | 98.9  | 95.5  | 90.2 | 81.6 | 70.0 | 48.8 | 16.2 | 75.9                         | 4240                   |
| MAR    |                   | 100.0                                                  | 99.8  | 98.9  | 96.6  | 92.3 | 83.8 | 68.8 | 41.5 | 13.2 | 75.2                         | 5386                   |
| APR    |                   | 100.0                                                  | 99.9  | 99.4  | 98.2  | 92.9 | 80.7 | 62.5 | 40.0 | 14.3 | 74.6                         | 5127                   |
| MAY    |                   | 100.0                                                  | 99.9  | 99.7  | 98.5  | 96.4 | 89.6 | 73.2 | 48.4 | 18.8 | 78.5                         | 5256                   |
| JUN    |                   | 100.0                                                  | 99.8  | 99.4  | 99.1  | 97.9 | 93.4 | 78.4 | 53.6 | 21.8 | 80.2                         | 5017                   |
| JUL    |                   | 100.0                                                  | 100.0 | 100.0 | 100.0 | 99.5 | 95.6 | 82.8 | 61.2 | 21.1 | 82.1                         | 5072                   |
| AUG    |                   | 100.0                                                  | 100.0 | 100.0 | 99.9  | 99.2 | 95.4 | 81.6 | 61.4 | 19.8 | 81.8                         | 5148                   |
| SEP    |                   | 99.7                                                   | 98.1  | 96.0  | 93.5  | 90.8 | 86.2 | 74.8 | 55.3 | 19.3 | 77.4                         | 4748                   |
| OCT    |                   | 100.0                                                  | 98.4  | 95.8  | 92.0  | 85.8 | 78.4 | 65.3 | 44.7 | 13.9 | 73.4                         | 4932                   |
| NOV    |                   | 100.0                                                  | 99.1  | 96.1  | 90.4  | 81.2 | 71.5 | 59.7 | 40.9 | 14.1 | 71.1                         | 4710                   |
| DEC    |                   | 100.0                                                  | 98.7  | 94.9  | 89.7  | 82.2 | 71.0 | 56.3 | 39.1 | 14.2 | 70.3                         | 4887                   |
| TOTALS |                   | 100.0                                                  | 99.4  | 98.0  | 95.5  | 91.2 | 83.6 | 69.6 | 48.1 | 16.7 | 76.1                         | 59416                  |

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

# 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.

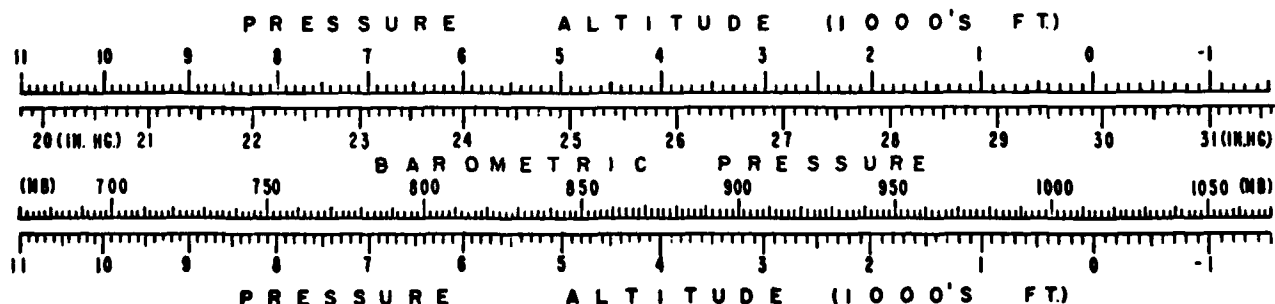
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.

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  
USAFETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

93214 VANDENBERG AFB CA

67-70, 73-79

| STATION   |           | STATION NAME |        |        |        |        |        |        |        |        |        |        |        | YEARS  |  |
|-----------|-----------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| HRS (LST) |           | JAN.         | FEB.   | MAR.   | APR.   | MAY    | JUN.   | JUL.   | AUG.   | SEP.   | OCT.   | NOV.   | DEC.   | ANNUAL |  |
| 01        | MEAN      | 29.688       | 29.639 | 29.646 | 29.647 | 29.598 | 29.537 | 29.551 | 29.527 | 29.510 | 29.584 | 29.641 | 29.674 | 29.601 |  |
|           | S. D.     | .138         | .135   | .118   | .092   | .092   | .065   | .048   | .069   | .064   | .085   | .116   | .136   | .114   |  |
|           | TOTAL OBS | 124          | 113    | 157    | 150    | 155    | 150    | 155    | 156    | 120    | 128    | 120    | 125    | 1653   |  |
| 04        | MEAN      | 29.677       | 29.618 | 29.627 | 29.629 | 29.585 | 29.527 | 29.546 | 29.520 | 29.501 | 29.571 | 29.632 | 29.670 | 29.590 |  |
|           | S. D.     | .144         | .137   | .114   | .090   | .092   | .064   | .047   | .068   | .063   | .086   | .118   | .138   | .114   |  |
|           | TOTAL OBS | 125          | 113    | 157    | 150    | 155    | 150    | 155    | 155    | 120    | 128    | 120    | 125    | 1653   |  |
| 07        | MEAN      | 29.689       | 29.664 | 29.641 | 29.655 | 29.595 | 29.552 | 29.570 | 29.559 | 29.539 | 29.600 | 29.665 | 29.702 | 29.611 |  |
|           | S. D.     | .141         | .130   | .123   | .091   | .090   | .067   | .054   | .066   | .069   | .080   | .107   | .126   | .109   |  |
|           | TOTAL OBS | 187          | 171    | 226    | 221    | 280    | 269    | 269    | 274    | 263    | 262    | 180    | 188    | 2790   |  |
| 10        | MEAN      | 29.712       | 29.694 | 29.665 | 29.666 | 29.610 | 29.567 | 29.585 | 29.577 | 29.560 | 29.624 | 29.687 | 29.727 | 29.639 |  |
|           | S. D.     | .144         | .136   | .123   | .091   | .089   | .068   | .054   | .067   | .069   | .080   | .108   | .130   | .116   |  |
|           | TOTAL OBS | 272          | 240    | 289    | 275    | 280    | 270    | 269    | 277    | 265    | 268    | 261    | 271    | 3237   |  |
| 13        | MEAN      | 29.661       | 29.664 | 29.641 | 29.646 | 29.601 | 29.565 | 29.579 | 29.563 | 29.537 | 29.591 | 29.642 | 29.672 | 29.613 |  |
|           | S. D.     | .141         | .134   | .122   | .107   | .087   | .069   | .053   | .066   | .070   | .078   | .110   | .130   | .110   |  |
|           | TOTAL OBS | 274          | 241    | 290    | 275    | 280    | 271    | 269    | 275    | 265    | 268    | 262    | 271    | 3241   |  |
| 16        | MEAN      | 29.650       | 29.639 | 29.616 | 29.622 | 29.578 | 29.545 | 29.555 | 29.535 | 29.511 | 29.574 | 29.627 | 29.660 | 29.592 |  |
|           | S. D.     | .142         | .134   | .121   | .089   | .086   | .069   | .053   | .066   | .069   | .078   | .107   | .130   | .110   |  |
|           | TOTAL OBS | 270          | 240    | 288    | 275    | 280    | 268    | 269    | 274    | 264    | 268    | 260    | 267    | 3223   |  |
| 19        | MEAN      | 29.680       | 29.648 | 29.629 | 29.635 | 29.587 | 29.536 | 29.552 | 29.523 | 29.514 | 29.589 | 29.652 | 29.688 | 29.602 |  |
|           | S. D.     | .144         | .131   | .126   | .088   | .089   | .066   | .050   | .064   | .071   | .084   | .107   | .128   | .115   |  |
|           | TOTAL OBS | 187          | 141    | 193    | 181    | 186    | 180    | 186    | 186    | 180    | 191    | 180    | 188    | 2179   |  |
| 22        | MEAN      | 29.697       | 29.664 | 29.656 | 29.661 | 29.609 | 29.552 | 29.569 | 29.542 | 29.529 | 29.602 | 29.666 | 29.703 | 29.620 |  |
|           | S. D.     | .142         | .133   | .121   | .089   | .090   | .067   | .051   | .074   | .071   | .085   | .107   | .129   | .116   |  |
|           | TOTAL OBS | 185          | 141    | 188    | 181    | 185    | 180    | 186    | 186    | 180    | 191    | 177    | 186    | 2166   |  |
| ALL HOURS | MEAN      | 29.681       | 29.657 | 29.640 | 29.646 | 29.596 | 29.550 | 29.566 | 29.547 | 29.529 | 29.594 | 29.653 | 29.688 | 29.610 |  |
|           | S. D.     | .143         | .135   | .122   | .094   | .090   | .068   | .053   | .070   | .071   | .083   | .111   | .132   | .114   |  |
|           | TOTAL OBS | 1624         | 1400   | 1788   | 1708   | 1801   | 1738   | 1758   | 1783   | 1657   | 1704   | 1560   | 1621   | 20142  |  |

GLOBAL CLIMATOLOGY BRANCH  
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## MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

93214 VANDENBERG AFB CA

67-70, 73-79

| STATION   |           | STATION NAME |        |        |        |        |        |        |        |        |        |        |        | YEARS  |  |
|-----------|-----------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| HRS (LST) |           | JAN.         | FEB.   | MAR.   | APR.   | MAY    | JUN.   | JUL.   | AUG.   | SEP.   | OCT.   | NOV.   | DEC.   | ANNUAL |  |
| 01        | MEAN      | 1019.1       | 1017.4 | 1017.7 | 1017.7 | 1016.0 | 1013.9 | 1014.4 | 1013.6 | 1013.0 | 1015.5 | 1017.5 | 1018.6 | 1016.1 |  |
|           | S.D.      | 4.692        | 4.644  | 4.038  | 3.173  | 3.177  | 2.232  | 1.649  | 2.373  | 2.204  | 2.924  | 3.983  | 4.673  | 3.931  |  |
|           | TOTAL OBS | 124          | 113    | 157    | 150    | 155    | 150    | 155    | 156    | 120    | 128    | 120    | 125    | 1653   |  |
| 04        | MEAN      | 1018.8       | 1016.7 | 1017.0 | 1017.1 | 1015.6 | 1013.6 | 1014.2 | 1013.3 | 1012.7 | 1015.1 | 1017.2 | 1018.5 | 1015.7 |  |
|           | S.D.      | 4.886        | 4.683  | 3.921  | 3.086  | 3.168  | 2.194  | 1.620  | 2.314  | 2.201  | 2.953  | 4.040  | 4.721  | 3.908  |  |
|           | TOTAL OBS | 124          | 113    | 157    | 150    | 155    | 150    | 155    | 155    | 120    | 128    | 120    | 125    | 1652   |  |
| 07        | MEAN      | 1019.2       | 1018.3 | 1017.5 | 1018.0 | 1015.9 | 1014.4 | 1015.0 | 1014.6 | 1014.0 | 1016.1 | 1018.3 | 1019.6 | 1016.4 |  |
|           | S.D.      | 4.859        | 4.510  | 4.245  | 3.107  | 3.048  | 2.338  | 1.838  | 2.220  | 2.358  | 2.734  | 3.689  | 4.329  | 3.751  |  |
|           | TOTAL OBS | 186          | 171    | 226    | 221    | 280    | 269    | 269    | 273    | 263    | 262    | 180    | 188    | 2788   |  |
| 10        | MEAN      | 1020.0       | 1019.3 | 1018.2 | 1018.3 | 1016.4 | 1014.9 | 1015.5 | 1015.2 | 1014.6 | 1016.8 | 1019.0 | 1020.4 | 1017.4 |  |
|           | S.D.      | 4.927        | 4.709  | 4.309  | 3.152  | 3.069  | 2.357  | 1.848  | 2.228  | 2.400  | 2.824  | 3.683  | 4.470  | 3.994  |  |
|           | TOTAL OBS | 272          | 240    | 289    | 275    | 280    | 270    | 269    | 277    | 265    | 268    | 261    | 271    | 3237   |  |
| 13        | MEAN      | 1018.1       | 1018.3 | 1017.5 | 1017.8 | 1016.1 | 1014.8 | 1015.3 | 1014.7 | 1013.8 | 1015.7 | 1017.4 | 1018.5 | 1016.5 |  |
|           | S.D.      | 4.918        | 4.579  | 4.191  | 3.067  | 3.014  | 2.368  | 1.826  | 2.221  | 2.423  | 2.678  | 3.782  | 4.452  | 3.757  |  |
|           | TOTAL OBS | 273          | 241    | 289    | 275    | 280    | 271    | 269    | 275    | 264    | 268    | 262    | 270    | 3237   |  |
| 16        | MEAN      | 1017.8       | 1017.5 | 1016.6 | 1016.8 | 1015.3 | 1014.2 | 1014.5 | 1013.8 | 1013.0 | 1015.1 | 1017.0 | 1018.1 | 1015.8 |  |
|           | S.D.      | 4.933        | 4.586  | 4.171  | 3.054  | 2.979  | 2.374  | 1.801  | 2.213  | 2.368  | 2.682  | 3.690  | 4.474  | 3.774  |  |
|           | TOTAL OBS | 270          | 240    | 288    | 274    | 280    | 268    | 269    | 274    | 264    | 268    | 260    | 266    | 3221   |  |
| 19        | MEAN      | 1018.9       | 1017.7 | 1017.1 | 1017.3 | 1015.6 | 1013.9 | 1014.4 | 1013.4 | 1013.1 | 1015.7 | 1017.8 | 1019.1 | 1016.2 |  |
|           | S.D.      | 4.953        | 4.504  | 4.308  | 3.006  | 3.044  | 2.295  | 1.721  | 2.203  | 2.444  | 2.893  | 3.697  | 4.409  | 3.973  |  |
|           | TOTAL OBS | 187          | 141    | 193    | 181    | 186    | 180    | 186    | 186    | 179    | 191    | 180    | 188    | 2178   |  |
| 22        | MEAN      | 1019.4       | 1018.3 | 1018.0 | 1018.2 | 1016.4 | 1014.4 | 1015.0 | 1014.0 | 1013.6 | 1016.1 | 1018.3 | 1019.6 | 1016.8 |  |
|           | S.D.      | 4.872        | 4.561  | 4.146  | 3.038  | 3.094  | 2.298  | 1.749  | 2.284  | 2.455  | 2.924  | 3.671  | 4.419  | 3.978  |  |
|           | TOTAL OBS | 186          | 141    | 188    | 181    | 185    | 180    | 186    | 186    | 180    | 191    | 179    | 186    | 2169   |  |
| ALL HOURS | MEAN      | 1018.9       | 1018.1 | 1017.4 | 1017.7 | 1015.9 | 1014.3 | 1014.9 | 1014.2 | 1013.6 | 1015.8 | 1017.9 | 1019.1 | 1016.4 |  |
|           | S.D.      | 4.924        | 4.643  | 4.211  | 3.124  | 3.078  | 2.354  | 1.831  | 2.337  | 2.449  | 2.849  | 3.811  | 4.534  | 3.907  |  |
|           | TOTAL OBS | 1622         | 1400   | 1787   | 1707   | 1801   | 1738   | 1758   | 1782   | 1655   | 1704   | 1562   | 1619   | 20135  |  |