AD A072032

USAFETAC/DS-79/021

AD A072032

# DATA PROCESSING DIVISION
# USAFETAC
## Air Weather Service ( MAC )

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

LUKE AFB ARIZONA/PHOENIX WBAN# 23111
N 33 32 W 112 23 ELEV 1121 FT KLUF WMO#

PARTS A-F

POR FROM HOURLY OBS: DEC 41-FEB 46, APR-NOV 46, APR 51-JUL 72
POR FROM DAILY OBS: DEC 41-FEB 46, APR-NOV 46, APR 51-JUL 72

MAR 13 1974

FEDERAL BUILDING
ASHEVILLE, N. C.

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

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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 Luke AFB, Phoenix, Arizona
It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)

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

* Arizona * Luke AFB AZ

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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AIR WEATHER SERVICE (MAC)

# 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 set 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_____ | APRIL_____ | JULY_____ | OCTOBER_____ |
| FEBRUARY_____ | MAY_____ | AUGUST_____ | NOVEMBER_____ |
| MARCH_____ | JUNE_____ | SEPTEMBER_____ | DECEMBER_____ |

| STATION NO ON SUMMARY | STATION NAME | LATITUDE | LONGITUDE | STATION ELEV (FT) | CALL SIGN | WMO NUMBER |
|---|---|---|---|---|---|---|
| 23111 | LUKE AFB ARIZONA/PHOENIX | N 33 32 | W 112 23 | 1121 | KLUF | |

# STATION LOCATION AND INSTRUMENTATION HISTORY

| NUMBER OF LOCATION | GEOGRAPHICAL LOCATION & NAME | TYPE OF STATION | AT THIS LOCATION FROM | AT THIS LOCATION TO | LATITUDE | LONGITUDE | ELEVATION ABOVE MSL STATION (FT) | ELEVATION ABOVE MSL BAROMETER | OBS PER DAY |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Luke Field Arizona | AAF | Dec 41 | Nov 46 | N 33 32 | W 112 22 | 1092 | 1095Ft | 24 |
| 2 | Luke AFB Arizona | AFB | Apr 51 | Feb 53 | Same | Same | Same | Same | 24 |
| 3 | Same | Same | Mar 53 | Mar 55 | N 33 30 | Same | 1116 | 1093Ft | 24 |
| 4 | Same | Same | Apr 55 | Feb 58 | Same | Same | Same | Same | 24 |
| 5 | Same | Same | Mar 58 | 19 Mar 62 | N 33 32 | W 112 23 | 1121 | Same | 24 |
| 6 | Same | Same | 20 Mar 62 | Jul 72 | Same | Same | Same | 1087Ft | 24 |

| NUMBER OF LOCATION | DATE OF CHANGE | SURFACE WIND EQUIPMENT INFORMATION: LOCATION | TYPE OF TRANSMITTER | TYPE OF RECORDER | HT ABOVE GROUND | REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE |
|---|---|---|---|---|---|---|
| 1 | Dec 41 to Apr 43 | Located in N half of Bldg 27-2. | Anemometer | N/A | 20 Ft | |
| 2 | May 43 to Nov 46 | Same Bldg T-439 | Selsyn | ML-144 | Same | |
| 3 | Apr 51 to 28 Mar 54 | Located on platform on Weather Station. | AN/GMQ-1 | N/A | 33 Ft | |
| 4 | 29 Mar 54 to Feb 58 | Located on top of Operations Bldg. | Same | N/A | 29 Ft | |
| 5 | Mar 58 to Feb 59 | Located on top of Control Tower. | Same | N/A | 75 Ft | |
| 6 | Mar 59 to Feb 61 | Located 1000 ft N of Control Tower. | AN/GMQ-11 | RO-2 | 10 Ft | |

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CONTINUED ON REVERSE SIDE

| NUMBER OF LOCATION | DATE OF CHANGE | SURFACE WIND EQUIPMENT INFORMATION | | | | REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE |
|---|---|---|---|---|---|---|
| | | LOCATION | TYPE OF TRANSMITTER | TYPE OF RECORDER | HT ABOVE GROUND | |
| 7 | Mar 61to Jun 70 | 1.Located 950 ft N of ROS,570 ft SE from center of Rnwy 03R | Same | Same | 12 Ft | |
| | | 2.Located 900 ft NW of Taxiway. | Same | | Same | |
| 8 | Jul 70to Dec 70 | 1.Located 950 ft N of ROS,600 ft SE from center of Rnwy 03R. | Same | RO-362 | Same | |
| | | 2.Located 900 ft NW of Taxiway, near approach end of Rnwy 03L. | Same | RO-2 | Same | |
| | | 3.Located 550 ft NE of end of Rnwy 21R. | Same | | Same | |
| 9 | Jan 71to Jul 72 | 1. Same | AN/GMQ-20 | RO-362 | Same | |
| | | 2. Located 550 ft NE of end of Rnwy 21R. | Same | | Same | |

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ASHEVILLE, NORTH CAROLINA

A

# 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.

Occurrences of 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 - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

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 total columns.

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

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

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

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

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.

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# WEATHER CONDITIONS

| 23111 | LUKE AFB ARIZONA/PHOENIX | 41-46,51-72 | ALL |
|---|---|---|---|
| STATION | STATION NAME | YEARS | MONTH |

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L S T.) | THUNDER-STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO OF OBS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN | ALL | .0 | 3.0 | | .0 | | 3.0 | 1.1 | .8 | | .1 | 1.9 | 19200 |
| FEB | | .1 | 2.5 | | | .0 | 2.5 | .3 | .2 | | .2 | .6 | 17093 |
| MAR | | .1 | 2.3 | | | | 2.3 | .2 | .1 | | .2 | .5 | 18500 |
| APR | | .1 | 1.1 | | | | 1.1 | | .1 | | .2 | .3 | 18919 |
| MAY | | .0 | .4 | | | | .4 | .0 | .0 | | .1 | .2 | 19968 |
| JUN | | .3 | .3 | | | | .3 | | .1 | | .3 | .4 | 19066 |
| JUL | | 1.2 | 1.9 | | | | 1.9 | .0 | .1 | | .7 | .8 | 19804 |
| AUG | | 1.9 | 2.5 | | | | 2.5 | .1 | .1 | | .7 | .8 | 19312 |
| SEP | | .6 | 1.5 | | | .0 | 1.5 | .0 | .0 | | .3 | .4 | 18690 |
| OCT | | .2 | 1.4 | | | | 1.4 | .1 | .1 | | .2 | .4 | 19309 |
| NOV | | .1 | 1.7 | | | | 1.7 | .3 | .5 | | .1 | .9 | 18321 |
| DEC | | .1 | 3.1 | | .0 | .0 | 3.2 | 1.1 | 1.1 | | .0 | 2.1 | 19268 |
| TOTALS | | .4 | 1.8 | | .0 | .0 | 1.8 | .3 | .3 | | .3 | .8 | 227470 |

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# WEATHER CONDITIONS

23111 | LUKE AFB ARIZONA/PHOENIX | 42-46,52-72 | JAN
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER-STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN | 00-02 | | 2,8 | | | | 2,8 | ,6 | ,1 | | ,1 | ,9 | 2393 |
| | 03-05 | ,0 | 2,9 | | ,0 | | 2,9 | 1,5 | ,3 | | ,1 | 1,7 | 2405 |
| | 06-08 | | 3,3 | | ,0 | | 3,3 | 1,8 | ,7 | | | 2,4 | 2405 |
| | 09-11 | | 3,3 | | ,0 | | 3,3 | 2,0 | 1,7 | | ,1 | 3,7 | 2397 |
| | 12-14 | | 2,6 | | | | 2,6 | 1,0 | 2,4 | | | 3,3 | 2404 |
| | 15-17 | ,1 | 3,2 | | | | 3,2 | ,7 | ,8 | | | 1,5 | 2403 |
| | 18-20 | ,0 | 2,9 | | | | 2,9 | ,6 | ,3 | | | ,9 | 2400 |
| | 21-23 | | 2,7 | | ,0 | | 2,7 | ,6 | ,2 | | ,1 | ,9 | 2393 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | ,1 | 3,0 | | ,0 | | 3,0 | 1,1 | ,8 | | ,1 | 1,9 | 49200 |

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# WEATHER CONDITIONS

23111 — STATION
LUKE AFB ARIZONA/PHOENIX — STATION NAME
42-46,52-72 — YEARS
FEB — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER-STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FEB | 00-02 | | 2,7 | | | | 2,7 | ,1 | ,0 | | ,2 | ,4 | 2136 |
| | 03-05 | ,0 | 2,3 | | | | 2,3 | ,3 | | | ,0 | ,3 | 2136 |
| | 06-08 | ,0 | 2,3 | | | | 2,3 | ,5 | ,2 | | ,1 | ,8 | 2134 |
| | 09-11 | | 2,0 | | | | 2,0 | ,2 | ,5 | | ,2 | ,9 | 2136 |
| | 12-14 | ,2 | 2,6 | | | ,0 | 2,6 | ,2 | ,3 | | ,2 | ,7 | 2136 |
| | 15-17 | ,3 | 3,0 | | | | 3,0 | ,2 | ,2 | | ,4 | ,8 | 2130 |
| | 18-20 | ,1 | 2,9 | | | | 2,9 | ,3 | ,1 | | ,3 | ,7 | 2141 |
| | 21-23 | | 2,5 | | | | 2,5 | ,3 | ,1 | | | ,4 | 2144 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | ,1 | 2,5 | | | ,0 | 2,5 | ,3 | ,2 | | ,2 | ,6 | 17093 |

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# WEATHER CONDITIONS

| 23111 | LUKE AFB ARIZONA/PHOENIX | 42-45,52-72 | MAR |
|---|---|---|---|
| STATION | STATION NAME | YEARS | MONTH |

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER-STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAR | 00-02 | .0 | 2.1 | | | | 2.1 | | | | .1 | .1 | 2312 |
| | 03-05 | .1 | 2.0 | | | | 2.0 | .2 | .1 | | .0 | .3 | 2311 |
| | 06-08 | .1 | 2.3 | | | | 2.3 | .6 | .1 | | .1 | .8 | 2316 |
| | 09-11 | .1 | 2.2 | | | | 2.2 | .5 | .1 | | .2 | .7 | 2316 |
| | 12-14 | .2 | 2.7 | | | | 2.7 | .2 | .2 | | .7 | 1.1 | 2310 |
| | 15-17 | .1 | 2.4 | | | | 2.4 | | | | .6 | .6 | 2311 |
| | 18-20 | .2 | 2.6 | | | | 2.6 | | | | .1 | .1 | 2311 |
| | 21-23 | | 2.0 | | | | 2.0 | | | | .1 | .1 | 2313 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .1 | 2.3 | | | | 2.3 | .2 | .1 | | .2 | .5 | 18500 |

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# WEATHER CONDITIONS

| 23111 | LUKE AFB ARIZONA/PHOENIX | 42-46,51-72 | APR |
|---|---|---|---|
| STATION | STATION NAME | YEARS | MONTH |

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER-STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| APR | 00-02 | | .7 | | | | .7 | | .1 | | .0 | .2 | 2365 |
| | 03-05 | .0 | .8 | | | | .8 | | .1 | | | .1 | 2365 |
| | 06-08 | .0 | 1.4 | | | | 1.4 | | .2 | | .0 | .3 | 2366 |
| | 09-11 | | 1.6 | | | | 1.6 | | .2 | | .1 | .3 | 2366 |
| | 12-14 | .1 | 1.4 | | | | 1.4 | | .1 | | .3 | .4 | 2364 |
| | 15-17 | .1 | .9 | | | | .9 | | .0 | | .8 | .8 | 2362 |
| | 18-20 | .3 | 1.2 | | | | 1.2 | | .0 | | .5 | .6 | 2362 |
| | 21-23 | | 1.1 | | | | 1.1 | | | | .0 | .0 | 2369 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .1 | 1.1 | | | | 1.1 | | .1 | | .2 | .3 | 18919 |

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# WEATHER CONDITIONS

23111 — STATION
LUKE AFB ARIZONA/PHOENIX — STATION NAME
42-46,51-72 — YEARS
MAY — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER-STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY | 00-02 | | .4 | | | | .4 | | | | .1 | .1 | 2500 |
| | 03-05 | .1 | .4 | | | | .4 | .0 | | | | .0 | 2499 |
| | 06-08 | | .1 | | | | .1 | .1 | | | | .1 | 2494 |
| | 09-11 | .0 | .2 | | | | .2 | | .0 | | | .0 | 2492 |
| | 12-14 | | .2 | | | | .2 | | .0 | | .2 | .2 | 2497 |
| | 15-17 | .1 | .3 | | | | .3 | | .2 | | .4 | .6 | 2494 |
| | 18-20 | .1 | .6 | | | | .6 | | .0 | | .4 | .4 | 2498 |
| | 21-23 | | .6 | | | | .6 | | | | .0 | .0 | 2494 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .0 | .4 | | | | .4 | .0 | .0 | | .1 | .2 | 19968 |

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# WEATHER CONDITIONS

| 23111 | LUKE AFB ARIZONA/PHOENIX | 42-46,55-72 | JUN |
|---|---|---|---|
| STATION | STATION NAME | YEARS | MONTH |

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER-STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JUN | 00-02 | .3 | .5 | | | | .5 | | | | .1 | .1 | 2383 |
| | 03-05 | .1 | .3 | | | | .3 | | | | .1 | .1 | 2382 |
| | 06-08 | .1 | .2 | | | | .2 | | .0 | | .0 | .1 | 2382 |
| | 09-11 | .2 | .3 | | | | .3 | | .2 | | .1 | .3 | 2382 |
| | 12-14 | .2 | .1 | | | | .1 | | .2 | | .2 | .4 | 2382 |
| | 15-17 | .5 | .3 | | | | .3 | | .1 | | .3 | .4 | 2386 |
| | 18-20 | .3 | .3 | | | | .3 | | | | 1.0 | 1.0 | 2384 |
| | 21-23 | .3 | .3 | | | | .3 | | | | .6 | .6 | 2385 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .3 | .3 | | | | .3 | | .1 | | .3 | .4 | 19066 |

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# WEATHER CONDITIONS

23111 — STATION
LUKE AFB ARIZONA/PHOENIX — STATION NAME
42-46,51-72 — YEARS
JUL — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L S.T.) | THUNDER-STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO OF OBS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL | 00-02 | 2.4 | 3.8 | | | | 3.8 | | | | .7 | .7 | 2442 |
| | 03-05 | 1.0 | 2.1 | | | | 2.1 | | | | .2 | .2 | 2413 |
| | 06-08 | .3 | 1.3 | | | | 1.3 | .0 | .2 | | .1 | .4 | 2491 |
| | 09-11 | .1 | 1.0 | | | | 1.0 | | .4 | | .1 | .5 | 2484 |
| | 12-14 | .2 | .8 | | | | .8 | | .1 | | .1 | .2 | 2494 |
| | 15-17 | .2 | .4 | | | | .4 | | | | .6 | .6 | 2494 |
| | 18-20 | 1.6 | 2.3 | | | | 2.3 | | | | 2.2 | 2.2 | 2489 |
| | 21-23 | 4.1 | 3.5 | | | | 3.5 | | | | 1.7 | 1.7 | 2497 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | 1.2 | 1.9 | | | | 1.9 | .0 | .1 | | .7 | .8 | 19804 |

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER-STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AUG | 00-02 | 3,6 | 4,6 | | | | 4,6 | ,2 | | | ,6 | ,8 | 2414 |
| | 03-05 | 1,6 | 2,7 | | | | 2,7 | ,2 | | | ,3 | ,5 | 2411 |
| | 06-08 | ,7 | 2,1 | | | | 2,1 | ,1 | ,2 | | ,1 | ,4 | 2410 |
| | 09-11 | ,5 | 1,2 | | | | 1,2 | | ,1 | | ,1 | ,2 | 2415 |
| | 12-14 | ,3 | 1,0 | | | | 1,0 | | ,1 | | ,0 | ,1 | 2416 |
| | 15-17 | ,7 | ,9 | | | | ,9 | | | | ,0 | ,9 | 2416 |
| | 18-20 | 2,0 | 2,3 | | | | 2,3 | ,0 | | | 1,9 | 2,0 | 2415 |
| | 21-23 | 4,0 | 5,1 | | | | 5,1 | ,0 | ,0 | | 1,6 | 1,7 | 2415 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | 1,9 | 2,5 | | | | 2,5 | ,1 | ,1 | | ,7 | ,8 | 19312 |

DATA PROCESSING BRANCH
USAF ETAC
1 AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

23111 LUKE AFB ARIZONA/PHOENIX 42-46,51-71 SEP

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER-STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO OF OBS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEP | 00-02 | .7 | 1.7 | | | | 1.7 | | | | .2 | .2 | 2338 |
| | 03-05 | .7 | 1.8 | | | | 1.8 | .0 | | | | .0 | 2335 |
| | 06-08 | .4 | 1.7 | | | | 1.7 | .3 | | | .1 | .4 | 2337 |
| | 09-11 | .4 | 1.0 | | | | 1.0 | .0 | .0 | | .1 | .2 | 2337 |
| | 12-14 | .2 | 1.2 | | | .0 | 1.2 | .0 | .0 | | .1 | .2 | 2334 |
| | 15-17 | .6 | 1.4 | | | | 1.4 | | | | .6 | .6 | 2336 |
| | 18-20 | .9 | 1.5 | | | | 1.5 | | | | .8 | .8 | 2335 |
| | 21-23 | 1.1 | 1.9 | | | | 1.9 | | .0 | | .3 | .6 | 2338 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .6 | 1.5 | | | .0 | 1.5 | .0 | .0 | | .3 | .4 | 18690 |

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

23111 — STATION
LUKE AFB ARIZONA/PHOENIX — STATION NAME
42-46;51-71 — YEARS
OCT — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER-STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT | 00-02 | .2 | 1.6 | | | | 1.6 | .1 | | | | .1 | 2415 |
| | 03-05 | .3 | 1.5 | | | | 1.5 | .0 | .1 | | | .1 | 2413 |
| | 06-08 | .1 | 1.4 | | | | 1.4 | .2 | | | .2 | .4 | 2414 |
| | 09-11 | | 1.2 | | | | 1.2 | .2 | .2 | | .5 | .9 | 2412 |
| | 12-14 | .2 | 1.2 | | | | 1.2 | .1 | .1 | | .3 | .5 | 2412 |
| | 15-17 | .3 | 1.2 | | | | 1.2 | | .1 | | .5 | .6 | 2414 |
| | 18-20 | .3 | 1.2 | | | | 1.2 | .1 | | | .3 | .5 | 2413 |
| | 21-23 | .3 | 1.9 | | | | 1.9 | .1 | | | .0 | .1 | 2416 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .2 | 1.4 | | | | 1.4 | .1 | .1 | | .2 | .4 | 19309 |

DATA PROCESSING BRANCH
USAF ETAC
1 AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER-STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NOV | 00-02 | .0 | 1.6 | | | | 1.6 | .3 | .4 | | .1 | .8 | 2293 |
| | 03-05 | .2 | 2.0 | | | | 2.0 | .3 | .3 | | | .7 | 2292 |
| | 06-08 | .1 | 1.8 | | | | 1.8 | .5 | .5 | | | 1.0 | 2291 |
| | 09-11 | .0 | 2.1 | | | | 2.1 | .5 | .8 | | .0 | 1.1 | 2291 |
| | 12-14 | .0 | 1.8 | | | | 1.8 | .4 | .5 | | .3 | 1.2 | 2288 |
| | 15-17 | .1 | 1.4 | | | | 1.4 | .2 | .5 | | .2 | 1.0 | 2285 |
| | 18-20 | .0 | 1.2 | | | | 1.2 | .2 | .3 | | .2 | .7 | 2290 |
| | 21-23 | .2 | 1.4 | | | | 1.4 | .2 | .4 | | .1 | .8 | 2291 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .1 | 1.7 | | | | 1.7 | .3 | .5 | | .1 | .9 | 18321 |

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 41-45,51-71 YEARS | DEC MONTH

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

| MONTH | HOURS (L.S.T.) | THUNDER-STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | 00-02 | .0 | 3.0 | | .1 | | 3.1 | .9 | .4 | | | 1.2 | 2409 |
| | 03-05 | .0 | 3.6 | | | | 3.6 | 1.4 | .6 | | | 1.9 | 2411 |
| | 06-08 | .1 | 3.1 | | .0 | | 3.1 | 1.8 | .9 | | | 2.4 | 2413 |
| | 09-11 | .1 | 2.8 | | | .0 | 2.8 | 1.5 | 1.7 | | .0 | 3.1 | 2409 |
| | 12-14 | | 3.7 | | | | 3.7 | 1.0 | 1.7 | | | 2.7 | 2411 |
| | 15-17 | .1 | 3.3 | | | | 3.3 | 1.0 | 1.6 | | | 2.6 | 2414 |
| | 18-20 | .1 | 2.7 | | | | 2.7 | .5 | 1.0 | | .0 | 1.6 | 2410 |
| | 21-23 | .0 | 2.9 | | | | 2.9 | .3 | .6 | | | .9 | 2411 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .1 | 3.1 | | .0 | .0 | 3.2 | 1.1 | 1.1 | | .0 | 2.1 | 19288 |

# 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.

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**
ATMOSPHERIC PHENOMENA

| 23111 | LUKE AFB ARIZONA/PHOENIX | 46, 51-72 | ALL |
|---|---|---|---|
| STATION | STATION NAME | YEARS | MONTH |

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN &/OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN | DAILY | .4 | 14.4 | | .1 | .1 | 14.8 | 5.0 | 4.8 | | .1 | 8.9 | 682 |
| FEB | | 2.0 | 13.6 | | .2 | .5 | 13.8 | 1.6 | 1.6 | | .7 | 3.6 | 608 |
| MAR | | 1.5 | 13.5 | | | .6 | 13.5 | 2.0 | 1.1 | | .6 | 3.4 | 681 |
| APR | | .7 | 10.0 | | | .1 | 1..4 | .1 | 1.3 | | 1.6 | 3.1 | 673 |
| MAY | | 1.3 | 5.4 | | | .1 | 6.1 | .3 | .7 | | .9 | 1.9 | 690 |
| JUN | | 4.3 | 6.5 | | | | 6.2 | | .9 | | 1.7 | 2.6 | 690 |
| JUL | | 20.9 | 26.0 | | | .3 | 26.1 | .3 | 1.2 | | 8.4 | 9.5 | 681 |
| AUG | | 25.4 | 32.7 | | | .4 | 32.8 | .6 | .9 | | 8.2 | 9.4 | 686 |
| SEP | | 10.0 | 14.0 | | | .2 | 14.5 | .5 | .5 | | 2.0 | 3.0 | 660 |
| OCT | | 3.7 | 10.8 | | | .3 | 11.2 | .9 | .9 | | .7 | 2.3 | 681 |
| NOV | | 1.7 | 13.2 | | | | 13.6 | 2.2 | 3.3 | | .6 | 5.1 | 648 |
| DEC | | 1.2 | 16.3 | | .6 | .2 | 16.3 | 5.8 | 5.4 | | | 9.5 | 651 |
| TOTALS | | 6.1 | 14.6 | | .1 | .2 | 15.0 | 1.7 | 1.9 | | 2.1 | 5.2 | 7992 |

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

# PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

| | |
|---|---|
| PRECIPITATION | DERIVED FROM DAILY OBSERVATIONS |
| SNOWFALL* | DERIVED FROM DAILY OBSERVATIONS |
| SNOW DEPTH | DERIVED FROM DAILY OBSERVATIONS |

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.

2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

| | | |
|---|---|---|
| Air Force Stations | From beginning of record thru 1945 | Snow depth at 0800 LST |
| | Jan 46-May 57 | Snow depth at 1230 GCT |
| | Jun 57-present | Snow depth at 1200 GCT |
| U. S. Navy and Weather Bureau Stations | From beginning of record thru Jun 52 | Snow depth at 0030 GCT |
| | Jul 52-May 57 | Snow depth at 1230 GCT |
| | Jun 57-present | Snow depth at 1200 GCT |

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,

5WW/DNC

| STATION: Det 15, 25WS Luke AFB, Arizona | Total Precip Amt (in) | Max 24-hr Precip (in) | Days with Precip >Trace | Days with Snow >Trace | Total Snow Fall (in) | Max Snow Dept (in) | Max 24-hr Snowfall (in) | Max and Min temp FF | Max wind Speed and Direction |
|---|---|---|---|---|---|---|---|---|---|
| 1975 January | .10 | .05 | 3 | 0 | 0 | 0 | 0 | 81/30 | 010/35 |
| February | .22 | .13 | 5 | 0 | 0 | 0 | 0 | 82/32 | *280/44 |
| March | .56 | .42 | 3 | 0 | 0 | 0 | 0 | 83/41 | 270/37 |
| April | .35 | .22 | 3 | 0 | 0 | 0 | 0 | 88/40 | 130/33 |
| May | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 102/48 | 200/39 |
| June | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 108/60 | 210/31 |
| July | .34 | .14 | 4 | 0 | 0 | 0 | 0 | 110/68 | 040/38 |
| August | .15 | .13 | 2 | 0 | 0 | 0 | 0 | 114/65 | 350/41 |
| September | .89 | .49 | 2 | 0 | 0 | 0 | 0 | 104/62 | 020/43 |
| October | .51 | .36 | 3 | 0 | 0 | 0 | 0 | 98/43 | 100/34 |
| November | .34 | .22 | 2 | 0 | 0 | 0 | 0 | 92/36 | 190/40 |
| December | .72 | .32 | 4 | 0 | 0 | 0 | 0 | 80/34 | 170/25 |

* New maximum for month

Observing hours 24 hours daily

# LUKE AFB — RUNWAY 03-21

## PERCENT OF TIME WITH CROSS WIND COMPONENT

| LST | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 KNOTS | | | | | | | |
| 06-08 | .3 | .7 | .8 | .9 | .2 | .1 | .1 | .1 | .0 | .1 | .2 | .3 |
| 09-11 | 1.0 | 1.5 | 1.6 | 2.0 | 1.3 | .6 | .7 | .7 | 1.6 | 1.3 | 1.0 | 1.0 |
| 12-14 | 1.6 | 3.6 | 3.8 | 3.1 | 2.2 | 1.0 | .7 | 1.0 | 2.3 | 2.6 | 2.2 | 1.2 |
| 15-17 | 2.0 | 4.7 | 3.7 | 2.4 | 5.1 | 3.6 | 2.0 | 2.3 | 2.9 | 1.4 | 2.2 | 1.6 |
| 18-20 | .6 | 2.3 | 4.0 | 4.1 | 3.3 | 2.5 | 3.3 | 1.3 | 1.5 | 1.0 | 1.0 | .9 |
| MEAN | 1.1 | 2.6 | 2.2 | 3.3 | 2.4 | 1.6 | 1.4 | 1.7 | 1.8 | 1.3 | 1.3 | 1.0 |
| ANNUAL MEAN 1.9 | | | | | | | | | | | | |
| | | | | | 15 KNOTS | | | | | | | |
| 06-08 | .1 | .3 | .2 | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 09-11 | .2 | .5 | .7 | .4 | .3 | .1 | .1 | .2 | .3 | .1 | .2 | .3 |
| 12-14 | .6 | 1.1 | 1.3 | 1.0 | .6 | .1 | .1 | .2 | .8 | .8 | .7 | .4 |
| 15-17 | .6 | 1.9 | 3.1 | 1.6 | 1.4 | .4 | .2 | .7 | .9 | .3 | .9 | .4 |
| 18-20 | .1 | 1.2 | 1.5 | 1.4 | 1.0 | .4 | 1.1 | 1.4 | .6 | .4 | .3 | .3 |
| MEAN | .4 | 1.0 | 1.4 | 0.9 | 0.7 | .2 | 0.3 | 0.5 | 0.5 | 0.3 | 0.4 | 0.3 |
| ANNUAL MEAN 0.6 | | | | | | | | | | | | |
| | | | | | 25 KNOTS | | | | | | | |
| 06-08 | .0 | .0 | 0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 09-11 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 12-14 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 15-17 | .0 | .0 | .2 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 18-20 | 0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| MEAN | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| ANNUAL MEAN .0 | | | | | | | | | | | | |

NOTE .1 = 1/10 of 1%

.0 = LESS than 1/10 OF 1% but greater than 0%

Project Completed 14 Jan 76 for TMC/KPPD

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF PRECIPITATION
(FROM DAILY OBSERVATIONS)

23111 — STATION
LUKE AFB ARIZONA/PHOENIX — STATION NAME
41-46, 51-72 — YEARS

| | AMOUNTS (INCHES) | | | | | | | | | | | | | PERCENT OF DAYS WITH MEASURABLE AMTS | TOTAL NO. OF OBS. | MONTHLY AMOUNTS (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 < | 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-DEPTH | NONE | TRACE | 1 | 2 | 3 | 4-6 | 7-12 | 13-24 | 25-36 | 37-48 | 49-60 | 61 120 | OVER 120 | | | | | |
| JAN | 85.3 | 4.8 | .8 | 2.6 | 1.3 | 2.3 | 1.5 | 1.3 | .1 | | | | | 9.9 | 775 | .72 | 2.85 | .00 |
| FEB | 84.5 | 5.0 | .9 | 2.1 | 2.2 | 3.1 | 1.2 | .7 | .3 | | | | | 10.5 | 679 | .61 | 2.09 | TRACE |
| MAR | 85.5 | 3.2 | .5 | 1.8 | 1.5 | 2.5 | 1.9 | 1.0 | | | | | | 9.3 | 775 | .63 | 2.39 | .00 |
| APR | 89.4 | 5.8 | .5 | 1.8 | .9 | .6 | .3 | .8 | | | | | | 4.9 | 780 | .25 | 1.77 | .00 |
| MAY | 94.3 | 3.7 | | .9 | .6 | .2 | .1 | .1 | | | | | | 2.0 | 806 | .08 | .57 | .00 |
| JUN | 93.8 | 4.4 | .4 | .5 | .4 | .1 | .2 | .1 | | | | | | 1.7 | 810 | .07 | .78 | .00 |
| JUL | 73.5 | 14.6 | 1.7 | 3.6 | 1.4 | 1.9 | 1.9 | 1.3 | .1 | | | | | 11.9 | 837 | .73 | 2.36 | TRACE |
| AUG | 68.0 | 15.7 | 2.4 | 3.9 | 3.0 | 2.8 | 1.7 | 1.5 | .8 | .1 | | | | 16.3 | 744 | 1.24 | 8.40 | .04 |
| SEP | 86.2 | 6.5 | 1.2 | .9 | .6 | 2.2 | .9 | .9 | .5 | .1 | | | | 7.3 | 780 | .84 | 4.01 | .00 |
| OCT | 88.1 | 5.2 | .5 | 2.0 | 1.2 | 1.1 | 1.0 | .3 | .4 | | | | | 6.7 | 806 | .46 | 2.10 | .00 |
| NOV | 86.7 | 5.5 | .7 | 1.3 | 1.1 | 2.4 | 2.0 | .4 | | | | | | 7.9 | 750 | .47 | 1.86 | .00 |
| DEC | 83.3 | 6.0 | .4 | 2.0 | 2.1 | 3.0 | 1.9 | .9 | .6 | | | | | 10.8 | 806 | .87 | 4.47 | .00 |
| ANNUAL | 84.9 | 6.9 | .8 | 1.9 | 1.4 | 1.8 | 1.2 | .8 | .2 | .0 | | | | 8.3 | 9348 | 6.97 | | |

1210 WS FORM JUL 64 0-15-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

23111 LUKE AFB ARIZONA/PHOENIX 41-46, 51-72
STATION STATION NAME YEARS

24 HOUR AMOUNTS IN INCHES

| MONTH / YEAR | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ALL MONTHS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 41 | | | | | | | | | | | | .44 | |
| 42 | .40 | | .25 | .70 | .00 | .00 | .36 | .19 | .02 | .16 | TRACE | .24 | |
| 43 | | .03 | .66 | .02 | TRACE | TRACE | .20 | 1.05 | .65 | .22 | .00 | .80 | |
| 44 | .28 | .84 | .30 | .06 | .97 | .00 | 1.90 | .24 | .38 | .16 | .35 | .38 | 1.90 |
| 45 | .01 | .09 | .35 | TRACE | .00 | .00 | .42 | .04 | TRACE | .84 | .00 | .16 | .84 |
| 46 | .32 | | | .04 | .00 | .00 | .62 | .04 | 1.88 | .10 | | | |
| 51 | | | | | .24 | .00 | .98 | 2.87 | .12 | 1.44 | .74 | .35 | |
| 52 | .48 | .15 | .44 | .69 | .00 | .07 | .28 | .23 | .21 | .00 | .72 | .28 | .72 |
| 53 | .14 | .30 | .26 | TRACE | .08 | TRACE | .56 | .25 | .00 | TRACE | .12 | .10 | .56 |
| 54 | 2.17 | .50 | .79 | .00 | .08 | .30 | .24 | .18 | 1.58 | .08 | .00 | TRACE | 2.17 |
| 55 | .86 | TRACE | .00 | TRACE | TRACE | .78 | .48 | 1.05 | .00 | .09 | .16 | .06 | 1.05 |
| 56 | .15 | .34 | .00 | TRACE | TRACE | .01 | .09 | .85 | .01 | 1.01 | .00 | .02 | 1.01 |
| 57 | .62 | .19 | .54 | .58 | .07 | .12 | .35 | .08 | .00 | 1.06 | .44 | .07 | 1.06 |
| 58 | .02 | 1.49 | .21 | .40 | .04 | TRACE | .04 | .14 | 1.81 | .17 | .36 | .00 | 1.81 |
| 59 | .04 | .90 | .00 | .04 | TRACE | .06 | .93 | .64 | .12 | .58 | .38 | .79 | .93 |
| 60 | .36 | .07 | .19 | TRACE | .02 | TRACE | .08 | .68 | .02 | .38 | .07 | .05 | .68 |
| 61 | .14 | TRACE | .16 | TRACE | TRACE | TRACE | .70 | .56 | TRACE | .05 | .01 | 1.25 | 1.25 |
| 62 | .56 | .15 | .30 | TRACE | .00 | .01 | .02 | .07 | .19 | TRACE | .22 | .29 | .56 |
| 63 | .26 | 1.02 | .31 | .14 | TRACE | .00 | TRACE | .66 | .36 | .91 | .69 | TRACE | 1.02 |
| 64 | .19 | .22 | .21 | .08 | TRACE | TRACE | .35 | .90 | .43 | .38 | .06 | .75 | .90 |
| 65 | .81 | .84 | .83 | .70 | .35 | TRACE | .27 | .42 | .75 | TRACE | .32 | 1.55 | 1.55 |
| 66 | .30 | .88 | .20 | TRACE | TRACE | TRACE | .56 | | 1.83 | .05 | .27 | .39 | |
| 67 | .34 | TRACE | .22 | .15 | .02 | .33 | .64 | | .72 | .32 | .40 | 1.66 | |
| 68 | .07 | .63 | .41 | TRACE | | .04 | .44 | .09 | .00 | .29 | .46 | .26 | |
| 69 | .91 | .19 | .32 | .19 | .21 | .00 | .66 | .49 | .26 | TRACE | .47 | .37 | .91 |
| 70 | .04 | .19 | .71 | TRACE | .00 | .00 | .02 | .67 | 3.47 | .02 | .04 | .31 | 3.47 |
| 71 | .16 | .19 | TRACE | .01 | .06 | .00 | .35 | .38 | .79 | .08 | TRACE | .14 | .79 |
| 72 | .00 | TRACE | .00 | TRACE | .05 | .09 | .70 | | | | | | |
| | | | | | | | | | | | | | |
| MEAN | .42 | .38 | .31 | .12 | .07 | .07 | .44 | .24 | .60 | .32 | .25 | .41 | 1.22 |
| S. D. | .459 | .408 | .244 | .161 | .134 | .166 | .401 | .391 | .850 | .401 | .246 | .462 | .710 |
| TOTAL OBS. | 775 | 679 | 775 | 780 | 806 | 810 | 837 | 744 | 780 | 806 | 750 | 806 | 9348 |

1210 WS FORM JUL 64 0-88-5 (Dec 50)

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

23111 LUKE AFB ARIZONA/PHOENIX 41-46, 51-72
STATION STATION NAME YEARS

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

| MONTH / YEAR | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ALL MONTHS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 42 | | .28 27 | | | | | | | | | | | PRECIP |
| | | | | | | | | | | | | | DAYS |
| 43 | .90 29 | | | | | | | | | | | | PRECIP |
| | | | | | | | | | | | | | DAYS |
| 46 | | .02 14 | | | | | | | | | .34 15 | | PRECIP |
| | | | | | | | | | | | | | DAYS |
| 51 | | | | .18 14 | | | | | | | | | PRECIP |
| | | | | | | | | | | | | | DAYS |
| 66 | | | | | | | | .58 30 | | | | | PRECIP |
| | | | | | | | | | | | | | DAYS |
| 67 | | | | | | | | .25 30 | | | | | PRECIP |
| | | | | | | | | | | | | | DAYS |
| 68 | | | | | .01 11 | | | | | | | | PRECIP |
| | | | | | | | | | | | | | DAYS |
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| | | | | | | | | | | | | | |
| MEAN | | | | | | | | | | | | | |
| S. D. | | | | | | | | | | | | | |
| TOTAL OBS. | | | | | | | | | | | | | |

1210 WS FORM JUL 61 C-38-5 (Det 50)

DATA PROCESSING BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOWFALL
(FROM DAILY OBSERVATIONS)

23111 — STATION
LUKE AFB ARIZONA/PHOENIX — STATION NAME
46 51-72 — YEARS

| | AMOUNTS (INCHES) | | | | | | | | | | | | | PERCENT OF DAYS WITH MEASURABLE AMTS | TOTAL NO. OF OBS. | MONTHLY AMOUNTS (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-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 | .1 | | | | | | | | | | | | | 682 | TRACE | TRACE | .0 |
| FEB | 99.8 | .2 | | | | | | | | | | | | | 594 | TRACE | TRACE | .0 |
| MAR | 100.0 | | | | | | | | | | | | | | 651 | .0 | .0 | .0 |
| APR | 100.0 | | | | | | | | | | | | | | 660 | .0 | .0 | .0 |
| MAY | 100.0 | | | | | | | | | | | | | | 682 | .0 | .0 | .0 |
| JUN | 100.0 | | | | | | | | | | | | | | 690 | .0 | .0 | .0 |
| JUL | 100.0 | | | | | | | | | | | | | | 713 | .0 | .0 | .0 |
| AUG | 100.0 | | | | | | | | | | | | | | 620 | .0 | .0 | .0 |
| SEP | 100.0 | | | | | | | | | | | | | | 660 | .0 | .0 | .0 |
| OCT | 100.0 | | | | | | | | | | | | | | 682 | .0 | .0 | .0 |
| NOV | 100.0 | | | | | | | | | | | | | | 630 | .0 | .0 | .0 |
| DEC | 99.4 | .6 | | | | | | | | | | | | | 651 | TRACE | TRACE | .0 |
| ANNUAL | 99.9 | .1 | | | | | | | | | | | | | 7915 | .0 | | |

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 46, 51-72 (YEARS)

## 24 HOUR AMOUNTS IN INCHES

| YEAR \ MONTH | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ALL MONTHS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46 | .0 | | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | | | |
| 51 | | | | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | |
| 52 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 53 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 54 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 55 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 56 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 57 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 58 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 59 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 60 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 61 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 62 | 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 | .0 |
| 64 | .0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE |
| 65 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 66 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | | .0 | .0 | .0 | .0 | |
| 67 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | | .0 | .0 | .0 | TRACE | |
| 68 | .0 | .0 | .0 | .0 | | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | |
| 69 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 70 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 71 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 72 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | | | | | | |
| MEAN | TRACE | TRACE | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | TRACE | .00 |
| S. D. | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| TOTAL OBS. | 682 | 594 | 651 | 660 | 682 | 690 | 712 | 620 | 660 | 682 | 630 | 651 | 7915 |

1210 WS FORM JUL 64 0-88-5 (Det 50)

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

23111 LUKE AFB ARIZONA/PHOENIX 46, 51-72
STATION STATION NAME YEARS

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

| MONTH / YEAR | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG | SEP. | OCT. | NOV. | DEC. | ALL MONTHS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 41 | | | | | | | | | | | | 0 | SNOFALL DAYS |
| 42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | SNOFALL DAYS |
| 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | SNOFALL DAYS |
| 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | SNOFALL DAYS |
| 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | SNOFALL DAYS |
| 46 | | 14.0 | | | | | | | | | 15.0 | | SNOFALL DAYS |
| 51 | | | | 14.0 | | | | | | | | | SNOFALL DAYS |
| 66 | | | | | | | | 30.0 | | | | | SNOFALL DAYS |
| 67 | | | | | | | | 30.0 | | | | | SNOFALL DAYS |
| 68 | | | | | 11.0 | | | | | | | | SNOFALL DAYS |
| | | | | | | | | | | | | | |
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| MEAN | | | | | | | | | | | | | |
| S. D. | | | | | | | | | | | | | |
| TOTAL OBS. | | | | | | | | | | | | | |

1210 WS FORM JUL 64 0-88-5 (Det 50)

1 DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOW DEPTH
(FROM DAILY OBSERVATIONS)

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 41-46; 51-72 YEARS

| | AMOUNTS (INCHES) | | | | | | | | | | | | | PERCENT OF DAYS WITH MEASURABLE AMTS | TOTAL NO. OF OBS. | MONTHLY AMOUNTS (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-DEPTH | NONE | TRACE | 1 | 2 | 3 | 4-6 | 7-12 | 13-24 | 25-36 | 37-48 | 49-60 | 61-120 | OVER 120 | | | | | |
| JAN | 100.0 | | | | | | | | | | | | | | 806 | | | |
| FEB | 100.0 | | | | | | | | | | | | | | 707 | | | |
| MAR | 100.0 | | | | | | | | | | | | | | 775 | | | |
| APR | 100.0 | | | | | | | | | | | | | | 780 | | | |
| MAY | 100.0 | | | | | | | | | | | | | | 806 | | | |
| JUN | 100.0 | | | | | | | | | | | | | | 810 | | | |
| JUL | 100.0 | | | | | | | | | | | | | | 837 | | | |
| AUG | 100.0 | | | | | | | | | | | | | | 744 | | | |
| SEP | 100.0 | | | | | | | | | | | | | | 780 | | | |
| OCT | 100.0 | | | | | | | | | | | | | | 806 | | | |
| NOV | 100.0 | | | | | | | | | | | | | | 750 | | | |
| DEC | 100.0 | | | | | | | | | | | | | | 806 | | | |
| ANNUAL | 100.0 | | | | | | | | | | | | | | 9001 | | | |

1210 WS FORM JUL 64 0 15-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

23111 LUKE AFB ARIZONA/PHOENIX 41-46, 51-72
STATION STATION NAME YEARS

## DAILY SNOW DEPTH IN INCHES

| YEAR \ MONTH | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ALL MONTHS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 41 | | | | | | | | | | | | 0 | |
| 42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 46 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 51 | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 55 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 56 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 58 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 59 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 61 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 62 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 63 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 64 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 66 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | |
| 67 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | |
| 68 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 69 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 71 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 72 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| | | | | | | | | | | | | | |
| MEAN | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| S. D. | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| TOTAL OBS. | 806 | 707 | 772 | 780 | 806 | 810 | 837 | 744 | 780 | 806 | 750 | 806 | 9407 |

1210 WS FORM JUL 64 0-88-5 (Det 50)

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

23111 LUKE AFB ARIZONA/PHOENIX 41-46, 51-72
STATION STATION NAME YEARS

DAILY SNOW DEPTH IN INCHES
/BASED ON LESS THAN FULL MONTHS/

| MONTH / YEAR | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ALL MONTHS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46 | | 0<br>14 | | | | | | | | | 0<br>15 | | SNO DPTH<br>DAYS |
| 51 | | | | 0<br>14 | | | | | | | | | SNO DPTH<br>DAYS |
| 66 | | | | | | | | 0<br>30 | | | | | SNO DPTH<br>DAYS |
| 67 | | | | | | | | 0<br>30 | | | | | SNO DPTH<br>DAYS |
| 68 | | | | | 0<br>11 | | | | | | | | SNO DPTH<br>DAYS |
| | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | |
| MEAN | | | | | | | | | | | | | |
| S. D. | | | | | | | | | | | | | |
| TOTAL OBS. | | | | | | | | | | | | | |

1210 WS FORM JUL 64 0-88-5 (Det 50)

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

# 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 ~~January 1968~~ JULY 1968. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

   NOTE: According to Circular N specifications, "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 direction and speed, and in addition the mean wind speed 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 VARBL.

   a. Three tables are prepared for all surface winds included, and for all years combined as follows:

      (1) Annual - all hours combined

      (2) By month - all hours combined

      (3) By month - by standard 3-hour groups

   b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: 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.

1

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

03111 LUKE AFB ARIZONA/PHOENIX 46, 59-72
STATION STATION NAME YEARS

## DAILY PEAK GUSTS IN KNOTS

| MONTH / YEAR | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ALL MONTHS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46 | NNE 30 | | | SE 28 | SW 35 | | | | | | | | |
| 59 | | SW 40 | NW 32 | N 30 | NSW 30 | S 39 | NNE 69 | SW 35 | S 48 | NNE 30 | NE 30 | SSW 34 | |
| 60 | NW 28 | WSW 32 | N 30 | SW 36 | SW 30 | W 36 | S 38 | SE 60 | E 30 | S 38 | | SW 29 | |
| 61 | NNE 25 | | | SW 39 | | | | SE 44 | NNE 30 | W 27 | ESE 36 | | |
| 62 | NNW 28 | SW 39 | SSW 35 | | SW 27 | ENE 31 | SSE 40 | | | SW 24 | W 25 | SW 28 | |
| 63 | NNE 35 | WNW 30 | W 38 | W 37 | SSW 28 | SW 28 | SW 29 | | SE 45 | | NNW 28 | NNE 25 | |
| 64 | N 32 | NW 32 | SW 31 | SSW 30 | WNW 32 | SSW 34 | NNW 42 | NW 42 | SE 29 | E 25 | SW 26 | NNE 26 | NNW 42 |
| 65 | WSW 34 | WNW 37 | WSW 31 | W 34 | SW 31 | WSW 34 | E 32 | SSE 32 | SE 34 | ENE 25 | W 25 | S 23 | WNW 37 |
| 66 | N 33 | NNE 29 | W 37 | SW 38 | SW 32 | SSW 32 | S 33 | N 30 | WSW 28 | W 30 | SSW 36 | W 31 | N 50 |
| 67 | N 32 | E 29 | NW 27 | SW 35 | SE 40 | S 49 | NNE 40 | N 62 | SE 35 | SSW 40 | SW 34 | W 33 | N 62 |
| 68 | N 25 | NNE 23 | NNW 31 | W 29 | | WSW 35 | 36/ 52 | 32/ 38 | 21/ 33 | 29/ 33 | 30/ 33 | 28/ 41 | |
| 69 | 30/ 22 | 21/ 37 | 31/ 49 | 21/ 33 | 34/ 37 | 23/ 31 | 7/ 41 | 3/ 46 | 03/ 45 | 22/ 29 | 30/ 30 | 30/ 27 | 31/ 49 |
| 70 | 3/ 29 | 30/ 29 | 20/ 33 | 25/ 37 | 2/ 27 | 20/ 30 | 7/ 37 | 4/ 49 | | 30/ 32 | 27/ 24 | 13/ 18 | |
| 71 | 28/ 26 | 02/ 38 | | | 5/ 33 | 24/ 24 | 24/ 40 | 35/ 39 | 13/ 33 | 16/ 30 | 3/ 21 | 22/ 26 | |
| 72 | 3/ 22 | 3/ 31 | 22/ 33 | 21/ 33 | 21/ 37 | 21/ 39 | 3/ 48 | | | | | | |
| | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| MEAN | 28,6 | 33,4 | 33,9 | 33,8 | 32,2 | 34,0 | 41,6 | 45,2 | 35,7 | 30,3 | 29,3 | 28,4 | 48,0 |
| S D | 4,254 | 5,026 | 5,632 | 3,632 | 4,065 | 6,151 | 10,276 | 9,590 | 7,591 | 4,975 | 4,735 | 5,885 | 9,460 |
| TOTAL OBS. | 429 | 366 | 364 | 388 | 400 | 384 | 400 | 338 | 329 | 367 | 357 | 362 | 4414 |

1210 WS FORM JUL 64 0-88-5 (Det 50)

1

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 46, 5972 (YEARS)

## DAILY PEAK GUSTS IN KNOTS
## /BASED ON LESS THAN 90% OBSERVATIONS FOR MONTH/

| MONTH / YEAR | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ALL MONTHS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | WINDS<br>DAYS |
| 46 | | NW 23<br>12 | | | | 0 | 0 | 0 | 0 | 0 | 0 | | WINDS<br>DAYS |
| 58 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | WINDS<br>DAYS |
| 59 | WNW 31<br>24 | | | | | | | | | | | | WINDS<br>DAYS |
| 60 | | | | | | | | | | | WSW 34<br>24 | | WINDS<br>DAYS |
| 61 | | 0 | W 31<br>18 | | W 46<br>26 | N 46<br>21 | E 40<br>26 | | | | | SSW 19<br>27 | WINDS<br>DAYS |
| 62 | | | | SW 34<br>26 | | | | SW 33<br>25 | NNE 30<br>26 | | | | WINDS<br>DAYS |
| 63 | | | | | | | | ESE 49<br>25 | | WNW 32<br>27 | | | WINDS<br>DAYS |
| 68 | | | | | WSW 30<br>11 | | | | | | | | WINDS<br>DAYS |
| 70 | | | | | | | | | 13/ 36<br>22 | | | | WINDS<br>DAYS |
| 71 | | | 32/ 32<br>23 | 27/ 32<br>18 | | | | | | | | | WINDS<br>DAYS |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| MEAN | | | | | | | | | | | | | |
| S. D. | | | | | | | | | | | | | |
| TOTAL OBS. | | | | | | | | | | | | | |

1210 WS FORM JUL 64 0-88-5 (Det 50)

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 41-46,51-72 (YEARS) ALL (MONTH)

ALL WEATHER (CLASS) ALL (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 | 4.3 | 7.0 | 2.1 | .3 | .1 | .0 | .0 | .0 | | | | 13.7 | 4.9 |
| NNE | 1.5 | 1.8 | .7 | .3 | .1 | .0 | .0 | | | | | 4.4 | 5.6 |
| NE | 2.0 | 1.7 | .6 | .2 | .0 | .0 | .0 | .0 | | | | 4.5 | 4.7 |
| ENE | .8 | .9 | .3 | .1 | .0 | .0 | .0 | .0 | | | | 2.2 | 4.8 |
| E | 1.7 | 1.6 | .7 | .2 | .0 | .0 | .0 | | | | | 4.2 | 4.8 |
| ESE | .7 | .8 | .4 | .1 | .0 | .0 | .0 | | | | | 2.1 | 5.3 |
| SE | 1.3 | 1.3 | .6 | .1 | .0 | .0 | .0 | | | | | 3.3 | 4.9 |
| SSE | .7 | .9 | .4 | .1 | .0 | .0 | | .0 | | | | 2.1 | 4.9 |
| S | 1.9 | 2.7 | 1.6 | .4 | .0 | .0 | .0 | | | | | 6.6 | 5.6 |
| SSW | 1.0 | 2.2 | 2.6 | 1.3 | .1 | .0 | .0 | .0 | | | | 7.3 | 7.6 |
| SW | 1.8 | 3.1 | 3.8 | 1.9 | .3 | .0 | .0 | | | | | 10.9 | 7.7 |
| WSW | .7 | 1.2 | 1.4 | .8 | .1 | .0 | .0 | .0 | | | | 4.2 | 7.8 |
| W | .9 | 1.3 | .7 | .3 | .1 | .0 | | | | | | 3.3 | 6.1 |
| WNW | .5 | .6 | .3 | .2 | .0 | .0 | .0 | .0 | | | | 1.6 | 6.3 |
| NW | .2 | 1.4 | .6 | .2 | .0 | .0 | .0 | | | | | 3.5 | 5.3 |
| NNW | 1.4 | 2.5 | .9 | .1 | .0 | .0 | .0 | | | | | 4.9 | 5.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 21.1 | |
| | 22.6 | 31.0 | 17.4 | 6.6 | 1.0 | .2 | .0 | .0 | | | | 100.0 | 4.6 |

TOTAL NUMBER OF OBSERVATIONS 227457

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,52-72 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) ALL (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 | 6,3 | 11,9 | 3,1 | ,4 | ,1 | ,0 | | | | | | 22,0 | 4,9 |
| NNE | 2,2 | 2,7 | 1,0 | ,8 | ,2 | ,1 | | | | | | 7,0 | 6,2 |
| NE | 2,3 | 1,9 | ,8 | ,2 | ,0 | | | | | | | 5,2 | 4,8 |
| ENE | ,9 | ,8 | ,2 | ,1 | ,0 | | | | | | | 2,1 | 4,5 |
| E | 1,8 | 1,3 | ,6 | ,1 | ,0 | | | | | | | 3,7 | 4,5 |
| ESE | ,9 | ,7 | ,2 | ,0 | | | | | | | | 1,8 | 4,1 |
| SE | 1,5 | ,9 | ,1 | ,0 | ,0 | | | | | | | 2,6 | 3,7 |
| SSE | 1,0 | ,7 | ,1 | ,0 | | | | | | | | 1,7 | 3,6 |
| S | 1,8 | 1,8 | ,4 | ,1 | ,0 | | | | | | | 4,2 | 4,3 |
| SSW | ,9 | 1,2 | ,5 | ,2 | ,0 | | | | | | | 2,9 | 5,5 |
| SW | 1,2 | 1,3 | ,6 | ,4 | ,1 | ,0 | | | | | | 3,6 | 5,8 |
| WSW | ,4 | ,4 | ,2 | ,2 | ,0 | ,0 | | | | | | 1,3 | 6,2 |
| W | ,6 | ,6 | ,3 | ,2 | ,1 | | | | | | | 1,8 | 6,2 |
| WNW | ,6 | ,5 | ,2 | ,2 | ,0 | ,0 | | | | | | 1,5 | 5,7 |
| NW | 1,8 | 1,7 | ,6 | ,2 | ,0 | ,0 | | | | | | 4,3 | 4,9 |
| NNW | 2,4 | 4,1 | 1,2 | ,1 | ,0 | | | | | | | 7,9 | 4,8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 26,6 | |
| | 26,7 | 32,4 | 10,2 | 3,4 | ,6 | ,2 | | | | | | 100,0 | 3,7 |

TOTAL NUMBER OF OBSERVATIONS 19198

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,52-72 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) ALL (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 | 5.4 | 11.0 | 3.3 | .5 | .1 | .0 | .0 | | | | | 20.4 | 5.1 |
| NNE | 1.7 | 2.4 | .9 | .4 | .1 | .0 | .0 | | | | | 5.5 | 5.8 |
| NE | 2.0 | 1.9 | .6 | .2 | .0 | | | | | | | 4.9 | 4.8 |
| ENE | .8 | 1.0 | .3 | .1 | .0 | | | | | | | 2.2 | 5.1 |
| E | 1.5 | 1.5 | .6 | .1 | .0 | | | | | | | 3.7 | 4.7 |
| ESE | .8 | .9 | .2 | .0 | | | | | | | | 2.0 | 4.4 |
| SE | 1.3 | 1.1 | .2 | .0 | | | | | | | | 2.6 | 4.0 |
| SSE | .8 | .7 | .2 | .0 | | | | | | | | 1.8 | 4.2 |
| S | 2.1 | 2.7 | 1.1 | .3 | .0 | | | | | | | 6.2 | 5.1 |
| SSW | 1.0 | 1.9 | 1.2 | .6 | .1 | .0 | | | | | | 4.8 | 6.6 |
| SW | 1.2 | 2.1 | 1.7 | .9 | .1 | .1 | | | | | | 6.0 | 7.1 |
| WSW | .5 | .8 | .8 | .5 | .1 | .0 | | | | | | 2.7 | 7.5 |
| W | .8 | .8 | .6 | .4 | .1 | .1 | | | | | | 2.9 | 7.3 |
| WNW | .5 | .6 | .3 | .4 | .1 | .0 | .0 | | | | | 1.9 | 7.9 |
| NW | 1.3 | 1.7 | .8 | .3 | .1 | .0 | | | | | | 4.3 | 5.8 |
| NNW | 2.0 | 3.9 | 1.5 | .2 | .0 | .0 | | | | | | 7.6 | 5.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 20.5 | |
| | 23.6 | 35.0 | 14.4 | 5.1 | 1.0 | .3 | .0 | | | | | 100.0 | 4.4 |

TOTAL NUMBER OF OBSERVATIONS 17095

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-45,52-72 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) ALL (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 | 4.0 | 8.6 | 2.7 | .5 | .1 | .0 | | | | | | 15.9 | 5.2 |
| NNE | 1.5 | 2.3 | .7 | .5 | .1 | .0 | | | | | | 5.1 | 5.8 |
| NE | 1.9 | 1.8 | .6 | .2 | .0 | | .0 | | | | | 4.4 | 4.7 |
| ENE | .9 | 1.0 | .3 | .1 | | | | | | | | 2.3 | 4.6 |
| E | 1.6 | 1.7 | .5 | .1 | .0 | | | | | | | 3.9 | 4.6 |
| ESE | .6 | 1.2 | .3 | .0 | | | | | | | | 2.1 | 4.7 |
| SE | 1.2 | 1.5 | .3 | .0 | | | | | | | | 3.0 | 4.3 |
| SSE | .7 | 1.1 | .2 | .0 | .0 | | | | | | | 2.1 | 4.6 |
| S | 1.9 | 3.3 | 2.1 | .6 | .0 | .0 | | | | | | 8.0 | 5.9 |
| SSW | 1.0 | 2.4 | 2.4 | 1.3 | .2 | .1 | | | | | | 7.3 | 7.7 |
| SW | 1.2 | 2.8 | 3.0 | 2.0 | .3 | .0 | .0 | | | | | 9.4 | 8.1 |
| WSW | .6 | 1.0 | 1.1 | .7 | .3 | .0 | .0 | | | | | 3.8 | 8.4 |
| W | .6 | 1.1 | .8 | .6 | .2 | .0 | | | | | | 3.3 | 7.6 |
| WNW | .5 | .6 | .4 | .5 | .2 | .1 | .0 | .0 | | | | 2.3 | 8.7 |
| NW | 1.3 | 1.8 | .9 | .5 | .1 | .0 | .0 | | | | | 4.7 | 6.3 |
| NNW | 1.4 | 3.2 | 1.3 | .2 | .0 | | | | | | | 6.2 | 5.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 16.2 | |
| | 20.9 | 35.6 | 17.7 | 7.8 | 1.6 | .3 | .0 | .0 | | | | 100.0 | 5.1 |

TOTAL NUMBER OF OBSERVATIONS 18500

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) | LUKE AFB ARIZONA/PHOENIX (STATION NAME) | 42-46,51-72 (YEARS) | APR (MONTH)

ALL WEATHER (CLASS) | ALL (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 | 3.3 | 5.8 | 1.5 | .2 | .0 | | | | | | | 10.9 | 4.8 |
| NNE | 1.2 | 1.7 | .5 | .3 | .1 | .0 | | | | | | 3.8 | 5.4 |
| NE | 1.5 | 1.5 | .5 | .1 | .0 | .0 | | | | | | 3.7 | 4.6 |
| ENE | .7 | .8 | .3 | .1 | | | | | | | | 1.8 | 4.6 |
| E | 1.6 | 1.6 | .5 | .1 | .0 | | | | | | | 3.9 | 4.6 |
| ESE | .6 | .8 | .4 | .1 | .0 | | | | | | | 1.9 | 5.1 |
| SE | 1.2 | 1.4 | .6 | .1 | .0 | .0 | | | | | | 3.3 | 4.8 |
| SSE | .6 | 1.1 | .4 | .1 | .0 | | | | | | | 2.2 | 5.0 |
| S | 1.6 | 3.2 | 2.2 | .9 | .1 | .0 | | | | | | 8.1 | 6.5 |
| SSW | 1.0 | 2.6 | 3.8 | 2.2 | .4 | .1 | | .0 | | | | 10.3 | 8.5 |
| SW | 1.5 | 3.9 | 5.0 | 3.2 | .7 | .2 | .0 | | | | | 14.4 | 8.8 |
| WSW | .6 | 1.6 | 1.7 | 1.4 | .4 | .1 | .0 | | | | | 5.8 | 9.1 |
| W | .8 | 1.3 | .9 | .6 | .1 | .0 | | | | | | 3.8 | 7.0 |
| WNW | .5 | .7 | .5 | .4 | .1 | .0 | | | | | | 2.3 | 7.4 |
| NW | 1.0 | 1.3 | .8 | .3 | .0 | .0 | | | | | | 3.4 | 5.8 |
| NNW | 1.1 | 2.2 | .8 | .1 | .0 | | | | | | | 4.2 | 5.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 16.3 | |
| | 19.1 | 31.6 | 20.4 | 10.1 | 2.0 | .5 | .0 | .0 | | | | 100.0 | 5.6 |

TOTAL NUMBER OF OBSERVATIONS 18920

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) ALL (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 | 2.5 | 3.7 | 1.2 | .1 | .0 | .0 | | | | | | 7.6 | 4.8 |
| NNE | 1.2 | 1.2 | .3 | .2 | .0 | .0 | | | | | | 2.9 | 5.1 |
| NE | 1.7 | 1.4 | .4 | .1 | .0 | | | | | | | 3.6 | 4.5 |
| ENE | .8 | .9 | .3 | .1 | .0 | | | | | | | 2.1 | 4.9 |
| E | 1.5 | 1.4 | .5 | .1 | .0 | | | | | | | 3.5 | 4.7 |
| ESE | .6 | .7 | .4 | .1 | .0 | | .0 | | | | | 1.9 | 5.5 |
| SE | 1.2 | 1.4 | .6 | .1 | .0 | | | | | | | 3.3 | 5.0 |
| SSE | .7 | .9 | .4 | .1 | .0 | .0 | | | | | | 2.0 | 5.1 |
| S | 2.0 | 3.2 | 2.3 | .6 | .1 | | | | | | | 8.2 | 6.0 |
| SSW | 1.3 | 3.1 | 4.8 | 2.3 | .3 | .0 | .0 | | | | | 11.7 | 8.1 |
| SW | 2.1 | 5.0 | 7.5 | 4.2 | .8 | .1 | | | | | | 19.6 | 8.4 |
| WSW | .8 | 2.0 | 2.8 | 2.0 | .3 | .0 | .0 | .0 | | | | 7.9 | 8.8 |
| W | 1.0 | 2.0 | 1.2 | .4 | .1 | .0 | | | | | | 4.7 | 6.3 |
| WNW | .4 | .6 | .4 | .2 | .0 | | | | | | | 1.6 | 6.4 |
| NW | 1.0 | .9 | .5 | .2 | .0 | .0 | | | | | | 2.7 | 5.7 |
| NNW | .8 | 1.2 | .5 | .1 | .0 | | | | | | | 2.5 | 5.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 14.1 | |
| | 19.5 | 29.5 | 24.2 | 10.7 | 1.7 | .2 | .0 | .0 | | | | 100.0 | 5.8 |

TOTAL NUMBER OF OBSERVATIONS 19968

USAFETAC FORM 0-8-5 (OL-A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) JUN (MONTH)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 5 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | 2.4 | 2.6 | .6 | .1 | .0 | .0 | | | | | | 5.7 | 4.4 |
| NNE | .9 | 1.0 | .3 | .1 | .0 | | | | | | | 2.3 | 4.9 |
| NE | 1.6 | 1.1 | .2 | .0 | .0 | | | | | | | 3.0 | 3.7 |
| ENE | .6 | .6 | .2 | .0 | .0 | | | | | | | 1.5 | 4.5 |
| E | 1.5 | 1.2 | .3 | .1 | .0 | | | | | | | 3.1 | 4.3 |
| ESE | .6 | .7 | .3 | .1 | .0 | | | | | | | 1.7 | 5.1 |
| SE | 1.3 | 1.4 | .5 | .1 | .0 | .0 | | | | | | 3.3 | 4.7 |
| SSE | .7 | 1.1 | .5 | .1 | .0 | | | | | | | 2.4 | 5.2 |
| S | 1.9 | 3.2 | 2.4 | .6 | .0 | .0 | .0 | | | | | 8.2 | 6.1 |
| SSW | 1.2 | 3.4 | 5.1 | 2.5 | .2 | | | | | | | 12.4 | 8.0 |
| SW | 2.5 | 5.4 | 8.2 | 4.1 | .5 | .1 | | | | | | 20.8 | 8.1 |
| WSW | .9 | 2.5 | 3.2 | 1.7 | .2 | .0 | .0 | | | | | 8.4 | 8.1 |
| W | 1.1 | 2.1 | 1.5 | .5 | .0 | .0 | | | | | | 5.2 | 6.1 |
| WNW | .5 | .5 | .3 | .1 | .0 | | | | | | | 1.4 | 5.2 |
| NW | 1.0 | 1.1 | .4 | .1 | .0 | | | | | | | 2.6 | 4.7 |
| NNW | .9 | 1.0 | .3 | .1 | .0 | | .0 | | | | | 2.3 | 4.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 15.7 | |
| | 19.8 | 28.9 | 24.1 | 10.3 | 1.0 | .1 | .0 | | | | | 100.0 | 5.5 |

TOTAL NUMBER OF OBSERVATIONS 19065

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) ALL (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 | 1.7 | 2.3 | .9 | .2 | .1 | .0 | .0 | .0 | | | | 5.2 | 5.4 |
| NNE | .8 | 1.0 | .4 | .2 | .1 | .0 | .0 | | | | | 2.5 | 6.1 |
| NE | 1.8 | 1.4 | .5 | .2 | .0 | .0 | | | | | | 4.0 | 4.7 |
| ENE | .7 | .9 | .3 | .1 | .0 | .0 | | | | | | 1.9 | 5.3 |
| E | 1.3 | 1.6 | .7 | .2 | .0 | .0 | .0 | | | | | 3.9 | 5.4 |
| ESE | .6 | .8 | .6 | .2 | .0 | .0 | .0 | | | | | 2.2 | 6.2 |
| SE | 1.3 | 1.5 | 1.0 | .3 | .0 | | .0 | | | | | 4.1 | 5.7 |
| SSE | .6 | 1.1 | .7 | .2 | .0 | .0 | | .0 | | | | 2.7 | 5.8 |
| S | 1.8 | 3.6 | 2.9 | .7 | .0 | .0 | .0 | | | | | 9.1 | 6.3 |
| SSW | 1.1 | 3.0 | 4.9 | 3.1 | .2 | .0 | .0 | | | | | 12.4 | 8.5 |
| SW | 2.6 | 4.8 | 7.2 | 3.5 | .3 | .1 | .0 | | | | | 18.4 | 7.9 |
| WSW | .9 | 2.2 | 2.5 | 1.0 | .1 | .0 | | | | | | 6.7 | 7.5 |
| W | 1.2 | 2.1 | 1.2 | .3 | .0 | .0 | | | | | | 4.7 | 5.7 |
| WNW | .5 | .7 | .3 | .0 | .0 | | | | | | | 1.5 | 4.9 |
| NW | .9 | 1.1 | .5 | .1 | .0 | .0 | | | | | | 2.7 | 5.2 |
| NNW | .6 | 1.0 | .4 | .1 | .0 | | | | | | | 2.1 | 5.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 15.7 | |
| | 18.4 | 29.0 | 25.0 | 10.5 | 1.2 | .2 | .1 | .0 | | | | 100.0 | 5.[illegible] |

TOTAL NUMBER OF OBSERVATIONS 19802

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) ALL (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 | 2.4 | 3.6 | 1.2 | .2 | .1 | .0 | .0 | | | | | 7.6 | 5.1 |
| NNE | 1.0 | 1.2 | .5 | .2 | .1 | .0 | .0 | | | | | 3.0 | 5.6 |
| NE | 2.1 | 1.8 | .6 | .2 | .0 | .0 | .0 | .0 | | | | 4.8 | 4.8 |
| ENE | .7 | 1.0 | .4 | .1 | .0 | .0 | .0 | .0 | | | | 2.2 | 5.3 |
| E | 1.8 | 2.0 | .8 | .2 | .0 | .0 | .0 | | | | | 4.8 | 5.2 |
| ESE | .8 | 1.0 | .8 | .3 | .0 | .0 | | | | | | 2.9 | 6.2 |
| SE | 1.6 | 1.9 | 1.1 | .3 | .1 | .0 | .0 | | | | | 5.0 | 5.8 |
| SSE | .7 | 1.4 | .8 | .2 | .0 | .0 | | | | | | 3.1 | 5.9 |
| S | 2.5 | 3.5 | 2.3 | .6 | .1 | .0 | | | | | | 8.9 | 5.8 |
| SSW | 1.0 | 2.7 | 3.4 | 1.5 | .1 | .0 | .0 | | | | | 8.6 | 7.7 |
| SW | 2.4 | 4.6 | 5.1 | 2.0 | .2 | .0 | | | | | | 14.4 | 7.2 |
| WSW | .9 | 1.4 | 1.5 | .6 | .1 | .0 | .0 | | | | | 4.5 | 7.0 |
| W | 1.2 | 1.6 | .8 | .2 | .0 | | | | | | | 3.8 | 5.3 |
| WNW | .5 | .6 | .3 | .1 | .0 | .0 | | | | | | 1.5 | 5.6 |
| NW | 1.1 | 1.2 | .4 | .2 | .1 | .0 | | | | | | 3.0 | 5.3 |
| NNW | .8 | 1.4 | .5 | .2 | .0 | .0 | | | | | | 2.9 | 5.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 18.9 | |
| | 21.6 | 30.9 | 20.4 | 6.9 | .9 | .3 | .1 | .0 | | | | 100.0 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS 19312

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) ALL (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 | 4.2 | 6.0 | 2.0 | .3 | .0 | .0 | | | | | | 12.6 | 4.8 |
| NNE | 1.5 | 1.7 | .6 | .3 | .0 | .0 | .0 | | | | | 4.1 | 5.2 |
| NE | 2.7 | 1.8 | .5 | .2 | .0 | .0 | | | | | | 5.2 | 4.4 |
| ENE | 1.1 | 1.2 | .5 | .1 | | | | | | | | 2.8 | 4.8 |
| E | 2.3 | 2.3 | 1.1 | .3 | .0 | | | | | | | 6.0 | 5.1 |
| ESE | .7 | 1.1 | .9 | .3 | .0 | .0 | | | | | | 3.1 | 6.3 |
| SE | 1.6 | 1.6 | .9 | .3 | .1 | .0 | .0 | | | | | 4.4 | 5.6 |
| SSE | .6 | 1.0 | .5 | .1 | .0 | .0 | | | | | | 2.3 | 5.5 |
| S | 1.9 | 2.2 | 1.3 | .2 | .0 | .0 | | | | | | 5.6 | 5.2 |
| SSW | .9 | 1.9 | 1.9 | .7 | .0 | .0 | | | | | | 5.4 | 6.9 |
| SW | 2.0 | 3.1 | 3.0 | 1.1 | .2 | .0 | | | | | | 9.3 | 6.9 |
| WSW | .8 | .9 | 1.1 | .5 | .0 | .0 | | | | | | 3.3 | 6.9 |
| W | 1.1 | 1.5 | .7 | .1 | .0 | | | | | | | 3.4 | 5.3 |
| WNW | .5 | .6 | .2 | .0 | .0 | | | | | | | 1.3 | 4.7 |
| NW | 1.3 | 1.3 | .4 | .1 | .0 | .0 | .0 | | | | | 3.1 | 4.7 |
| NNW | 1.2 | 2.2 | .7 | .0 | .0 | .0 | | | | | | 4.1 | 5.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 23.8 | |
| | 24.1 | 30.4 | 16.4 | 4.6 | .6 | .1 | .0 | | | | | 100.0 | 4.2 |

TOTAL NUMBER OF OBSERVATIONS 18688

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) ALL (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 | 5.5 | 8.4 | 3.0 | .4 | .1 | .0 | .0 | | | | | 17.3 | 5.0 |
| NNE | 2.1 | 2.1 | .9 | .2 | .1 | .0 | | | | | | 5.4 | 5.1 |
| NE | 2.5 | 2.0 | .9 | .2 | .0 | | | | | | | 5.6 | 4.7 |
| ENE | 1.0 | .9 | .5 | .1 | .0 | | | | | | | 2.5 | 4.8 |
| E | 2.1 | 2.2 | 1.2 | .3 | .0 | | | | | | | 5.8 | 5.1 |
| ESE | .9 | .9 | .6 | .1 | .0 | | | | | | | 2.6 | 5.3 |
| SE | 1.3 | 1.4 | .7 | .1 | | | | | | | | 3.5 | 4.9 |
| SSE | .6 | .7 | .3 | .0 | | | | | | | | 1.6 | 4.8 |
| S | 1.8 | 1.9 | .8 | .1 | .0 | | | | | | | 4.6 | 4.7 |
| SSW | .9 | 1.6 | 1.2 | .4 | .0 | | | | | | | 4.1 | 6.3 |
| SW | 1.4 | 2.1 | 1.7 | .6 | .1 | .0 | | | | | | 5.9 | 6.5 |
| WSW | .6 | .9 | .7 | .3 | .0 | .0 | | | | | | 2.4 | 6.5 |
| W | .9 | 1.0 | .4 | .1 | .0 | .0 | | | | | | 2.5 | 5.2 |
| WNW | .4 | .6 | .1 | .1 | .0 | .0 | | | | | | 1.3 | 5.5 |
| NW | 1.3 | 1.4 | .3 | .1 | .0 | .0 | | | | | | 3.2 | 4.8 |
| NNW | 1.6 | 2.7 | .8 | .1 | .0 | | | | | | | 5.2 | 4.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 26.4 | |
| | 24.8 | 30.5 | 14.3 | 3.3 | .4 | .1 | .0 | | | | | 100.0 | 3.8 |

TOTAL NUMBER OF OBSERVATIONS 19310

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) ALL (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 | 6.8 | 10.2 | 2.8 | .4 | .1 | .0 | .0 | | | | | 20.3 | 4.8 |
| NNE | 2.0 | 2.3 | 1.2 | .5 | .1 | | | | | | | 6.0 | 5.7 |
| NE | 2.0 | 1.8 | .7 | .3 | .0 | .0 | | | | | | 4.9 | 5.0 |
| ENE | .9 | 1.0 | .4 | .2 | .0 | | | | | | | 2.5 | 5.0 |
| E | 1.9 | 1.7 | .7 | .2 | .0 | .0 | | | | | | 4.5 | 4.9 |
| ESE | .8 | .8 | .3 | .0 | | | | | | | | 1.9 | 4.5 |
| SE | 1.3 | .9 | .3 | .0 | | | | | | | | 2.5 | 4.2 |
| SSE | .8 | .6 | .1 | .0 | | | | | | | | 1.6 | 3.8 |
| S | 2.2 | 1.8 | .6 | .1 | .0 | | | | | | | 4.6 | 4.2 |
| SSW | .9 | 1.3 | .8 | .3 | .0 | | | | | | | 3.3 | 5.8 |
| SW | 1.4 | 1.1 | 1.0 | .4 | .0 | | | | | | | 4.0 | 5.9 |
| WSW | .5 | .5 | .4 | .2 | .0 | | | | | | | 1.5 | 6.1 |
| W | .8 | .6 | .3 | .2 | .1 | .0 | | | | | | 1.9 | 5.7 |
| WNW | .4 | .4 | .1 | .2 | .0 | .0 | | | | | | 1.2 | 5.9 |
| NW | 1.5 | 1.4 | .5 | .2 | .0 | .0 | | | | | | 3.6 | 4.9 |
| NNW | 2.1 | 3.5 | 1.2 | .1 | .0 | | | | | | | 6.9 | 4.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 28.8 | |
| | 26.3 | 29.7 | 11.4 | 3.3 | .5 | .1 | .0 | | | | | 100.0 | 3.6 |

TOTAL NUMBER OF OBSERVATIONS 18322

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 41-45,51-71 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) ALL (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 | 7.1 | 10.6 | 2.6 | .2 | .0 | | | | | | | 20.3 | 4.6 |
| NNE | 2.3 | 2.1 | .9 | .5 | .1 | .0 | | | | | | 6.0 | 5.3 |
| NE | 2.2 | 1.9 | .8 | .2 | .0 | .0 | | | | | | 5.1 | 4.7 |
| ENE | .9 | .8 | .3 | .1 | .0 | | | | | | | 2.1 | 4.5 |
| E | 1.7 | 1.3 | .5 | .1 | | | | | | | | 3.6 | 4.5 |
| ESE | .8 | .6 | .2 | .0 | | | | | | | | 1.6 | 4.0 |
| SE | 1.0 | .8 | .2 | .0 | | | | | | | | 2.0 | 3.9 |
| SSE | .8 | .5 | .1 | .0 | | .0 | | | | | | 1.5 | 3.8 |
| S | 1.6 | 1.7 | .5 | .1 | .0 | | | | | | | 3.9 | 4.5 |
| SSW | 1.2 | 1.0 | .6 | .3 | .0 | | | | | | | 3.2 | 5.6 |
| SW | 1.3 | 1.1 | .8 | .3 | .1 | .0 | | | | | | 3.6 | 6.1 |
| WSW | .4 | .4 | .3 | .2 | .0 | .0 | | | | | | 1.4 | 6.2 |
| W | .8 | .6 | .2 | .2 | .0 | | | | | | | 1.8 | 5.3 |
| WNW | .5 | .4 | .2 | .2 | .0 | .0 | | | | | | 1.3 | 6.0 |
| NW | 2.0 | 1.5 | .5 | .2 | .1 | .0 | | | | | | 4.4 | 4.6 |
| NNW | 2.2 | 3.8 | 1.2 | .2 | .0 | | | | | | | 7.3 | 4.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 30.7 | |
| | 26.8 | 29.3 | 9.9 | 2.7 | .5 | .1 | | | | | | 100.0 | 3.3 |

TOTAL NUMBER OF OBSERVATIONS 19287

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,52-72 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 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 | 8.2 | 22.7 | 6.2 | .4 | .0 | | | | | | | 37.6 | 5.0 |
| NNE | 3.2 | 5.1 | 1.5 | 1.0 | .3 | .0 | | | | | | 11.2 | 5.8 |
| NE | 2.2 | 2.0 | .7 | | | | | | | | | 4.9 | 4.3 |
| ENE | .5 | .3 | | | | | | | | | | .7 | 2.6 |
| E | .7 | .3 | .1 | | | | | | | | | 1.0 | 3.4 |
| ESE | .3 | .3 | .0 | | | | | | | | | .6 | 4.3 |
| SE | .4 | .2 | | | | | | | | | | .6 | 3.4 |
| SSE | .2 | .1 | .1 | | | | | | | | | .4 | 4.1 |
| S | .5 | .3 | .1 | .1 | | | | | | | | 1.0 | 5.0 |
| SSW | .5 | .4 | .2 | .1 | | | | | | | | 1.1 | 5.3 |
| SW | .5 | .6 | .2 | .0 | .1 | .0 | | | | | | 1.5 | 6.2 |
| WSW | .2 | .2 | | .2 | .0 | | | | | | | .6 | 7.4 |
| W | .5 | .3 | .1 | .2 | .0 | | | | | | | 1.1 | 5.7 |
| WNW | .4 | .4 | .2 | .0 | | | | | | | | 1.0 | 4.6 |
| NW | 1.9 | 2.1 | .8 | .1 | .0 | | | | | | | 4.9 | 4.9 |
| NNW | 3.1 | 5.8 | 2.0 | .1 | | | | | | | | 10.9 | 5.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 20.7 | |
| | 23.2 | 41.0 | 12.2 | 2.3 | .5 | .1 | | | | | | 100.0 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 2395

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,52-72 (YEARS) JAN (MONTH)

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 | 10.8 | 19.8 | 4.6 | .3 | .2 | .0 | | | | | | 35.8 | 4.8 |
| NNE | 3.1 | 4.5 | 1.3 | .5 | .3 | .1 | | | | | | 9.9 | 5.7 |
| NE | 3.1 | 2.3 | .6 | .1 | .0 | | | | | | | 6.1 | 4.1 |
| ENE | 1.0 | .6 | .1 | .0 | | | | | | | | 1.7 | 3.7 |
| E | .6 | .3 | .0 | .0 | | | | | | | | 1.0 | 3.9 |
| ESE | .1 | .0 | .0 | | | | | | | | | .2 | 4.5 |
| SE | .4 | .1 | .0 | | | | | | | | | .5 | 3.7 |
| SSE | .3 | .2 | | | | | | | | | | .5 | 3.0 |
| S | .5 | .5 | .1 | .1 | | | | | | | | 1.2 | 4.5 |
| SSW | .4 | .4 | .1 | .1 | .0 | | | | | | | 1.0 | 5.4 |
| SW | .2 | .7 | .2 | .2 | | | | | | | | 1.3 | 6.0 |
| WSW | .2 | .2 | .0 | .2 | .0 | | | | | | | .7 | 6.9 |
| W | .3 | .2 | .2 | .0 | | | | | | | | .7 | 5.6 |
| WNW | .6 | .2 | .1 | .1 | | | | | | | | 1.0 | 4.6 |
| NW | 2.3 | 1.4 | .7 | .1 | | | | | | | | 4.5 | 4.4 |
| NNW | 3.6 | 5.2 | 2.0 | | | | | | | | | 10.8 | 4.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 23.2 | |
| | 27.3 | 36.5 | 10.4 | 1.7 | .7 | .2 | | | | | | 100.0 | 3.7 |

TOTAL NUMBER OF OBSERVATIONS 2405

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,52-72 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 0600-0800 (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 | 12.0 | 17.4 | 2.9 | .4 | .0 | | | | | | | 32.7 | 4.3 |
| NNE | 3.3 | 3.3 | 1.2 | .8 | .2 | .1 | | | | | | 8.9 | 5.6 |
| NE | 2.8 | 2.6 | .5 | .0 | | | | | | | | 5.9 | 4.1 |
| ENE | .8 | .5 | .1 | | | | | | | | | 1.4 | 3.7 |
| E | .7 | .2 | .2 | | | | | | | | | 1.5 | 4.1 |
| ESE | .2 | .3 | | | | | | | | | | .5 | 3.2 |
| SE | .2 | .3 | .0 | | | | | | | | | .6 | 4.0 |
| SSE | .1 | .2 | | | | | | | | | | .4 | 3.7 |
| S | .5 | .5 | .1 | | | | | | | | | 1.5 | 3.6 |
| SSW | .2 | .4 | .2 | .0 | | | | | | | | .9 | 5.5 |
| SW | .3 | .4 | .4 | .1 | | | | | | | | 1.2 | 6.0 |
| WSW | .2 | .0 | .1 | | | | | | | | | .3 | 4.5 |
| W | .5 | .4 | .2 | .0 | | | | | | | | 1.1 | 4.6 |
| WNW | .5 | .3 | .1 | .1 | .0 | | | | | | | 1.0 | 5.4 |
| NW | 2.5 | 1.8 | .8 | .1 | | | | | | | | 5.2 | 4.4 |
| NNW | 3.7 | 6.1 | 1.4 | .2 | | | | | | | | 11.4 | 4.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 25.6 | |
| | 28.9 | 35.0 | 8.2 | 1.9 | .2 | .1 | | | | | | 100.0 | 3.4 |

TOTAL NUMBER OF OBSERVATIONS 2406

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46, 52-72 (YEARS) JAN (MONTH)

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 | 6.4 | 7.6 | 1.6 | .5 | .0 | .1 | | | | | | 16.2 | 4.7 |
| NNE | 3.2 | 3.1 | .8 | 1.8 | .5 | .0 | | | | | | 9.5 | 5.8 |
| NE | 3.8 | 2.8 | 1.2 | .7 | .2 | | | | | | | 8.6 | 5.2 |
| ENE | 2.2 | 1.5 | .3 | .0 | | | | | | | | 4.1 | 3.8 |
| E | 3.1 | 2.0 | .5 | | | | | | | | | 5.7 | 3.8 |
| ESE | 1.4 | 1.1 | .1 | | | | | | | | | 2.6 | 3.6 |
| SE | 1.7 | .8 | .0 | .0 | | | | | | | | 2.6 | 3.3 |
| SSE | 1.0 | .3 | | | | | | | | | | 1.2 | 2.7 |
| S | .9 | .7 | .3 | .1 | | | | | | | | 1.9 | 4.5 |
| SSW | .6 | .6 | .3 | .3 | | | | | | | | 1.8 | 6.1 |
| SW | 1.1 | .5 | .4 | .3 | .0 | | | | | | | 2.3 | 5.6 |
| WSW | .3 | .1 | .1 | .2 | .0 | | | | | | | .7 | 6.9 |
| W | .5 | .3 | .1 | | .0 | | | | | | | .9 | 4.3 |
| WNW | .5 | .3 | .0 | .3 | .1 | .1 | | | | | | 1.3 | 7.8 |
| NW | 1.0 | 1.1 | .4 | .3 | .1 | .0 | | | | | | 2.9 | 6.2 |
| NNW | 1.5 | 1.9 | .3 | .0 | | | | | | | | 4.0 | 4.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 33.5 | |
| | 29.1 | 24.8 | 6.7 | 4.5 | 1.0 | .3 | | | | | | 100.0 | 3.3 |

TOTAL NUMBER OF OBSERVATIONS 2395

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,52-72 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 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 | .9 | 1.5 | .6 | .4 | .3 | .0 | | | | | | 3.8 | 7.1 |
| NNE | 1.2 | .9 | .5 | .7 | .0 | | | | | | | 3.3 | 6.3 |
| NE | 2.0 | 1.9 | 1.0 | .3 | .0 | | | | | | | 5.4 | 5.5 |
| ENE | 1.6 | 1.7 | .8 | .3 | .1 | | | | | | | 4.5 | 5.3 |
| E | 4.3 | 3.4 | 1.7 | .5 | .1 | | | | | | | 10.0 | 5.0 |
| ESE | 2.4 | 1.8 | .8 | .0 | | | | | | | | 5.1 | 4.2 |
| SE | 4.2 | 2.2 | .4 | .0 | .0 | | | | | | | 7.6 | 3.8 |
| SSE | 1.9 | 2.0 | .2 | | | | | | | | | 4.1 | 3.8 |
| S | 3.4 | 2.6 | .9 | .2 | | | | | | | | 7.1 | 4.3 |
| SSW | 1.2 | 1.3 | .7 | .3 | | | | | | | | 3.5 | 5.4 |
| SW | 3.1 | 1.8 | .9 | .8 | .0 | | | | | | | 6.6 | 5.4 |
| WSW | .5 | .7 | .1 | .5 | | | | | | | | 2.0 | 6.9 |
| W | .6 | .5 | .3 | .2 | .2 | | | | | | | 1.8 | 7.3 |
| WNW | .3 | .2 | .3 | .1 | | .0 | | | | | | 1.0 | 7.2 |
| NW | .5 | .4 | .2 | .1 | .0 | .2 | | | | | | 1.5 | 8.1 |
| NNW | .2 | .3 | .2 | .1 | | | | | | | | 1.0 | 5.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 31.7 | |
| | 28.5 | 24.1 | 9.7 | 4.9 | .6 | .3 | | | | | | 100.0 | 3.5 |

TOTAL NUMBER OF OBSERVATIONS 2403

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,52-72 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 1500-1700 (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 | 1.0 | .8 | .4 | .1 | | | | | | | 3.2 | 6.6 |
| NNE | .6 | .7 | .3 | .4 | .0 | | | | | | | 2.0 | 6.7 |
| NE | 1.2 | .9 | .6 | .2 | .1 | | | | | | | 3.1 | 5.5 |
| ENE | .6 | 1.2 | .4 | .2 | | | | | | | | 2.3 | 5.6 |
| E | 3.1 | 2.4 | 1.7 | .3 | | | | | | | | 7.5 | 5.1 |
| ESE | 1.5 | 1.3 | .6 | .1 | | | | | | | | 3.5 | 4.7 |
| SE | 3.4 | 2.0 | .3 | .1 | | | | | | | | 5.9 | 3.7 |
| SSE | 3.2 | 1.7 | .4 | .0 | | | | | | | | 5.4 | 3.5 |
| S | 5.2 | 5.8 | 1.5 | .2 | .0 | | | | | | | 12.8 | 4.4 |
| SSW | 2.0 | 3.3 | 1.7 | .7 | .1 | | | | | | | 7.8 | 5.8 |
| SW | 2.3 | 2.9 | 1.8 | 1.1 | .2 | .0 | | | | | | 8.4 | 6.6 |
| WSW | .7 | .8 | .6 | .4 | | | | | | | | 2.5 | 6.1 |
| W | .6 | 1.2 | .7 | .7 | .1 | | | | | | | 3.4 | 7.7 |
| WNW | .5 | .3 | .4 | .2 | .0 | | | | | | | 1.5 | 6.8 |
| NW | .8 | .6 | .2 | .2 | .1 | .0 | | | | | | 2.0 | 6.2 |
| NNW | .7 | .5 | .1 | .1 | .1 | | | | | | | 1.6 | 5.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 27.2 | |
| | 27.3 | 26.8 | 12.2 | 5.5 | 1.0 | .1 | | | | | | 100.0 | 3.9 |

TOTAL NUMBER OF OBSERVATIONS 2403

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,52-72 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 1800-2000 (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 | 4.1 | 5.0 | 1.3 | .5 | .1 | | | | | | | 11.0 | 4.8 |
| NNE | 1.3 | .8 | .8 | .6 | | .2 | | | | | | 3.7 | 6.9 |
| NE | 1.4 | .8 | .5 | .1 | | | | | | | | 2.9 | 4.6 |
| ENE | .4 | .5 | .2 | | | | | | | | | 1.1 | 4.3 |
| E | 1.0 | .9 | .4 | | | | | | | | | 2.2 | 4.2 |
| ESE | .4 | .3 | .1 | .0 | | | | | | | | .8 | 4.6 |
| SE | 1.0 | .8 | .1 | | | | | | | | | 1.8 | 3.8 |
| SSE | 1.0 | .6 | .0 | | | | | | | | | 1.6 | 3.3 |
| S | 2.8 | 3.0 | .4 | .1 | | | | | | | | 6.2 | 3.9 |
| SSW | 2.1 | 2.6 | .5 | .2 | .1 | | | | | | | 5.6 | 4.8 |
| SW | 1.7 | 2.9 | .7 | .4 | .1 | | | | | | | 5.8 | 5.3 |
| WSW | 1.1 | .9 | .4 | .2 | .0 | .0 | | | | | | 2.7 | 5.3 |
| W | 1.5 | 1.3 | .7 | .3 | | | | | | | | 3.8 | 3.1 |
| WNW | 1.3 | 1.8 | .4 | .2 | | | | | | | | 3.7 | 4.9 |
| NW | 3.4 | 3.1 | .5 | .0 | | | | | | | | 7.0 | 4.0 |
| NNW | 2.7 | 3.8 | .8 | .1 | .0 | | | | | | | 7.5 | 4.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 32.4 | |
| | 27.1 | 29.1 | 8.0 | 2.8 | .4 | .2 | | | | | | 100.0 | 3.2 |

TOTAL NUMBER OF OBSERVATIONS 2400

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,52-72 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 2100-2300 (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 | 7.0 | 20.5 | 6.9 | .6 | .0 | | | | | | | 35.5 | 5.2 |
| NNE | 1.9 | 2.9 | 1.2 | .9 | .2 | .2 | | | | | | 7.3 | 6.8 |
| NE | 1.6 | 1.8 | 1.1 | .1 | | | | | | | | 4.6 | 5.0 |
| ENE | .4 | .3 | | | | | | | | | | .6 | 3.5 |
| E | .6 | .3 | | .0 | | | | | | | | 1.0 | 3.7 |
| ESE | .6 | .2 | | | | | | | | | | .8 | 3.0 |
| SE | .3 | .4 | .0 | .0 | | | | | | | | .8 | 4.3 |
| SSE | | .3 | .1 | | | | | | | | | .5 | 5.8 |
| S | .7 | .8 | .2 | .2 | | | | | | | | 1.8 | 5.0 |
| SSW | .6 | .5 | .3 | .2 | .0 | | | | | | | 1.6 | 5.8 |
| SW | .6 | .6 | .2 | .2 | | | | | | | | 1.7 | 5.8 |
| WSW | .1 | .3 | .0 | .1 | | .0 | | | | | | .6 | 6.8 |
| W | .4 | .6 | .3 | .3 | .0 | | | | | | | 1.6 | 7.2 |
| WNW | .6 | .5 | .2 | .3 | | | | | | | | 1.5 | 5.4 |
| NW | 2.1 | 2.6 | 1.1 | .3 | | | | | | | | 6.1 | 5.1 |
| NNW | 3.9 | 8.9 | 2.8 | .3 | | | | | | | | 15.8 | 5.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 18.3 | |
| | 21.9 | 41.6 | 14.3 | 3.4 | .3 | .3 | | | | | | 100.0 | 4.3 |

TOTAL NUMBER OF OBSERVATIONS 2393

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

| 23111 | LUKE AFB ARIZONA/PHOENIX | 42-46,52-72 | FEB |
|---|---|---|---|
| STATION | STATION NAME | YEARS | MONTH |

ALL WEATHER
CLASS

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 | 8.1 | 21.7 | 7.6 | .3 | .1 | .1 | | | | | | 37.9 | 5.3 |
| NNE | 1.6 | 3.8 | 1.0 | .5 | .1 | .1 | .0 | | | | | 7.4 | 5.9 |
| NE | 1.7 | 2.5 | .3 | .2 | | | | | | | | 4.7 | 4.5 |
| ENE | .4 | .5 | .1 | .0 | | | | | | | | 1.0 | 4.5 |
| E | .5 | .4 | .1 | | | | | | | | | 1.0 | 3.8 |
| ESE | .2 | .1 | | | | | | | | | | .3 | 3.2 |
| SE | .3 | .4 | .0 | | | | | | | | | .7 | 3.9 |
| SSE | .3 | .3 | | | | | | | | | | .6 | 3.5 |
| S | .7 | 1.4 | .1 | .3 | | | | | | | | 2.5 | 5.6 |
| SSW | .3 | .8 | .5 | .3 | .1 | | | | | | | 2.0 | 7.1 |
| SW | .5 | .8 | .8 | .4 | .1 | | | | | | | 2.6 | 7.4 |
| WSW | .3 | .5 | .3 | .1 | .1 | | | | | | | 1.4 | 7.2 |
| W | .3 | .4 | .4 | .0 | | | | | | | | 1.1 | 6.0 |
| WNW | .4 | .4 | .4 | .0 | | | | | | | | 1.2 | 5.5 |
| NW | 1.4 | 2.3 | 1.3 | .3 | .0 | | | | | | | 5.3 | 5.8 |
| NNW | 2.9 | 6.9 | 2.5 | .4 | .1 | | | | | | | 12.7 | 5.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 17.3 | |
| | 20.0 | 43.0 | 15.4 | 3.0 | .7 | .2 | .0 | | | | | 100.0 | 4.5 |

TOTAL NUMBER OF OBSERVATIONS 2136

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,52-72 (YEARS) FEB (MONTH)

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 | 9.7 | 21.8 | 5.0 | .4 | | | | | | | | 36.9 | 4.8 |
| NNE | 2.9 | 4.7 | 1.1 | .3 | .1 | .0 | | | | | | 9.1 | 5.0 |
| NE | 3.1 | 2.7 | .5 | .1 | | | | | | | | 6.5 | 4.1 |
| ENE | .7 | .6 | .1 | .1 | | | | | | | | 1.5 | 4.5 |
| E | .6 | .5 | .1 | | | | | | | | | 1.1 | 3.9 |
| ESE | .3 | .3 | .0 | | | | | | | | | .7 | 3.9 |
| SE | .6 | .1 | | | | | | | | | | .7 | 3.1 |
| SSE | .3 | .2 | | | | | | | | | | .5 | 3.4 |
| S | .6 | .7 | .3 | .1 | | | | | | | | 1.7 | 5.2 |
| SSW | .3 | .6 | .6 | .4 | .1 | | | | | | | 2.1 | 7.3 |
| SW | .2 | .9 | .6 | .3 | | | | | | | | 2.0 | 7.0 |
| WSW | .1 | .2 | .4 | .1 | .0 | | | | | | | .8 | 8.0 |
| W | .4 | .2 | .2 | .2 | .0 | | | | | | | 1.1 | 7.1 |
| WNW | .3 | .3 | .2 | .1 | | .1 | | | | | | .9 | 8.0 |
| NW | 1.6 | 1.9 | .9 | .3 | | | | | | | | 4.6 | 5.4 |
| NNW | 2.5 | 6.0 | 2.2 | .2 | | | | | | | | 11.0 | 5.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 18.7 | |
| | 24.3 | 41.7 | 12.1 | 2.8 | .3 | .1 | | | | | | 100.0 | 4.1 |

TOTAL NUMBER OF OBSERVATIONS 2136

USAFETAC FORM 0-9-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,52-72 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 0600-0800 (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 | 9.6 | 19.7 | 4.0 | .5 | .0 | | | | | | | 33.9 | 4.6 |
| NNE | 3.0 | 3.8 | 1.0 | .4 | .1 | | .0 | | | | | 8.4 | 5.2 |
| NE | 2.4 | 2.3 | .5 | | | | | | | | | 5.1 | 4.1 |
| ENE | .7 | .7 | .2 | .1 | | | | | | | | 1.7 | 4.8 |
| E | .9 | .4 | | | | | | | | | | 1.4 | 3.2 |
| ESE | .5 | .1 | | | | | | | | | | .6 | 2.9 |
| SE | .5 | .3 | | | | | | | | | | .8 | 3.1 |
| SSE | .1 | .0 | .0 | | | | | | | | | .2 | 3.8 |
| S | .6 | 1.0 | .4 | .0 | | | | | | | | 2.0 | 5.1 |
| SSW | .3 | .7 | .7 | .4 | .0 | | | | | | | 2.1 | 7.5 |
| SW | .7 | .5 | .6 | .1 | | | | | | | | 1.9 | 5.7 |
| WSW | .1 | .4 | .2 | .4 | | | | | | | | 1.1 | 8.0 |
| W | .3 | .4 | .1 | .1 | .0 | | | | | | | 1.1 | 6.4 |
| WNW | .5 | .5 | .1 | .2 | | .0 | | | | | | 1.4 | 6.4 |
| NW | 2.0 | 2.1 | .8 | .2 | | .1 | | | | | | 5.1 | 4.9 |
| NNW | 4.0 | 5.2 | 2.0 | .2 | | | | | | | | 11.3 | 4.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 21.9 | |
| | 26.3 | 38.1 | 10.5 | 2.6 | .3 | .1 | .0 | | | | | 100.0 | 3.8 |

TOTAL NUMBER OF OBSERVATIONS 2137

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,52-72 (YEARS) FEB (MONTH)

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 | 5.0 | 4.9 | 1.8 | 1.3 | .4 | .0 | .0 | | | | | 13.4 | 5.7 |
| NNE | 2.5 | 2.9 | 1.3 | .9 | .5 | .1 | | | | | | 8.1 | 6.9 |
| NE | 3.5 | 2.7 | 1.0 | .5 | .1 | | | | | | | 7.8 | 4.8 |
| ENE | 1.7 | 2.3 | .4 | .1 | .0 | | | | | | | 4.5 | 4.3 |
| E | 3.6 | 3.2 | .7 | .1 | | | | | | | | 7.7 | 4.0 |
| ESE | 2.0 | 1.7 | .2 | | | | | | | | | 3.8 | 3.8 |
| SE | 2.5 | 1.2 | .1 | | | | | | | | | 3.8 | 3.4 |
| SSE | .9 | .4 | .1 | | | | | | | | | 1.5 | 3.3 |
| S | 1.6 | 1.4 | .5 | .1 | .0 | | | | | | | 3.7 | 4.6 |
| SSW | .7 | 1.0 | 1.0 | .3 | | | | | | | | 2.9 | 6.4 |
| SW | .9 | 1.2 | 1.0 | .7 | .1 | .0 | | | | | | 3.8 | 7.3 |
| WSW | .4 | .2 | .4 | .4 | .1 | | | | | | | 1.5 | 8.5 |
| W | .6 | .6 | .0 | .2 | | .0 | | | | | | 1.5 | 5.9 |
| WNW | .4 | .3 | .1 | .3 | | .0 | | | | | | 1.1 | 7.2 |
| NW | .9 | .7 | .5 | .3 | .1 | | | | | | | 2.4 | 6.3 |
| NNW | 1.3 | 1.9 | .7 | .2 | .0 | .1 | | | | | | 4.2 | 5.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 28.3 | |
| | 28.4 | 26.3 | 9.8 | 5.3 | 1.4 | .4 | .0 | | | | | 100.0 | 3.9 |

TOTAL NUMBER OF OBSERVATIONS 2137

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,52-72 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 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 | 1.1 | 1.6 | .8 | .6 | .1 | | | | | | | 4.3 | 6.7 |
| NNE | .6 | .5 | .7 | .5 | .0 | | | | | | | 2.3 | 7.3 |
| NE | 2.1 | 1.3 | .7 | .4 | .1 | | | | | | | 4.6 | 5.4 |
| ENE | 1.1 | 1.5 | .7 | .4 | .2 | | | | | | | 3.9 | 6.1 |
| E | 3.0 | 3.7 | 1.6 | .5 | .1 | | | | | | | 9.0 | 5.4 |
| ESE | 2.4 | 2.8 | .8 | .3 | | | | | | | | 6.3 | 4.7 |
| SE | 2.8 | 3.0 | .8 | | | | | | | | | 6.7 | 4.2 |
| SSE | 1.7 | 2.3 | .9 | .0 | | | | | | | | 4.9 | 4.5 |
| S | 3.2 | 4.2 | 1.3 | .5 | | | | | | | | 9.2 | 4.8 |
| SSW | 1.4 | 1.9 | 1.6 | .7 | | | | | | | | 5.7 | 6.3 |
| SW | 1.6 | 2.2 | 2.0 | 1.3 | .2 | .1 | | | | | | 7.4 | 7.3 |
| WSW | .8 | .9 | 1.4 | 1.0 | .3 | .0 | | | | | | 4.4 | 8.5 |
| W | 1.0 | .8 | .6 | .9 | .4 | .1 | | | | | | 3.8 | 9.0 |
| WNW | .4 | .4 | .2 | .4 | .0 | | | | | | | 1.5 | 7.7 |
| NW | .7 | .4 | .6 | .2 | .1 | .0 | | | | | | 2.1 | 7.5 |
| NNW | .6 | .5 | .5 | .2 | .0 | .0 | | | | | | 1.9 | 7.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 22.2 | |
| | 24.5 | 27.8 | 15.4 | 7.9 | 1.7 | .4 | | | | | | 100.0 | 4.7 |

TOTAL NUMBER OF OBSERVATIONS 2135

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,52-72 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 1500-1700 (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 | 1.2 | 1.2 | .7 | .2 | .1 | | | | | | | 3.4 | 5.9 |
| NNE | .3 | .4 | .5 | .2 | .0 | .0 | | | | | | 1.5 | 7.8 |
| NE | .7 | .7 | .6 | .3 | .1 | | | | | | | 2.3 | 6.8 |
| ENE | .6 | .9 | .6 | .2 | .0 | | | | | | | 2.4 | 6.1 |
| E | 2.0 | 1.9 | 1.4 | .4 | | | | | | | | 5.6 | 5.5 |
| ESE | .6 | 1.0 | .5 | .1 | | | | | | | | 2.3 | 5.4 |
| SE | 1.9 | 2.5 | .8 | .1 | | | | | | | | 5.4 | 4.6 |
| SSE | 1.8 | 1.6 | .5 | .1 | | | | | | | | 4.1 | 4.5 |
| S | 4.0 | 6.8 | 3.1 | 1.2 | | | | | | | | 15.1 | 5.6 |
| SSW | 2.1 | 3.9 | 2.6 | 1.8 | .1 | .1 | | | | | | 10.6 | 6.9 |
| SW | 2.0 | 3.9 | 4.7 | 2.9 | .5 | .2 | | | | | | 14.2 | 8.2 |
| WSW | .8 | 1.4 | 1.6 | 1.0 | .2 | .1 | | | | | | 5.1 | 8.3 |
| W | 1.2 | .9 | 1.7 | 1.4 | .4 | .1 | | | | | | 5.8 | 9.0 |
| WNW | .3 | .5 | .4 | .8 | .5 | .1 | .0 | | | | | 2.6 | 11.6 |
| NW | .3 | .5 | .4 | .1 | .1 | .0 | | | | | | 1.5 | 8.0 |
| NNW | .6 | .6 | .4 | .3 | .1 | | | | | | | 2.0 | 7.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 16.1 | |
| | 20.5 | 28.8 | 20.5 | 11.0 | 2.3 | .8 | .0 | | | | | 100.0 | 5.7 |

TOTAL NUMBER OF OBSERVATIONS 2130

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,52-72 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 1800-2000 (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 | 2.7 | 2.3 | .9 | .2 | .1 | .0 | | | | | | 6.2 | 4.9 |
| NNE | .7 | 1.0 | .6 | .3 | .0 | | | | | | | 2.7 | 6.3 |
| NE | 1.2 | 1.4 | .5 | .1 | | | | | | | | 3.2 | 4.5 |
| ENE | .5 | .8 | .2 | .0 | | | | | | | | 1.6 | 4.8 |
| E | .6 | 1.0 | .4 | | | | | | | | | 2.0 | 4.6 |
| ESE | .4 | .6 | .1 | | | | | | | | | 1.1 | 4.3 |
| SE | .9 | 1.1 | .1 | .0 | | | | | | | | 2.1 | 4.2 |
| SSE | 1.2 | .9 | .1 | | | | | | | | | 2.2 | 3.7 |
| S | 4.4 | 5.0 | 1.9 | .1 | | | | | | | | 11.3 | 4.5 |
| SSW | 2.2 | 4.5 | 1.8 | .4 | .2 | .0 | | | | | | 9.2 | 5.7 |
| SW | 2.5 | 5.5 | 2.6 | 1.0 | .0 | .1 | | | | | | 11.7 | 6.0 |
| WSW | .9 | 2.1 | 1.4 | .3 | .0 | | | | | | | 4.9 | 6.1 |
| W | 1.8 | 2.4 | 1.7 | .3 | .0 | .1 | | | | | | 6.4 | 6.0 |
| WNW | 1.1 | 1.5 | .8 | .7 | .4 | | | | | | | 4.5 | 7.3 |
| NW | 1.4 | 2.7 | .6 | .5 | .2 | | | | | | | 5.4 | 5.8 |
| NNW | 1.2 | 2.4 | .5 | .1 | | .0 | | | | | | 4.2 | 4.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 21.4 | |
| | 29.7 | 35.1 | 14.3 | 4.1 | 1.1 | .3 | | | | | | 100.0 | 4.3 |

TOTAL NUMBER OF OBSERVATIONS 2141

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,52-72 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 2100-2300 (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 | 6.0 | 14.5 | 6.0 | .9 | | .0 | | | | | | 27.5 | 3.4 |
| NNE | 1.8 | 2.3 | .8 | .3 | .0 | | | | | | | 5.3 | 5.1 |
| NE | 1.5 | 1.3 | .9 | .3 | | | | | | | | 4.0 | 5.5 |
| ENE | .4 | .7 | .1 | | | | | | | | | 1.2 | 4.1 |
| E | .7 | .7 | .2 | .0 | | | | | | | | 1.6 | 4.5 |
| ESE | .2 | .3 | .2 | | | | | | | | | .7 | 5.0 |
| SE | .5 | .4 | .0 | | | | | | | | | .9 | 3.9 |
| SSE | .3 | .2 | .0 | .1 | | | | | | | | .7 | 5.1 |
| S | 1.5 | 1.6 | .8 | .1 | .0 | | | | | | | 4.1 | 5.1 |
| SSW | .6 | 1.4 | 1.0 | .3 | .1 | | | | | | | 3.5 | 6.9 |
| SW | 1.0 | 1.7 | 1.2 | .3 | | | | | | | | 4.1 | 5.9 |
| WSW | .7 | .9 | .6 | .4 | | | | | | | | 2.5 | 6.3 |
| W | .6 | 1.0 | .2 | .2 | | | | | | | | 2.1 | 3.4 |
| WNW | .5 | 1.0 | .3 | .6 | .1 | | | | | | | 2.4 | 7.5 |
| NW | 2.3 | 3.1 | 1.5 | .4 | .3 | .0 | | | | | | 7.6 | 5.7 |
| NNW | 2.9 | 7.7 | 3.9 | .2 | | .0 | | | | | | 13.7 | 5.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 18.1 | |
| | 21.3 | 38.8 | 18.9 | 4.3 | .5 | .1 | | | | | | 100.0 | 4.5 |

TOTAL NUMBER OF OBSERVATIONS 2143

USAFETAC FORM 0-8-5 (OL-A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-45,52-72 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 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 | 6.1 | 16.8 | 5.8 | .5 | | | | | | | | 29.1 | 5.2 |
| NNE | 1.7 | 4.9 | 1.4 | .6 | .1 | | | | | | | 8.7 | 5.6 |
| NE | 2.3 | 2.4 | .7 | | | | | | | | | 5.5 | 4.4 |
| ENE | .6 | .4 | .1 | | | | | | | | | 1.2 | 3.8 |
| E | 1.0 | .7 | .2 | | | | | | | | | 1.9 | 3.8 |
| ESE | .3 | .2 | .0 | | | | | | | | | .6 | 3.5 |
| SE | .4 | .2 | .2 | | | | | | | | | .9 | 4.5 |
| SSE | .2 | .3 | .1 | | | | | | | | | .6 | 4.5 |
| S | 1.3 | 2.1 | .8 | .3 | | .0 | | | | | | 4.5 | 5.6 |
| SSW | .7 | 1.0 | 1.6 | .6 | .1 | .0 | | | | | | 4.0 | 7.5 |
| SW | .6 | 1.8 | 1.9 | 1.2 | .2 | .0 | | | | | | 5.8 | 8.1 |
| WSW | .3 | .9 | .3 | .2 | | | | | | | | 1.5 | 5.9 |
| W | .3 | 1.0 | .4 | .0 | | | | | | | | 1.7 | 5.1 |
| WNW | .4 | .4 | .5 | .2 | | | | | | | | 1.5 | 6.6 |
| NW | 1.9 | 2.7 | 1.4 | .5 | .0 | | | | | | | 6.5 | 5.8 |
| NNW | 2.2 | 5.4 | 2.7 | .4 | .1 | | | | | | | 10.9 | 5.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 15.3 | |
| | 20.6 | 40.9 | 18.2 | 4.4 | .5 | .1 | | | | | | 100.0 | 4.7 |

TOTAL NUMBER OF OBSERVATIONS 2313

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-45,52-72 (YEARS) MAR (MONTH)

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 | 7.7 | 19.7 | 5.4 | .6 | .1 | | | | | | | 33.5 | 5.0 |
| NNE | 2.3 | 4.2 | .8 | .5 | .0 | | | | | | | 8.0 | 5.1 |
| NE | 2.3 | 3.0 | .4 | .2 | | | | | | | | 5.9 | 4.6 |
| ENE | .6 | .7 | .1 | | | | | | | | | 1.4 | 4.0 |
| E | .8 | 1.0 | .0 | | | | | | | | | 1.9 | 4.0 |
| ESE | .2 | .5 | | | | | | | | | | .7 | 3.8 |
| SE | .4 | .5 | .1 | | | | | | | | | 1.0 | 4.2 |
| SSE | .5 | .3 | .1 | | | | | | | | | .9 | 4.0 |
| S | 1.0 | 1.9 | .7 | .3 | | | | | | | | 3.8 | 5.4 |
| SSW | .6 | 1.3 | 1.3 | .8 | | | | | | | | 4.0 | 7.3 |
| SW | .3 | 1.6 | 1.0 | .6 | .1 | | | | | | | 3.7 | 7.5 |
| WSW | .3 | .3 | .4 | .2 | | | | | | | | 1.2 | 7.0 |
| W | .3 | .3 | .2 | .1 | | | | | | | | .9 | 5.5 |
| WNW | .2 | .3 | .2 | .1 | | | | | | | | .8 | 6.7 |
| NW | 2.0 | 1.7 | .9 | .1 | .0 | | | | | | | 4.8 | 4.9 |
| NNW | 2.3 | 6.2 | 2.4 | .3 | .0 | | | | | | | 11.2 | 5.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 16.4 | |
| | 21.8 | 43.5 | 14.1 | 3.9 | .3 | | | | | | | 100.0 | 4.4 |

TOTAL NUMBER OF OBSERVATIONS 2310

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-45,52-72 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 0600-0800 (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 | 8.9 | 17.9 | 3.7 | .7 | .2 | .0 | | | | | | 31.4 | 4.9 |
| NNE | 2.8 | 3.5 | .8 | .8 | .2 | | | | | | | 8.1 | 5.5 |
| NE | 2.6 | 2.3 | .6 | .1 | .0 | | | | | | | 5.8 | 4.4 |
| ENE | .8 | .8 | .0 | | | | | | | | | 1.6 | 3.7 |
| E | 1.2 | .5 | | | | | | | | | | 1.7 | 3.2 |
| ESE | .3 | .3 | .1 | | | | | | | | | .7 | 4.1 |
| SE | .6 | .4 | .0 | | | | | | | | | 1.0 | 3.6 |
| SSE | .2 | .4 | .2 | | | | | | | | | .8 | 5.1 |
| S | 1.1 | 1.7 | .8 | .1 | | | | | | | | 3.7 | 5.3 |
| SSW | .7 | 1.3 | 1.1 | .5 | | | | | | | | 3.7 | 6.6 |
| SW | .7 | 1.4 | 1.3 | .6 | .1 | | | | | | | 4.0 | 7.0 |
| WSW | .3 | .3 | .3 | .2 | .1 | | | | | | | 1.2 | 7.0 |
| W | .4 | .4 | .1 | .1 | .0 | | | | | | | 1.0 | 5.4 |
| WNW | .3 | .4 | .1 | .3 | .0 | | | | | | | 1.2 | 6.9 |
| NW | 1.9 | 1.9 | .5 | .1 | .0 | | | | | | | 4.5 | 4.5 |
| NNW | 3.1 | 7.0 | 1.3 | .2 | | | | | | | | 11.5 | 4.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 18.0 | |
| | 26.0 | 40.7 | 10.9 | 3.7 | .7 | .0 | | | | | | 100.0 | 4.1 |

TOTAL NUMBER OF OBSERVATIONS 2316

USAFETAC FORM JUL 64 0-6-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-43,52-72 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 0930-1100 (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 | 2.2 | 3.0 | 1.9 | 1.0 | .3 | .1 | | | | | | 8.6 | 6.7 |
| NNE | 1.5 | 2.4 | .9 | .6 | .6 | | | | | | | 6.1 | 6.9 |
| NE | 2.9 | 2.7 | .9 | .8 | .1 | | | | | | | 7.5 | 5.5 |
| ENE | 2.4 | 2.8 | .8 | .4 | | | | | | | | 6.4 | 4.0 |
| E | 4.4 | 4.0 | .8 | .1 | | | | | | | | 9.3 | 4.1 |
| ESE | 1.2 | 3.4 | .7 | .0 | | | | | | | | 5.6 | 4.6 |
| SE | 3.0 | 2.7 | .2 | | | | | | | | | 5.9 | 3.7 |
| SSE | 1.0 | 1.0 | .1 | | | | | | | | | 2.1 | 3.7 |
| S | 1.6 | 1.7 | 1.1 | .9 | | | | | | | | 5.4 | 6.2 |
| SSW | .9 | 1.6 | 1.5 | 1.5 | .1 | | | | | | | 5.7 | 7.9 |
| SW | 1.0 | 1.1 | 2.6 | 2.1 | .4 | .1 | | | | | | 7.3 | 9.4 |
| WSW | .3 | .2 | .1 | .3 | .2 | | | | | | | 1.2 | 9.4 |
| W | .4 | .3 | .1 | .2 | .2 | | | | | | | 1.1 | 7.7 |
| WNW | .3 | .0 | .3 | .1 | .2 | .0 | | | | | | .9 | 9.9 |
| NW | .6 | .5 | .5 | .3 | .0 | .1 | | | | | | 2.1 | 7.9 |
| NNW | .4 | .8 | .6 | .1 | | | | | | | | 1.9 | 5.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 22.9 | |
| | 24.7 | 28.2 | 13.1 | 8.6 | 2.2 | .3 | | | | | | 100.0 | 4.7 |

TOTAL NUMBER OF OBSERVATIONS 2316

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-43,52-72 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 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 | .9 | 1.3 | .6 | .3 | .0 | .1 | | | | | | 3.2 | 6.4 |
| NNE | .5 | .5 | .5 | .3 | .0 | | | | | | | 1.9 | 6.9 |
| NE | 1.2 | 1.5 | .3 | .2 | | | | | | | | 3.6 | 5.3 |
| ENE | 1.1 | 1.4 | .6 | .1 | | | | | | | | 3.2 | 5.0 |
| E | 2.3 | 3.8 | 1.5 | .2 | .0 | | | | | | | 7.7 | 5.1 |
| ESE | 1.2 | 2.6 | .7 | .1 | | | | | | | | 4.7 | 5.0 |
| SE | 2.3 | 4.2 | .9 | .1 | | | | | | | | 7.5 | 4.7 |
| SSE | 1.8 | 2.9 | .6 | .0 | | | | | | | | 5.4 | 4.6 |
| S | 2.5 | 5.9 | 3.5 | .8 | .0 | | | | | | | 12.8 | 5.9 |
| SSW | 1.3 | 3.0 | 3.3 | 2.3 | .6 | .1 | | | | | | 10.2 | 8.3 |
| SW | 1.9 | 3.0 | 3.4 | 3.1 | .6 | .1 | | | | | | 12.1 | 8.6 |
| WSW | 1.2 | 1.2 | 1.0 | 1.1 | .6 | .2 | | | | | | 5.3 | 9.2 |
| W | .8 | 1.2 | 1.0 | .9 | .3 | .1 | | | | | | 4.3 | 8.3 |
| WNW | .1 | .3 | .4 | .6 | .2 | .1 | .0 | | | | | 1.7 | 11.9 |
| NW | .3 | .5 | .2 | .3 | | .0 | .0 | | | | | 1.4 | 8.3 |
| NNW | .3 | .6 | .2 | .1 | | | | | | | | 1.2 | 5.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 13.9 | |
| | 19.5 | 33.9 | 19.3 | 10.3 | 2.5 | .6 | .1 | | | | | 100.0 | 5.8 |

TOTAL NUMBER OF OBSERVATIONS 2310

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

| 23111 | LUKE AFB ARIZONA/PHOENIX | 42-45,52-72 | MAR |
|---|---|---|---|
| STATION | STATION NAME | YEARS | MONTH |

ALL WEATHER
CLASS

1500-1700
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 | .5 | .6 | .6 | .1 | .0 | .0 | | | | | | 1.9 | 6.6 |
| NNE | .6 | .4 | .1 | .4 | .0 | .0 | | | | | | 1.6 | 7.5 |
| NE | 1.0 | .8 | .2 | .0 | | | .0 | | | | | 2.1 | 4.6 |
| ENE | .3 | .4 | .4 | .0 | | | | | | | | 1.2 | 5.8 |
| E | .8 | 1.6 | .7 | .2 | | | | | | | | 3.3 | 5.9 |
| ESE | .5 | 1.1 | .3 | .0 | | | | | | | | 1.9 | 5.1 |
| SE | 1.6 | 2.1 | .5 | | | | | | | | | 4.2 | 4.3 |
| SSE | .7 | 1.9 | .5 | .3 | | | | | | | | 3.4 | 5.5 |
| S | 2.6 | 5.6 | 5.8 | 1.6 | .1 | | | | | | | 15.8 | 6.8 |
| SSW | 1.1 | 3.5 | 5.5 | 2.9 | .5 | .2 | | | | | | 13.7 | 8.8 |
| SW | 1.9 | 4.7 | 5.4 | 4.8 | .9 | | .1 | | | | | 17.7 | 8.9 |
| WSW | .7 | 1.9 | 2.7 | 2.4 | 1.1 | .1 | .0 | | | | | 9.0 | 10.3 |
| W | .8 | 1.6 | 1.4 | 1.9 | .7 | .0 | | | | | | 6.4 | 9.6 |
| WNW | .5 | .5 | .4 | 1.3 | .6 | .3 | .0 | .0 | | | | 3.7 | 12.5 |
| NW | .5 | .6 | .5 | .8 | .3 | .2 | | | | | | 2.9 | 9.9 |
| NNW | .3 | .3 | .3 | .3 | | | | | | | | 1.2 | 7.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.0 | |
| | 14.5 | 27.6 | 25.4 | 17.1 | 4.3 | .9 | .2 | .0 | | | | 100.0 | 7.3 |

TOTAL NUMBER OF OBSERVATIONS 2311

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-45,52-72 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 1800-2000 (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 | 1.1 | 1.0 | .4 | .2 | .0 | .0 | | | | | | 2.7 | 5.3 |
| NNE | .6 | .6 | .3 | .0 | .0 | | | | | | | 1.6 | 5.4 |
| NE | .8 | .3 | .3 | .0 | | | | | | | | 1.4 | 4.6 |
| ENE | .6 | .8 | .1 | .1 | | | | | | | | 1.6 | 4.7 |
| E | .9 | 1.2 | .5 | .1 | .0 | | | | | | | 2.8 | 5.3 |
| ESE | .4 | .6 | .3 | | | | | | | | | 1.4 | 5.1 |
| SE | .8 | 1.0 | .1 | .0 | | | | | | | | 2.0 | 4.3 |
| SSE | .8 | 1.3 | .2 | .0 | | | | | | | | 2.4 | 4.4 |
| S | 3.9 | 5.7 | 2.6 | .2 | .1 | .0 | | | | | | 12.5 | 5.2 |
| SSW | 1.8 | 5.2 | 3.7 | 1.3 | .1 | .1 | | | | | | 12.3 | 6.8 |
| SW | 2.2 | 6.0 | 5.6 | 2.6 | .3 | | | | | | | 16.5 | 7.3 |
| WSW | 1.2 | 2.3 | 2.4 | 1.1 | .0 | | | | | | | 7.1 | 7.0 |
| W | 1.3 | 2.4 | 2.5 | 1.3 | .1 | | | | | | | 7.7 | 7.3 |
| WNW | 1.1 | 1.4 | 1.0 | 1.0 | .2 | .0 | | | | | | 4.8 | 7.6 |
| NW | 1.3 | 2.3 | 1.3 | .8 | .3 | .0 | | | | | | 6.0 | 7.2 |
| NNW | .8 | .9 | .4 | .2 | .1 | | | | | | | 2.4 | 6.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 14.8 | |
| | 19.6 | 33.1 | 21.8 | 9.1 | 1.3 | .3 | | | | | | 100.0 | 5.5 |

TOTAL NUMBER OF OBSERVATIONS 2311

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) | LUKE AFB ARIZONA/PHOENIX (STATION NAME) | 42-45,52-72 (YEARS) | MAR (MONTH)

ALL WEATHER (CLASS) | 2100-2300 (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 | 4.5 | 8.5 | 3.2 | .3 | | | | | | | | 16.5 | 5.0 |
| NNE | 1.5 | 2.2 | .9 | .3 | .1 | | | | | | | 5.0 | 5.5 |
| NE | 1.6 | 1.7 | .6 | | | | | | | | | 3.8 | 4.3 |
| ENE | .5 | .8 | .1 | .0 | | | | | | | | 1.5 | 4.6 |
| E | 1.1 | .8 | .3 | .0 | | | | | | | | 2.2 | 4.3 |
| ESE | .2 | .5 | .3 | | | | | | | | | 1.0 | 5.0 |
| SE | .4 | .7 | .2 | | | | | | | | | 1.3 | 4.5 |
| SSE | .6 | .5 | .0 | | .0 | | | | | | | 1.2 | 4.1 |
| S | 1.4 | 2.2 | 1.4 | .3 | .0 | | | | | | | 5.4 | 5.7 |
| SSW | 1.1 | 2.7 | 1.5 | .8 | .1 | .1 | | | | | | 6.3 | 6.9 |
| SW | 1.3 | 2.9 | 3.1 | .9 | .2 | | | | | | | 8.3 | 7.1 |
| WSW | .8 | 1.4 | 1.2 | .5 | | | | | | | | 3.9 | 6.5 |
| W | .8 | 1.3 | .7 | .3 | .0 | | | | | | | 3.2 | 5.9 |
| WNW | .8 | 1.5 | .6 | .6 | | | | | | | | 3.5 | 5.3 |
| NW | 2.1 | 4.3 | 2.2 | .7 | .1 | | | | | | | 9.4 | 5.9 |
| NNW | 2.0 | 4.6 | 2.4 | .3 | .0 | | | | | | | 9.4 | 5.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 18.1 | |
| | 20.6 | 36.7 | 18.6 | 5.2 | .6 | .1 | | | | | | 100.0 | 5.7 |

TOTAL NUMBER OF OBSERVATIONS 3313

DATA PROCESSING BRANCH
GTAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) | LUKE AFB ARIZONA/PHOENIX (STATION NAME) | 42-46,51-72 (YEARS) | APR (MONTH)

ALL WEATHER (CLASS) | 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 | 4.7 | 10.7 | 3.3 | .2 | .1 | | | | | | | 18.9 | 5.1 |
| NNE | 1.8 | 3.3 | .7 | .1 | | | | | | | | 5.9 | 4.7 |
| NE | 1.9 | 2.0 | .3 | .1 | | | | | | | | 4.4 | 4.3 |
| ENE | .4 | .8 | .0 | | | | | | | | | 1.2 | 3.9 |
| E | 1.1 | .7 | .2 | .0 | | | | | | | | 1.9 | 4.0 |
| ESE | .3 | .4 | .0 | | | | | | | | | .7 | 4.2 |
| SE | .8 | .6 | .2 | | | | | | | | | 1.6 | 3.9 |
| SSE | .5 | .7 | .1 | .0 | | | | | | | | 1.4 | 4.3 |
| S | 1.2 | 2.3 | 1.1 | .5 | .0 | | | | | | | 5.0 | 5.9 |
| SSW | 1.3 | 1.9 | 2.9 | .9 | .1 | | | | | | | 7.1 | 7.3 |
| SW | 1.1 | 3.0 | 5.2 | 2.1 | .5 | .0 | | | | | | 11.8 | 8.3 |
| WSW | .3 | 1.3 | .9 | .5 | .1 | | | | | | | 3.3 | 7.3 |
| W | .6 | .5 | .6 | .2 | .1 | | | | | | | 1.9 | 6.2 |
| WNW | .6 | .6 | .3 | .0 | | | | | | | | 1.5 | 5.2 |
| NW | 1.5 | 1.9 | 1.4 | .3 | | | | | | | | 5.2 | 5.8 |
| NNW | 2.0 | 4.1 | 1.7 | .3 | | | | | | | | 8.2 | 5.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 20.0 | |
| | 20.0 | 35.0 | 18.9 | 5.2 | .8 | .0 | | | | | | 100.0 | 4.7 |

TOTAL NUMBER OF OBSERVATIONS 2366

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 0300-0800 (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 | 7.3 | 14.6 | 3.0 | .4 | | | | | | | | 25.2 | 4.7 |
| NNE | 2.7 | 3.3 | .7 | .3 | | | | | | | | 7.0 | 4.6 |
| NE | 2.3 | 1.9 | .4 | | .0 | | | | | | | 4.6 | 3.9 |
| ENE | .6 | .6 | .0 | | | | | | | | | 1.3 | 3.7 |
| E | .8 | .9 | | | | | | | | | | 1.8 | 3.8 |
| ESE | .5 | .3 | .1 | | | | | | | | | .8 | 4.1 |
| SE | .9 | .5 | .0 | | | | | | | | | 1.5 | 3.4 |
| SSE | .4 | .3 | .4 | | | | | | | | | 1.4 | 4.9 |
| S | 1.2 | 1.9 | 1.1 | .2 | | | | | | | | 4.4 | 5.5 |
| SSW | .8 | 1.9 | 2.8 | .9 | .2 | | | | | | | 6.5 | 7.6 |
| SW | 1.1 | 3.0 | 2.8 | .7 | .1 | | | | | | | 7.7 | 6.7 |
| WSW | .6 | .8 | .4 | .3 | | | | | | | | 2.2 | 6.2 |
| W | .4 | .7 | .3 | .1 | | | | | | | | 1.5 | 5.4 |
| WNW | .8 | .5 | .4 | .0 | | | | | | | | 1.8 | 4.6 |
| NW | 1.5 | 2.0 | .9 | | | | | | | | | 4.4 | 4.7 |
| NNW | 1.9 | 4.4 | 1.6 | .0 | | | | | | | | 7.9 | 4.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 20.0 | |
| | 23.8 | 37.9 | 14.9 | 3.0 | .3 | | | | | | | 100.0 | 4.1 |

TOTAL NUMBER OF OBSERVATIONS 2356

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) | LUKE AFB ARIZONA/PHOENIX (STATION NAME) | 42-46,51-72 (YEARS) | APR (MONTH)

ALL WEATHER (CLASS) | 0600-0800 (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 | 7.2 | 12.3 | 2.3 | .3 | .0 | | | | | | | 22.3 | 4.7 |
| NNE | 2.7 | 3.7 | .8 | .6 | .2 | | | | | | | 8.0 | 5.3 |
| NE | 2.9 | 2.3 | .5 | .0 | | | | | | | | 5.8 | 4.1 |
| ENE | 1.2 | .8 | .2 | | | | | | | | | 2.2 | 3.7 |
| E | 2.4 | 1.2 | .2 | | | | | | | | | 3.7 | 3.4 |
| ESE | .7 | .3 | .2 | .0 | | | | | | | | 1.3 | 4.3 |
| SE | .8 | .6 | .3 | .0 | | | | | | | | 1.8 | 4.4 |
| SSE | .5 | .5 | .0 | .0 | .0 | | | | | | | 1.1 | 5.0 |
| S | .9 | 1.1 | 1.2 | .2 | | | | | | | | 3.4 | 5.8 |
| SSW | 1.0 | 1.3 | 2.2 | 1.1 | | | | | | | | 5.8 | 7.3 |
| SW | 1.0 | 1.8 | 2.6 | 1.1 | .1 | | | | | | | 6.6 | 7.5 |
| WSW | .4 | .6 | .5 | .2 | .1 | | | | | | | 1.8 | 6.9 |
| W | .4 | .5 | .1 | .3 | | | | | | | | 1.4 | 6.3 |
| WNW | .4 | .3 | .2 | .1 | | | | | | | | 1.2 | 5.1 |
| NW | 1.4 | 1.5 | .3 | .3 | | .0 | | | | | | 3.6 | 5.2 |
| NNW | 1.9 | 4.1 | 1.2 | .2 | | | | | | | | 7.4 | 4.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 22.7 | |
| | 25.7 | 33.6 | 12.8 | 4.6 | .5 | .0 | | | | | | 100.0 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 2366

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) APR (MONTH)

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 | 1.3 | 1.1 | .8 | .2 | .1 | | | | | | | 3.5 | 5.5 |
| NNE | .6 | 1.0 | .5 | .5 | .3 | .0 | | | | | | 2.9 | 8.2 |
| NE | 2.1 | 2.7 | .5 | .3 | | | | | | | | 5.5 | 4.7 |
| ENE | 2.0 | 1.7 | .9 | .3 | | | | | | | | 4.9 | 4.8 |
| E | 4.4 | 5.3 | 1.9 | .5 | | | | | | | | 12.0 | 4.9 |
| ESE | 1.6 | 2.7 | .7 | .1 | | | | | | | | 5.2 | 4.8 |
| SE | 2.3 | 3.6 | 1.0 | .1 | | | | | | | | 7.0 | 4.7 |
| SSE | 1.1 | 1.8 | .4 | | | | | | | | | 3.3 | 4.3 |
| S | 2.1 | 2.9 | 1.3 | 1.1 | .0 | | | | | | | 7.5 | 6.3 |
| SSW | 1.0 | 2.2 | 3.0 | 2.7 | .3 | .1 | | | | | | 9.3 | 8.9 |
| SW | 1.4 | 2.2 | 2.4 | 3.2 | .6 | .1 | | | | | | 9.9 | 9.2 |
| WSW | .4 | .7 | .5 | 1.0 | .4 | | | | | | | 3.0 | 10.1 |
| W | .7 | .5 | .2 | .3 | .1 | | | | | | | 1.8 | 6.2 |
| WNW | .3 | .3 | .1 | .3 | .0 | .0 | | | | | | 1.1 | 8.3 |
| NW | .4 | .3 | .3 | .2 | .0 | | | | | | | 1.2 | 6.8 |
| NNW | .3 | .4 | .1 | .1 | | | | | | | | .9 | 5.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 21.1 | |
| | 22.0 | 29.2 | 14.5 | 10.9 | 2.0 | .3 | | | | | | 100.0 | 5.1 |

TOTAL NUMBER OF OBSERVATIONS 2365

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 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 | 1.0 | .7 | .3 | | | | | | | | | 2.1 | 4.3 |
| NNE | .3 | .4 | .3 | .1 | | | | | | | | 1.2 | 6.2 |
| NE | .8 | 1.2 | .7 | .3 | | | | | | | | 3.0 | 5.6 |
| ENE | .5 | .9 | .5 | .1 | | | | | | | | 2.0 | 5.4 |
| E | 1.6 | 1.9 | 1.2 | .3 | .0 | | | | | | | 5.1 | 5.5 |
| ESE | 1.0 | 1.6 | 1.4 | .2 | .0 | | | | | | | 4.3 | 6.0 |
| SE | 2.5 | 3.6 | 1.7 | .1 | .0 | | | | | | | 7.9 | 5.0 |
| SSE | .6 | 2.7 | 1.1 | .3 | .0 | | | | | | | 4.9 | 5.2 |
| S | 2.1 | 5.6 | 4.0 | 1.7 | .1 | | | | | | | 13.5 | 6.5 |
| SSW | .8 | 3.6 | 4.8 | 3.6 | .8 | .2 | | | | | | 13.8 | 9.4 |
| SW | 1.4 | 4.4 | 5.2 | 4.1 | 1.3 | .4 | .0 | | | | | 16.9 | 9.5 |
| WSW | .6 | 1.5 | 2.1 | 1.6 | .5 | .2 | .0 | | | | | 6.7 | 9.8 |
| W | .9 | 1.1 | 1.3 | .5 | .2 | .0 | | | | | | 4.0 | 7.3 |
| WNW | .5 | .5 | .5 | .6 | .3 | | | | | | | 2.2 | 8.9 |
| NW | .5 | .6 | .3 | | | | | | | | | 1.5 | 4.6 |
| NNW | .3 | .4 | | .1 | | | | | | | | .8 | 4.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.2 | |
| | 15.9 | 30.5 | 25.5 | 13.7 | 3.3 | .8 | .1 | | | | | 100.0 | 6.7 |

TOTAL NUMBER OF OBSERVATIONS 2364

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
APR 64

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 1500-1700 (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 | .0 | 1.0 | .3 | .1 | .0 | | | | | | | 2.0 | 5.3 |
| NNE | .3 | .3 | .3 | .1 | | | | | | | | 1.1 | 6.3 |
| NE | .3 | .6 | .5 | .0 | .0 | .0 | | | | | | 1.5 | 6.6 |
| ENE | .1 | .5 | .2 | .0 | | | | | | | | .8 | 5.9 |
| E | 1.2 | 1.5 | .6 | .0 | | | | | | | | 3.3 | 4.8 |
| ESE | .2 | .5 | .4 | | | | | | | | | 1.1 | 5.8 |
| SE | 1.1 | 1.5 | 1.0 | .0 | | | | | | | | 3.6 | 5.2 |
| SSE | .6 | 1.5 | .8 | .1 | | | | | | | | 2.9 | 5.6 |
| S | 1.6 | 4.0 | 5.4 | 2.2 | .4 | | | | | | | 13.5 | 7.7 |
| SSW | .8 | 2.8 | 5.9 | 5.2 | 1.0 | .1 | | .0 | | | | 15.7 | 10.1 |
| SW | 1.3 | 4.1 | 7.5 | 6.8 | 1.8 | .8 | .1 | | | | | 22.5 | 10.5 |
| WSW | .6 | 2.0 | 3.9 | 4.0 | 1.4 | .3 | .0 | | | | | 12.2 | 11.0 |
| W | .8 | 1.3 | 2.0 | 2.2 | .3 | .0 | | | | | | 6.5 | 9.1 |
| WNW | .3 | .5 | .6 | .9 | .3 | .1 | | | | | | 2.7 | 10.6 |
| NW | .7 | .6 | .5 | .4 | .1 | .1 | | | | | | 2.4 | 7.9 |
| NNW | .4 | .1 | .3 | .2 | | | | | | | | 1.0 | 6.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 6.9 | |
| | 10.9 | 22.7 | 30.1 | 22.3 | 5.3 | 1.7 | .1 | .0 | | | | 100.0 | 8.4 |

TOTAL NUMBER OF OBSERVATIONS 2362

USAFE, FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 1800-2000 (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 | 1.1 | 1.0 | .3 | .2 | .0 | | | | | | | 2.8 | 5.3 |
| NNE | .4 | .3 | .3 | .2 | | | | | | | | 1.2 | 6.3 |
| NE | .0 | .6 | .3 | .1 | | | | | | | | 1.7 | 5.4 |
| ENE | .3 | .4 | .2 | .0 | | | | | | | | .9 | 5.2 |
| E | .5 | .7 | .2 | .0 | | | | | | | | 1.4 | 4.8 |
| ESE | .4 | .3 | .0 | .1 | | | | | | | | .9 | 5.1 |
| SE | .7 | .8 | .2 | .1 | .0 | .0 | | | | | | 1.8 | 5.5 |
| SSE | .5 | .8 | .3 | .0 | | | | | | | | 1.6 | 4.8 |
| S | 2.6 | 5.2 | 2.8 | .7 | .1 | .0 | | | | | | 11.4 | 6.0 |
| SSW | 1.4 | 5.4 | 6.0 | 2.4 | .5 | .3 | | | | | | 16.0 | 8.0 |
| SW | 2.6 | 5.8 | 7.7 | 4.7 | .9 | .1 | | | | | | 22.0 | 8.5 |
| WSW | .8 | 3.8 | 3.6 | 2.6 | .7 | .2 | | | | | | 11.3 | 8.9 |
| W | .9 | 3.1 | 2.0 | 1.1 | .3 | | | | | | | 7.5 | 7.2 |
| WNW | .5 | .9 | 1.3 | .8 | .3 | .0 | | | | | | 3.8 | 8.8 |
| NW | .8 | 1.1 | .8 | .3 | .1 | | | | | | | 3.1 | 6.2 |
| NNW | .3 | .6 | .3 | .1 | .0 | | | | | | | 1.3 | 6.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 11.5 | |
| | 14.5 | 30.6 | 26.3 | 13.5 | 2.9 | .7 | | | | | | 100.0 | 6.6 |

TOTAL NUMBER OF OBSERVATIONS 2362

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 2100-2300 (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 | 3.2 | 4.7 | 1.9 | .2 | | | | | | | | 10.0 | 4.8 |
| NNE | 1.0 | 1.3 | .3 | .2 | | | | | | | | 2.7 | 4.7 |
| NE | 1.3 | 1.0 | .4 | .1 | | | | | | | | 2.7 | 4.6 |
| ENE | .5 | .4 | .1 | | | | | | | | | 1.0 | 4.0 |
| E | .9 | .7 | .2 | .0 | | | | | | | | 1.8 | 4.0 |
| ESE | .4 | .4 | .1 | .1 | | | | | | | | 1.0 | 5.4 |
| SE | .6 | .3 | .2 | .0 | | | | | | | | 1.2 | 4.6 |
| SSE | .6 | .5 | .1 | | | | | | | | | 1.2 | 3.8 |
| S | 1.4 | 2.6 | 1.1 | .5 | .0 | .0 | | | | | | 5.7 | 6.0 |
| SSW | 1.1 | 2.9 | 2.9 | 1.1 | .1 | | | | | | | 8.1 | 7.2 |
| SW | 2.2 | 6.5 | 6.3 | 2.7 | .5 | | | | | | | 18.2 | 7.5 |
| WSW | 1.1 | 2.0 | 1.9 | 1.0 | .2 | .1 | | | | | | 6.2 | 7.2 |
| W | 1.8 | 2.8 | .8 | .4 | | .0 | | | | | | 5.8 | 5.4 |
| WNW | .9 | 1.6 | .8 | .3 | .0 | | | | | | | 3.6 | 5.8 |
| NW | 1.4 | 2.5 | 1.6 | .7 | .0 | | | | | | | 6.3 | 6.1 |
| NNW | 1.5 | 3.2 | 1.3 | .1 | | | | | | | | 6.1 | 5.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 18.2 | |
| | 19.8 | 33.3 | 20.1 | 7.4 | 1.0 | .2 | | | | | | 100.0 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS 2369

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 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 | 3.2 | 6.7 | 2.0 | .2 | | | | | | | | 12.1 | 4.9 |
| NNE | 1.6 | 2.1 | .7 | .0 | .0 | | | | | | | 4.4 | 4.8 |
| NE | 1.7 | 2.1 | .3 | .1 | | | | | | | | 4.2 | 4.3 |
| ENE | .4 | 1.3 | .4 | .0 | | | | | | | | 2.1 | 5.0 |
| E | .9 | .9 | .0 | | | | | | | | | 1.8 | 3.5 |
| ESE | .4 | .4 | .0 | | | | | | | | | .9 | 3.7 |
| SE | .8 | .9 | .3 | .0 | | | | | | | | 2.0 | 4.7 |
| SSE | .6 | .7 | .1 | .1 | | | | | | | | 1.5 | 4.8 |
| S | 2.5 | 3.5 | 1.7 | .3 | | | | | | | | 8.0 | 5.1 |
| SSW | 1.4 | 4.1 | 5.2 | 1.7 | .1 | | | | | | | 12.4 | 7.3 |
| SW | 2.4 | 5.2 | 8.4 | 2.9 | .1 | .1 | | | | | | 19.1 | 7.6 |
| WSW | .6 | 1.7 | 1.7 | .5 | | | | | | | | 4.5 | 6.9 |
| W | .9 | 1.1 | .5 | .2 | | | | | | | | 2.6 | 5.2 |
| WNW | .3 | .4 | .1 | .2 | | | | | | | | .9 | 6.1 |
| NW | 1.3 | 1.4 | .9 | .2 | | | | | | | | 3.8 | 5.5 |
| NNW | .9 | 1.6 | 1.2 | .1 | | | | | | | | 3.7 | 5.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 15.9 | |
| | 19.8 | 33.9 | 23.6 | 6.6 | .2 | .1 | | | | | | 100.0 | 5.1 |

TOTAL NUMBER OF OBSERVATIONS 2500

DATA PROCESSING BRANCH
1 ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) MAY (MONTH)

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 | 6.9 | 9.3 | 2.6 | .1 | .0 | .0 | | | | | | 19.0 | 4.7 |
| NNE | 2.2 | 2.3 | .4 | .1 | | .0 | | | | | | 5.1 | 4.4 |
| NE | 2.4 | 2.0 | .4 | .0 | | | | | | | | 4.8 | 4.1 |
| ENE | .8 | .9 | .2 | | | | | | | | | 2.0 | 4.1 |
| E | .9 | 1.0 | .3 | | | | | | | | | 2.2 | 4.2 |
| ESE | .5 | .4 | .1 | | | | | | | | | 1.0 | 3.7 |
| SE | .7 | .6 | .1 | | | | | | | | | 1.4 | 3.6 |
| SSE | .6 | .2 | .2 | | | | | | | | | 1.0 | 3.9 |
| S | 1.9 | 2.9 | 1.8 | .3 | | | | | | | | 6.9 | 5.4 |
| SSW | 1.2 | 2.4 | 3.1 | 1.0 | .1 | | | | | | | 7.9 | 7.1 |
| SW | 1.9 | 4.2 | 4.4 | .8 | .1 | | | | | | | 11.4 | 6.7 |
| WSW | .8 | .8 | .6 | .2 | | | | | | | | 2.4 | 5.3 |
| W | .7 | .6 | .4 | .1 | | | | | | | | 1.8 | 4.8 |
| WNW | .6 | .5 | .2 | | | | | | | | | 1.3 | 4.1 |
| NW | 2.0 | 1.6 | .4 | .2 | | | | | | | | 4.1 | 4.3 |
| NNW | 1.9 | 3.4 | 1.1 | .1 | | | | | | | | 6.5 | 4.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 21.2 | |
| | 26.1 | 33.1 | 16.4 | 2.9 | .2 | .1 | | | | | | 100.0 | 4.1 |

TOTAL NUMBER OF OBSERVATIONS 2499

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

# SURFACE WINDS

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

| 23111 | LUKE AFB ARIZONA/PHOENIX | 42-46,51-72 | MAY |
|---|---|---|---|
| STATION | STATION NAME | YEARS | MONTH |

ALL WEATHER (CLASS) | 0600-0800 (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 | 6.6 | 9.4 | 2.8 | .2 | .0 | | | | | | | 19.1 | 4.6 |
| NNE | 3.0 | 3.3 | .5 | .2 | .2 | .1 | | | | | | 7.2 | 4.9 |
| NE | 5.0 | 2.6 | .5 | .2 | | | | | | | | 8.3 | 3.7 |
| ENE | 2.0 | 1.5 | .1 | .1 | | | | | | | | 3.7 | 3.7 |
| E | 2.8 | 1.9 | .4 | .1 | | | | | | | | 5.3 | 3.9 |
| ESE | .6 | .7 | .1 | | | | | | | | | 1.6 | 4.1 |
| SE | 1.0 | .5 | .2 | .0 | | | | | | | | 1.7 | 3.7 |
| SSE | .5 | .5 | .0 | | | | | | | | | 1.0 | 3.7 |
| S | 1.1 | 1.2 | .7 | .1 | | | | | | | | 3.0 | 4.9 |
| SSW | .7 | 1.3 | 2.8 | 1.4 | .0 | | | | | | | 6.2 | 8.0 |
| SW | 1.3 | 1.8 | 2.5 | 1.0 | .2 | .0 | | | | | | 6.9 | 7.4 |
| WSW | .3 | .4 | .4 | .2 | | | | | | | | 1.3 | 6.9 |
| W | .6 | .6 | .1 | | | | | | | | | 1.2 | 3.7 |
| WNW | .6 | .2 | .1 | .0 | .0 | | | | | | | 1.0 | 4.5 |
| NW | 1.4 | 1.2 | .3 | .1 | | | | | | | | 3.0 | 4.2 |
| NNW | 1.6 | 2.2 | .9 | .1 | | | | | | | | 4.9 | 4.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 24.6 | |
| | 29.3 | 29.4 | 12.4 | 3.7 | .4 | .1 | | | | | | 100.0 | 3.7 |

TOTAL NUMBER OF OBSERVATIONS 2494

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) MAY (MONTH)

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 | .6 | .7 | .1 | .0 | .0 | | | | | | | 1.6 | 4.5 |
| NNE | .7 | .3 | .4 | .4 | .0 | .0 | | | | | | 1.9 | 6.9 |
| NE | 2.4 | 2.0 | .7 | .3 | .1 | | | | | | | 5.5 | 5.1 |
| ENE | 1.4 | 2.3 | .8 | .1 | .1 | | | | | | | 4.7 | 5.2 |
| E | 4.3 | 4.5 | 1.2 | .4 | .0 | | | | | | | 10.4 | 4.6 |
| ESE | 1.9 | 2.2 | 1.0 | .4 | | | | | | | | 5.5 | 5.3 |
| SE | 3.3 | 3.8 | 1.3 | .1 | | | | | | | | 8.5 | 4.5 |
| SSE | 1.6 | 2.1 | .8 | .1 | | | | | | | | 4.6 | 4.6 |
| S | 3.3 | 4.9 | 2.1 | .6 | .0 | | | | | | | 10.9 | 5.3 |
| SSW | 1.8 | 2.8 | 3.8 | 1.9 | .2 | | | | | | | 10.4 | 7.5 |
| SW | 2.2 | 2.9 | 3.4 | 2.2 | .3 | | | | | | | 11.0 | 7.5 |
| WSW | .6 | .4 | .6 | .5 | .0 | | | | | | | 2.2 | 7.3 |
| W | .8 | .5 | .2 | .1 | .0 | | | | | | | 1.6 | 5.0 |
| WNW | .4 | .2 | .3 | .1 | | | | | | | | 1.0 | 5.5 |
| NW | .4 | .3 | .1 | .1 | | | | | | | | .8 | 5.0 |
| NNW | .2 | .3 | .1 | | | | | | | | | .6 | 4.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 18.8 | |
| | 25.8 | 30.2 | 19.9 | 7.3 | .9 | .0 | | | | | | 100.0 | 4.6 |

TOTAL NUMBER OF OBSERVATIONS 2492

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 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 | .6 | .4 | .3 | .1 | .0 | | | | | | | 1.3 | 5.4 |
| NNE | .4 | .3 | .1 | .1 | .0 | | | | | | | 1.1 | 5.5 |
| NE | .0 | .7 | .6 | .1 | | | | | | | | 2.0 | 5.7 |
| ENE | .6 | .7 | .6 | .3 | | | | | | | | 2.2 | 6.5 |
| E | 1.2 | 1.5 | 1.4 | .4 | | | | | | | | 4.6 | 6.1 |
| ESE | .5 | 1.3 | 1.0 | .2 | .0 | | | | | | | 3.1 | 6.3 |
| SE | 1.5 | 3.6 | 1.7 | .1 | | | | | | | | 6.9 | 5.4 |
| SSE | .8 | 1.9 | 1.1 | .3 | .1 | | | | | | | 4.2 | 6.1 |
| S | 2.6 | 5.0 | 4.6 | 1.4 | .1 | | | | | | | 13.7 | 6.7 |
| SSW | 1.2 | 3.6 | 5.7 | 3.4 | .4 | .0 | .0 | | | | | 14.4 | 8.6 |
| SW | 2.7 | 5.3 | 7.4 | 5.5 | .6 | .1 | | | | | | 21.6 | 8.5 |
| WSW | .9 | 2.4 | 3.0 | 1.8 | .2 | .1 | | | | | | 8.4 | 8.4 |
| W | 1.1 | 1.6 | 1.4 | .5 | .1 | | | | | | | 4.8 | 6.5 |
| WNW | .2 | .4 | .4 | .2 | | | | | | | | 1.2 | 7.2 |
| NW | .8 | .5 | .4 | .1 | .0 | .1 | | | | | | 1.8 | 6.0 |
| NNW | .3 | .2 | .0 | | | | | | | | | .5 | 4.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.9 | |
| | 16.1 | 29.5 | 29.9 | 14.5 | 1.8 | .3 | .0 | | | | | 100.0 | 6.7 |

TOTAL NUMBER OF OBSERVATIONS 2497

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

| 23111 | LUKE AFB ARIZONA/PHOENIX | 42-46,51-72 | MAY |
|---|---|---|---|
| STATION | STATION NAME | YEARS | MONTH |

ALL WEATHER
CLASS

1500-1700
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 | .6 | .2 | | | | | | | | | 1.0 | 5.1 |
| NNE | .2 | .1 | .2 | .1 | | | | | | | | .7 | 6.4 |
| NE | .4 | .5 | .4 | .0 | .0 | | | | | | | 1.4 | 5.6 |
| ENE | .3 | .4 | .1 | .1 | | | | | | | | .9 | 5.1 |
| E | .5 | .6 | .4 | .1 | .0 | | | | | | | 1.7 | 5.5 |
| ESE | .4 | .5 | .5 | .2 | .1 | | .0 | | | | | 1.7 | 7.2 |
| SE | .6 | 1.0 | 1.0 | .2 | .0 | | | | | | | 2.8 | 6.1 |
| SSE | .4 | 1.0 | .7 | .0 | | | | | | | | 2.2 | 5.8 |
| S | 1.5 | 3.2 | 4.1 | 1.5 | .2 | | | | | | | 10.5 | 7.4 |
| SSW | .7 | 2.6 | 7.3 | 4.7 | .8 | | | | | | | 16.1 | 9.6 |
| SW | 1.8 | 5.7 | 10.9 | 9.8 | 2.6 | .2 | | | | | | 31.1 | 10.0 |
| WSW | .5 | 2.0 | 4.5 | 5.2 | 1.3 | .2 | .1 | | | | | 13.6 | 11.0 |
| W | 1.1 | 2.0 | 2.2 | 1.3 | .4 | | | | | | | 7.0 | 8.0 |
| WNW | .2 | .4 | .6 | .6 | .1 | | | | | | | 1.9 | 9.3 |
| NW | .4 | .8 | .5 | .3 | .1 | .0 | | | | | | 2.0 | 7.6 |
| NNW | .2 | .2 | .0 | .1 | | | | | | | | .6 | 5.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.9 | |
| | 9.7 | 21.8 | 33.6 | 24.2 | 5.7 | .4 | .1 | | | | | 100.0 | 8.6 |

TOTAL NUMBER OF OBSERVATIONS 2694

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 1800-2000 (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 | .4 | .6 | .3 | .1 | | | | | | | | 1.4 | 5.4 |
| NNE | .6 | .3 | .1 | .1 | .0 | | | | | | | 1.0 | 5.3 |
| NE | .4 | .4 | .1 | | .0 | | | | | | | 1.0 | 5.0 |
| ENE | .0 | .2 | .1 | .1 | | | | | | | | .4 | 8.0 |
| E | .5 | .3 | .2 | .0 | | | | | | | | 1.0 | 4.5 |
| ESE | .1 | .2 | .2 | .2 | | | | | | | | .6 | 8.5 |
| SE | .9 | .5 | .4 | .2 | | | | | | | | 2.0 | 5.5 |
| SSE | .4 | .3 | .3 | | | .0 | | | | | | 1.1 | 5.6 |
| S | 1.7 | 2.8 | 2.1 | .5 | | | | | | | | 7.2 | 5.9 |
| SSW | 1.1 | 4.4 | 5.6 | 2.7 | .4 | | | | | | | 15.1 | 8.1 |
| SW | 2.4 | 7.5 | 11.7 | 7.5 | 1.9 | .2 | | | | | | 31.3 | 9.0 |
| WSW | 1.0 | 3.9 | 0.8 | 5.6 | .8 | | | .0 | | | | 13.1 | 9.4 |
| W | 1.1 | 3.5 | 2.7 | .9 | .3 | | | | | | | 8.6 | 7.2 |
| WNW | .4 | 1.2 | .6 | .3 | .1 | | | | | | | 2.5 | 7.0 |
| NW | .3 | .4 | .4 | .4 | .1 | | | | | | | 1.6 | 8.3 |
| NNW | .1 | .2 | .2 | .0 | .0 | | | | | | | .6 | 6.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 6.6 | |
| | 11.4 | 26.7 | 32.6 | 13.6 | 3.7 | .2 | | .0 | | | | 100.0 | 7.6 |

TOTAL NUMBER OF OBSERVATIONS 2498

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 2100-2300 (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 | 1.6 | 1.8 | 1.4 | .1 | | | | | | | | 4.9 | 5.3 |
| NNE | .6 | .7 | .2 | .2 | .0 | | | | | | | 1.8 | 5.7 |
| NE | .8 | .7 | .1 | .1 | .0 | | | | | | | 1.8 | 4.9 |
| ENE | .6 | .3 | .1 | | | | | | | | | .9 | 4.1 |
| E | .6 | .4 | .2 | | | | | | | | | 1.3 | 4.1 |
| ESE | .3 | .1 | .1 | | | | | | | | | .6 | 4.3 |
| SE | .6 | .4 | .3 | .0 | .0 | | | | | | | 1.3 | 5.4 |
| SSE | .3 | .2 | .2 | | | | | | | | | .6 | 4.5 |
| S | 1.7 | 2.0 | 1.1 | .2 | .1 | | | | | | | 5.1 | 5.4 |
| SSW | 2.0 | 3.5 | 4.3 | 1.4 | | | | | | | | 11.2 | 7.0 |
| SW | 2.2 | 7.4 | 11.4 | 3.6 | .2 | | | | | | | 24.8 | 7.6 |
| WSW | 1.6 | 4.3 | 4.6 | 1.6 | .2 | .1 | | | | | | 12.5 | 7.4 |
| W | 1.9 | 5.9 | 1.9 | .2 | .1 | .0 | | | | | | 10.0 | 5.5 |
| WNW | .6 | 1.7 | .7 | .2 | | | | | | | | 3.1 | 5.7 |
| NW | 1.3 | 1.2 | 1.2 | .2 | .1 | .1 | | | | | | 4.1 | 6.2 |
| NNW | 1.0 | 1.4 | .3 | .2 | | | | | | | | 2.9 | 4.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 13.1 | |
| | 17.6 | 32.0 | 28.3 | 8.0 | .8 | .2 | | | | | | 100.0 | 5.6 |

TOTAL NUMBER OF OBSERVATIONS 2494

DATA PROCESSING BRANCH
1 ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 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 | 2.4 | 3.7 | 1.3 | .2 | | | | | | | | 7.6 | 4.9 |
| NNE | 1.5 | 1.2 | .4 | .1 | | | | | | | | 3.1 | 4.2 |
| NE | 2.0 | 1.8 | .2 | | | | | | | | | 4.0 | 3.6 |
| ENE | .5 | .6 | .0 | | | | | | | | | 1.2 | 3.6 |
| E | 1.4 | .8 | .5 | .0 | | | | | | | | 2.7 | 4.4 |
| ESE | .4 | .6 | .2 | .0 | | | | | | | | 1.2 | 4.9 |
| SE | 1.0 | .8 | .2 | .0 | .0 | | | | | | | 2.1 | 4.3 |
| SSE | .8 | .6 | .1 | | .0 | | | | | | | 1.6 | 4.4 |
| S | 2.1 | 3.1 | 1.7 | .1 | | | | | | | | 7.1 | 5.1 |
| SSW | 2.0 | 3.9 | 6.0 | 2.1 | .1 | | | | | | | 14.1 | 7.4 |
| SW | 2.2 | 5.3 | 9.0 | 3.7 | .2 | | | | | | | 20.4 | 7.9 |
| WSW | 1.0 | 2.1 | 1.8 | .5 | .1 | | | | | | | 5.5 | 6.9 |
| W | .9 | 1.0 | .5 | .1 | | | | | | | | 2.4 | 4.9 |
| WNW | .7 | .4 | .1 | | | | | | | | | 1.2 | 3.7 |
| NW | .9 | 1.6 | .7 | .1 | | | | | | | | 3.3 | 5.1 |
| NNW | .6 | 1.3 | .5 | .1 | | | | | | | | 2.6 | 5.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 19.8 | |
| | 20.4 | 29.1 | 23.1 | 7.0 | .5 | | | | | | | 100.0 | 4.9 |

TOTAL NUMBER OF OBSERVATIONS 2383

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) JUN (MONTH)

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 | 5.7 | 7.1 | 1.6 | .1 | | | | | | | | 14.4 | 4.3 |
| NNE | 1.9 | 2.3 | .3 | .1 | .1 | | | | | | | 4.7 | 4.3 |
| NE | 2.9 | 1.6 | .1 | | .0 | | | | | | | 4.7 | 3.6 |
| ENE | .6 | .5 | .1 | .1 | | | | | | | | 1.3 | 4.5 |
| E | 1.1 | 1.1 | .0 | .1 | .0 | | | | | | | 2.4 | 4.3 |
| ESE | .3 | .4 | .1 | | | | | | | | | .8 | 4.3 |
| SE | .9 | .6 | .1 | | | | | | | | | 1.6 | 3.6 |
| SSE | .8 | .8 | .1 | .0 | | | | | | | | 1.8 | 4.0 |
| S | 1.8 | 2.5 | 1.4 | .2 | | | | | | | | 5.8 | 5.2 |
| SSW | 1.3 | 2.6 | 3.5 | .8 | | | | | | | | 8.3 | 6.9 |
| SW | 2.0 | 3.9 | 4.3 | 1.1 | .1 | | | | | | | 11.5 | 6.8 |
| WSW | .5 | 1.3 | 1.0 | .2 | | | | | | | | 3.0 | 6.1 |
| W | 1.5 | 1.1 | .3 | | | | | | | | | 2.9 | 3.9 |
| WNW | 1.0 | .3 | .0 | | | | | | | | | 1.4 | 3.2 |
| NW | 2.4 | 1.8 | .4 | .0 | | | | | | | | 4.7 | 4.0 |
| NNW | 2.2 | 2.9 | .8 | | .0 | | | | | | | 6.0 | 4.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 24.9 | |
| | 27.0 | 30.9 | 14.1 | 2.2 | .3 | | | | | | | 100.0 | 3.7 |

TOTAL NUMBER OF OBSERVATIONS 2382

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 0600-0800 (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 | 7.4 | 7.0 | .8 | .0 | | | | | | | | 15.2 | 3.8 |
| NNE | 2.9 | 2.7 | .4 | .3 | | | | | | | | 6.3 | 4.3 |
| NE | 4.9 | 2.8 | .3 | | .0 | | | | | | | 8.0 | 3.5 |
| ENE | 2.2 | 1.4 | .3 | | | | | | | | | 3.9 | 3.6 |
| E | 3.7 | 1.9 | .3 | .1 | | | | | | | | 6.0 | 3.5 |
| ESE | 1.2 | .7 | .1 | .0 | | | | | | | | 2.0 | 3.6 |
| SE | 1.5 | 1.2 | .0 | | | | | | | | | 2.7 | 3.4 |
| SSE | .5 | .6 | .0 | .0 | | | | | | | | 1.2 | 4.5 |
| S | 1.0 | 1.8 | .7 | .1 | | | | | | | | 3.6 | 4.8 |
| SSW | .5 | 1.6 | 2.2 | .3 | | | | | | | | 4.9 | 7.3 |
| SW | 1.4 | 1.9 | 2.4 | .4 | | | | | | | | 6.0 | 6.3 |
| WSW | .5 | .3 | .6 | .1 | | | | | | | | 1.4 | 5.8 |
| W | .5 | .5 | .3 | | | | | | | | | 1.3 | 4.4 |
| WNW | .5 | .5 | .1 | | | | | | | | | 1.1 | 4.0 |
| NW | 1.6 | 1.3 | .3 | | | | | | | | | 3.1 | 3.8 |
| NNW | 2.3 | 2.2 | .3 | .1 | | | | | | | | 5.0 | 4.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 28.4 | |
| | 32.4 | 28.5 | 9.0 | 1.7 | .0 | | | | | | | 100.0 | 3.1 |

TOTAL NUMBER OF OBSERVATIONS 2382

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) JUN (MONTH)

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 | 1.0 | .5 | .3 | .2 | | | | | | | | 2.0 | 4.6 |
| NNE | .3 | .5 | .3 | .0 | | | | | | | | 1.0 | 5.7 |
| NE | 1.7 | 1.7 | .3 | | | | | | | | | 3.7 | 3.9 |
| ENE | 1.1 | 1.6 | .3 | .0 | .0 | | | | | | | 3.1 | 4.4 |
| E | 4.2 | 3.1 | .9 | .3 | | | | | | | | 8.6 | 4.2 |
| ESE | 2.0 | 2.1 | .9 | .1 | | | | | | | | 5.0 | 4.6 |
| SE | 3.6 | 3.9 | 1.3 | .1 | | | | | | | | 8.9 | 4.5 |
| SSE | 1.8 | 2.5 | .7 | | | | | | | | | 5.0 | 4.4 |
| S | 3.9 | 4.8 | 2.5 | .5 | | | | | | | | 11.7 | 5.2 |
| SSW | 1.8 | 3.9 | 3.5 | 1.8 | .0 | | | | | | | 11.0 | 7.0 |
| SW | 2.7 | 3.8 | 3.4 | 1.7 | | | | | | | | 11.6 | 6.6 |
| WSW | .8 | 1.2 | .8 | .2 | | | | | | | | 3.1 | 5.9 |
| W | 1.0 | .6 | .3 | .1 | | | | | | | | 1.9 | 4.3 |
| WNW | .3 | .0 | .1 | | | | | | | | | .4 | 4.4 |
| NW | .7 | .1 | .1 | .0 | | | | | | | | 1.0 | 3.0 |
| NNW | .4 | .2 | .1 | | | | | | | | | .7 | 3.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 21.2 | |
| | 27.2 | 30.6 | 15.9 | 5.2 | .1 | | | | | | | 100.0 | 4.1 |

TOTAL NUMBER OF OBSERVATIONS 2382

USAFETAC FORM 0-8-5 (OL-A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

| 23111 | LUKE AFB ARIZONA/PHOENIX | 42-46,51-72 | JUN |
|---|---|---|---|
| STATION | STATION NAME | YEARS | MONTH |

ALL WEATHER
CLASS

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 | .5 | .3 | .1 | .1 | | | | | | | | 1.0 | 4.4 |
| NNE | .2 | .3 | .0 | | | | | | | | | .6 | 4.4 |
| NE | .4 | .4 | .2 | | | | | | | | | 1.0 | 4.5 |
| ENE | .2 | .4 | .3 | | | | | | | | | 1.0 | 5.4 |
| E | .7 | 1.2 | .5 | .2 | | | | | | | | 2.6 | 5.3 |
| ESE | .4 | 1.2 | .7 | .0 | | | | | | | | 2.3 | 6.0 |
| SE | 2.3 | 2.9 | 1.3 | .1 | | .0 | | | | | | 6.6 | 5.1 |
| SSE | .9 | 2.9 | 1.6 | .3 | | | | | | | | 5.8 | 5.9 |
| S | 2.6 | 5.2 | 5.2 | 1.3 | .1 | | | | | | | 14.4 | 6.6 |
| SSW | 1.5 | 5.0 | 6.4 | 2.9 | .1 | | | | | | | 15.9 | 7.8 |
| SW | 3.1 | 6.5 | 8.3 | 3.7 | .4 | .0 | | | | | | 22.2 | 7.6 |
| WSW | .9 | 3.2 | 3.1 | 1.6 | .1 | | | | | | | 8.9 | 7.6 |
| W | 1.0 | 2.4 | 1.4 | .4 | .0 | | | | | | | 5.2 | 6.0 |
| WNW | .4 | .5 | .2 | .0 | | | | | | | | 1.1 | 5.2 |
| NW | .7 | .9 | .4 | .1 | | | | | | | | 2.0 | 5.0 |
| NNW | .2 | .3 | .0 | .0 | | | | | | | | .6 | 4.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 6.7 | |
| | 16.1 | 33.6 | 30.0 | 10.7 | .8 | .1 | | | | | | 100.0 | 6.2 |

TOTAL NUMBER OF OSSERVATIONS 2382

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 1500-1700 (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 | .4 | .5 | .1 | .0 | | | | | | | | 1.0 | 4.8 |
| NNE | .2 | .1 | .0 | .1 | | | | | | | | .4 | 6.7 |
| NE | .3 | .2 | .1 | | | | | | | | | .7 | 4.9 |
| ENE | .1 | .0 | .2 | .2 | | | | | | | | .5 | 9.2 |
| E | .4 | .4 | .1 | .0 | | | | | | | | .9 | 4.7 |
| ESE | .1 | .1 | .3 | .1 | | | | | | | | .5 | 8.5 |
| SE | .6 | .6 | .5 | .2 | | | | | | | | 1.9 | 5.8 |
| SSE | .3 | 1.0 | .9 | .1 | | | | | | | | 2.3 | 6.6 |
| S | 1.3 | 3.7 | 4.2 | 2.1 | .1 | | | | | | | 11.4 | 7.6 |
| SSW | .8 | 2.9 | 8.0 | 5.7 | .5 | | | | | | | 17.9 | 9.6 |
| SW | 2.6 | 5.6 | 12.2 | 10.6 | 1.8 | .3 | | | | | | 33.0 | 9.7 |
| WSW | .5 | 2.4 | 5.2 | 4.5 | .8 | .0 | | | | | | 13.5 | 10.0 |
| W | .6 | 1.9 | 3.6 | 1.9 | .1 | .0 | | | | | | 8.1 | 8.4 |
| WNW | .2 | .5 | .4 | .2 | | | | | | | | 1.3 | 7.2 |
| NW | .3 | .5 | .2 | .1 | .0 | | | | | | | 1.2 | 6.4 |
| NNW | .3 | .3 | .1 | .1 | .1 | | | | | | | .8 | 6.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.2 | |
| | 8.8 | 20.9 | 36.2 | 26.0 | 3.4 | .4 | | | | | | 100.0 | 8.6 |

TOTAL NUMBER OF OBSERVATIONS 2385

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 1800-2000 (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 | .3 | .2 | .2 | .2 | .2 | .0 | | | | | | 1.1 | 9.4 |
| NNE | .1 | .1 | .2 | .1 | .2 | | | | | | | .7 | 10.4 |
| NE | .2 | .2 | | .0 | | | | | | | | .4 | 5.1 |
| ENE | .0 | .1 | .1 | .0 | | | | | | | | .3 | 7.4 |
| E | .2 | .4 | .2 | .1 | .0 | | | | | | | .9 | 6.4 |
| ESE | .2 | .2 | .1 | | .0 | | | | | | | .5 | 5.9 |
| SE | .4 | .6 | .2 | .0 | | .0 | | | | | | 1.3 | 5.6 |
| SSE | .3 | .3 | .2 | .1 | | | | | | | | .9 | 5.2 |
| S | 1.4 | 2.5 | 2.3 | .8 | .1 | .0 | .0 | | | | | 7.2 | 7.0 |
| SSW | .8 | 3.9 | 6.7 | 4.3 | .3 | | | | | | | 15.9 | 8.8 |
| SW | 2.6 | 7.9 | 14.3 | 7.7 | .9 | .2 | | | | | | 33.7 | 8.7 |
| WSW | .8 | 4.1 | 8.4 | 4.7 | .3 | .2 | .0 | | | | | 18.5 | 9.0 |
| W | 1.1 | 3.9 | 3.9 | 1.0 | .1 | | | | | | | 10.1 | 6.9 |
| WNW | .2 | .7 | .8 | .3 | .0 | | | | | | | 2.0 | 7.4 |
| NW | .4 | .4 | .3 | .2 | | | | | | | | 1.2 | 6.0 |
| NNW | .3 | .2 | .1 | .1 | .1 | | .0 | | | | | .8 | 8.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.6 | |
| | 9.2 | 25.8 | 38.0 | 19.5 | 2.2 | .5 | .1 | | | | | 100.0 | 7.9 |

TOTAL NUMBER OF OBSERVATIONS 2384

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 2100-2300 (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 | 1.4 | 1.3 | .6 | | .1 | | | | | | | 3.4 | 4.9 |
| NNE | .5 | .5 | .5 | .1 | .1 | | | | | | | 1.7 | 6.5 |
| NE | .7 | .3 | .2 | | | | | | | | | 1.2 | 3.9 |
| ENE | .1 | .3 | .1 | .0 | | | | | | | | .6 | 5.5 |
| E | .4 | .4 | .1 | | | | | | | | | 1.0 | 4.3 |
| ESE | .3 | .3 | .1 | .2 | .0 | | | | | | | .9 | 7.0 |
| SE | .5 | .5 | .4 | .1 | | .0 | | | | | | 1.6 | 6.3 |
| SSE | .2 | .3 | .1 | .1 | .0 | | | | | | | .8 | 6.8 |
| S | 1.3 | 2.1 | .8 | .1 | | | | | | | | 4.3 | 4.9 |
| SSW | 1.2 | 3.4 | 4.4 | 2.1 | .1 | | | | | | | 11.2 | 7.6 |
| SW | 3.8 | 7.9 | 11.7 | 4.1 | .5 | .0 | | | | | | 28.1 | 7.6 |
| WSW | 2.0 | 5.2 | 4.4 | 1.8 | .1 | | | | | | | 13.4 | 6.6 |
| W | 2.5 | 5.4 | 1.5 | .3 | .0 | | | | | | | 9.6 | 5.0 |
| WNW | .8 | 1.3 | .6 | .0 | | | | | | | | 2.8 | 5.0 |
| NW | 1.2 | 2.0 | 1.0 | .1 | | | | | | | | 4.2 | 5.3 |
| NNW | .8 | .8 | .2 | | | | | | | | | 1.8 | 4.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 13.6 | |
| | 17.7 | 32.0 | 26.5 | 9.1 | 1.0 | .1 | | | | | | 100.0 | 5.6 |

TOTAL NUMBER OF OBSERVATIONS 2385

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 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 | 2.0 | 3.2 | 1.6 | .2 | .1 | | | | | | | 7.1 | 5.5 |
| NNE | .8 | 1.5 | .5 | .1 | | | | | | | | 2.9 | 5.0 |
| NE | 2.3 | 1.4 | .7 | .3 | | | | | | | | 4.7 | 4.6 |
| ENE | .7 | 1.0 | .3 | .1 | | | | | | | | 2.1 | 5.2 |
| E | 1.7 | 2.1 | 1.0 | .3 | | | .0 | | | | | 5.2 | 5.6 |
| ESE | .6 | .7 | .9 | .4 | .1 | | .0 | | | | | 2.8 | 7.4 |
| SE | 1.6 | 1.6 | 1.0 | .5 | .1 | | | | | | | 4.7 | 6.0 |
| SSE | .6 | .7 | .7 | .0 | | | | | | | | 2.1 | 5.4 |
| S | 1.1 | 2.5 | 2.2 | .3 | .0 | | | | | | | 6.2 | 6.2 |
| SSW | .9 | 2.3 | 3.4 | 1.6 | .3 | | | | | | | 8.6 | 8.0 |
| SW | 2.3 | 4.3 | 6.8 | 3.8 | .2 | .1 | .0 | | | | | 17.5 | 8.2 |
| WSW | .9 | 1.6 | 1.8 | .7 | .1 | .0 | | | | | | 5.2 | 7.4 |
| W | .8 | 1.6 | .8 | .2 | .0 | | | | | | | 3.5 | 5.7 |
| WNW | .4 | .6 | .2 | .0 | | | | | | | | 1.3 | 4.8 |
| NW | 1.5 | 1.3 | .9 | .2 | .0 | | | | | | | 3.8 | 5.2 |
| NNW | .6 | 1.5 | .9 | .1 | | | | | | | | 3.0 | 5.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 19.5 | |
| | 18.7 | 27.9 | 23.8 | 8.9 | 1.0 | .2 | .1 | | | | | 100.0 | 5.3 |

TOTAL NUMBER OF OBSERVATIONS 2442

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) JUL (MONTH)

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 | 3.1 | 5.0 | 1.2 | .1 | | | | | | | | 9.5 | 4.5 |
| NNE | 1.9 | 1.8 | .4 | .0 | | | | | | | | 4.1 | 4.1 |
| NE | 3.0 | 2.6 | .6 | | | | | | | | | 6.2 | 4.1 |
| ENE | .6 | 1.0 | .5 | | | | | | | | | 2.1 | 4.8 |
| E | 1.4 | 2.1 | 1.1 | .2 | | | | | | | | 4.8 | 5.1 |
| ESE | 1.1 | .6 | .3 | | | | | | | | | 2.0 | 3.9 |
| SE | 1.4 | 1.0 | .2 | .2 | .1 | | | | | | | 2.8 | 5.0 |
| SSE | .6 | 1.0 | .2 | .0 | | | | | | | | 1.7 | 4.3 |
| S | 1.7 | 2.8 | 1.4 | .2 | | | | | | | | 6.1 | 5.2 |
| SSW | 1.7 | 2.2 | 3.1 | 1.1 | .0 | | | | | | | 8.2 | 6.8 |
| SW | 2.3 | 3.5 | 4.4 | 1.8 | .2 | | | | | | | 12.3 | 7.2 |
| WSW | .7 | 1.2 | .6 | .3 | .1 | | | | | | | 2.9 | 6.4 |
| W | 1.1 | 1.4 | .5 | .1 | .0 | | | | | | | 3.1 | 4.9 |
| WNW | .7 | .6 | .1 | | | | | | | | | 1.5 | 3.8 |
| NW | 1.4 | 1.4 | .5 | | | | | | | | | 3.3 | 4.3 |
| NNW | 1.7 | 2.3 | .6 | .0 | | | | | | | | 4.6 | 4.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 24.8 | |
| | 24.4 | 30.5 | 15.6 | 4.2 | .5 | | | | | | | 100.0 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 2413

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 0600-0800 (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 | 4.6 | 5.2 | 1.6 | | | | | | | | | 11.4 | 4.3 |
| NNE | 2.1 | 1.7 | .5 | | | | | | | | | 4.3 | 3.9 |
| NE | 4.0 | 2.9 | .5 | .1 | | | | | | | | 7.5 | 3.8 |
| ENE | 1.8 | 1.5 | .2 | | | | | | | | | 3.5 | 3.8 |
| E | 2.4 | 1.8 | .5 | .1 | | | | | | | | 4.8 | 4.0 |
| ESE | .8 | 1.0 | .6 | | | | | | | | | 2.4 | 4.7 |
| SE | 1.2 | 1.1 | .2 | | | | | | | | | 2.5 | 4.0 |
| SSE | .6 | .7 | .1 | | | | | | | | | 1.5 | 4.1 |
| S | 1.9 | 2.2 | 1.1 | .1 | | | | | | | | 5.3 | 5.0 |
| SSW | .7 | 1.8 | 2.6 | 1.2 | .1 | .0 | | | | | | 6.3 | 7.6 |
| SW | 1.8 | 2.2 | 3.0 | 1.9 | .0 | | | | | | | 8.9 | 7.5 |
| WSW | .8 | 1.1 | 1.0 | .4 | | | | | | | | 3.3 | 6.1 |
| W | 1.0 | 1.0 | .3 | .0 | | | | | | | | 2.3 | 4.3 |
| WNW | .6 | .4 | .0 | | | | | | | | | 1.0 | 3.4 |
| NW | 1.6 | 1.3 | .2 | .0 | | | | | | | | 3.1 | 3.8 |
| NNW | 1.4 | 2.4 | .4 | .0 | | | | | | | | 4.3 | 4.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 27.8 | |
| | 27.2 | 28.3 | 12.9 | 3.7 | .1 | .0 | | | | | | 100.0 | 3.6 |

TOTAL NUMBER OF OBSERVATIONS 2492

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) JUL (MONTH)

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 | 1.1 | 1.6 | .4 | | | | | | | | | 3.1 | 4.4 |
| NNE | .7 | 1.3 | .2 | | | | | | | | | 2.2 | 4.3 |
| NE | 2.2 | 1.6 | .4 | | | | | | | | | 4.1 | 3.9 |
| ENE | 1.2 | 1.5 | .3 | | | | | | | | | 3.0 | 4.1 |
| E | 2.0 | 3.3 | 1.2 | .3 | | | | | | | | 6.8 | 5.2 |
| ESE | .9 | 1.6 | 1.1 | .3 | .0 | | | | | | | 3.9 | 5.9 |
| SE | 2.4 | 2.4 | 1.2 | .0 | | | | | | | | 6.0 | 4.5 |
| SSE | 1.2 | 1.7 | 1.2 | .0 | | | | | | | | 4.1 | 5.2 |
| S | 2.3 | 4.6 | 2.7 | .6 | | | | | | | | 10.2 | 5.7 |
| SSW | 1.2 | 3.1 | 4.3 | 2.7 | .1 | | | | | | | 11.5 | 7.9 |
| SW | 3.1 | 4.4 | 4.1 | 2.5 | .2 | | | | | | | 14.3 | 7.1 |
| WSW | 1.5 | 1.3 | 1.1 | .4 | .1 | | | | | | | 4.4 | 5.9 |
| W | 1.1 | 1.4 | .3 | | .0 | | | | | | | 2.9 | 4.3 |
| WNW | .5 | .5 | .1 | | | | | | | | | 1.1 | 3.7 |
| NW | .9 | .4 | | .0 | | | | | | | | 1.4 | 3.4 |
| NNW | .5 | .2 | .1 | .0 | | | | | | | | .8 | 4.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 20.2 | |
| | 23.0 | 30.9 | 18.5 | 7.0 | .4 | | | | | | | 100.0 | 4.6 |

TOTAL NUMBER OF OBSERVATIONS 2483

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 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 | .5 | .6 | .3 | .0 | | | | | | | | 1.5 | 5.1 |
| NNE | .4 | .5 | .2 | .0 | | | | | | | | 1.1 | 4.9 |
| NE | .8 | .8 | .2 | .0 | | | | | | | | 1.8 | 4.6 |
| ENE | .1 | .6 | .2 | | | | | | | | | .8 | 5.3 |
| E | 1.2 | 1.4 | .8 | .2 | | | | | | | | 3.6 | 5.3 |
| ESE | .5 | 1.0 | .6 | .2 | | | | | | | | 2.2 | 6.1 |
| SE | 1.3 | 2.2 | 1.4 | .1 | | | | | | | | 5.0 | 5.4 |
| SSE | .9 | 2.0 | .9 | .3 | .0 | | | | | | | 4.2 | 5.7 |
| S | 2.1 | 6.2 | 6.0 | 1.5 | | | | | | | | 15.8 | 6.6 |
| SSW | 1.2 | 4.4 | 6.9 | 4.9 | .2 | | | | | | | 17.6 | 8.7 |
| SW | 3.1 | 7.0 | 7.7 | 2.9 | .3 | .0 | | | | | | 21.0 | 7.2 |
| WSW | 1.0 | 3.2 | 2.2 | .5 | .0 | | | | | | | 6.9 | 6.5 |
| W | 1.6 | 2.5 | .9 | .1 | | | | | | | | 5.1 | 5.0 |
| WNW | .5 | .8 | .3 | | | | | | | | | 1.5 | 4.4 |
| NW | .4 | .8 | .4 | | | | | | | | | 1.6 | 5.1 |
| NNW | .2 | .3 | .1 | | | | | | | | | .6 | 4.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 9.7 | |
| | 15.7 | 34.3 | 28.9 | 10.8 | .6 | .0 | | | | | | 100.0 | 6.0 |

TOTAL NUMBER OF OBSERVATIONS 2493

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 1500-1700 (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 | .4 | .5 | .4 | .2 | .1 | | | | | | | 1.5 | 6.8 |
| NNE | .1 | .2 | .2 | .2 | .0 | | | | | | | .7 | 9.2 |
| NE | .5 | .6 | .1 | | | | | | | | | 1.2 | 4.3 |
| ENE | .2 | .2 | .1 | .1 | .1 | | | | | | | .7 | 7.9 |
| E | .4 | .4 | .4 | .0 | .0 | .0 | | | | | | 1.2 | 6.6 |
| ESE | .2 | .4 | .3 | .1 | | | | | | | | 1.0 | 6.4 |
| SE | .8 | 1.1 | 1.0 | .2 | | | | | | | | 3.2 | 6.0 |
| SSE | .6 | 1.2 | 1.2 | .2 | | | | | | | | 3.2 | 6.4 |
| S | 1.8 | 4.7 | 5.5 | 2.2 | .0 | | | | | | | .2 | 7.4 |
| SSW | 1.2 | 3.8 | 7.7 | 7.8 | .8 | .0 | | | | | | .4 | 9.6 |
| SW | 2.5 | 5.5 | 11.7 | 6.7 | .8 | | | | | | | 27.1 | 8.8 |
| WSW | .6 | 1.9 | 4.4 | 2.3 | .1 | | | | | | | 9.3 | 8.8 |
| W | 1.2 | 2.1 | 2.4 | 1.0 | | | | | | | | 6.6 | 6.8 |
| WNW | .3 | .6 | .2 | | | | | | | | | 1.2 | 5.3 |
| NW | .4 | .8 | .4 | .2 | .0 | | | | | | | 1.9 | 6.3 |
| NNW | .2 | .4 | | .2 | .0 | | | | | | | .8 | 6.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.6 | |
| | 11.3 | 24.4 | 36.1 | 21.4 | 3.1 | .1 | | | | | | 100.0 | 7.8 |

TOTAL NUMBER OF OBSERVATIONS 2495

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 1800-2000 (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 | .4 | .6 | .8 | .9 | .3 | .1 | .0 | .1 | | | | 3.2 | 10.9 |
| NNE | .1 | .3 | .6 | .6 | .3 | .2 | .1 | | | | | 2.1 | 13.0 |
| NE | .7 | .4 | .7 | .4 | .2 | .1 | | | | | | 2.5 | 8.4 |
| ENE | .4 | .4 | .2 | .3 | .2 | .1 | | | | | | 1.6 | 9.0 |
| E | .9 | .8 | .4 | .3 | .0 | .0 | | | | | | 2.4 | 6.3 |
| ESE | .1 | .7 | .4 | .1 | .2 | | | | | | | 1.5 | 7.7 |
| SE | .9 | 1.2 | 1.1 | .5 | | | .0 | | | | | 3.7 | 6.8 |
| SSE | .3 | 1.0 | .7 | .3 | | .0 | | .0 | | | | 2.3 | 7.4 |
| S | 2.1 | 3.9 | 3.. | .8 | .1 | | | | | | | 10.0 | 6.4 |
| SSW | 1.2 | 3.7 | 8.0 | 4.5 | .2 | .0 | .0 | | | | | 17.8 | 8.7 |
| SW | 2.8 | 5.6 | 11.0 | 4.3 | .3 | .1 | .0 | | | | | 24.2 | 8.1 |
| WSW | .4 | 3.1 | 5.3 | 2.0 | .0 | | | | | | | 10.9 | 8.1 |
| W | .8 | 2.0 | 2.6 | .6 | .0 | | | | | | | 6.1 | 7.1 |
| WNW | .2 | .6 | .5 | .2 | | | | | | | | 1.5 | 7.3 |
| NW | .5 | .6 | .6 | .4 | .1 | | | | | | | 2.2 | 7.3 |
| NNW | .2 | .3 | .4 | .2 | .1 | | | | | | | 1.1 | 8.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 6.6 | |
| | 12.2 | 25.2 | 36.4 | 16.4 | 2.1 | .7 | .2 | .1 | | | | 100.0 | 7.5 |

TOTAL NUMBER OF OBSERVATIONS 2488

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 2100-2300 (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 | 1.1 | 1.7 | 1.3 | .6 | .1 | | | | | | | 4.8 | 6.6 |
| NNE | .3 | .5 | .7 | .6 | .3 | .0 | .0 | | | | | 2.5 | 9.9 |
| NE | 1.3 | 1.1 | .7 | .6 | .1 | .0 | | | | | | 3.8 | 6.6 |
| ENE | .3 | .7 | .4 | .1 | .0 | | | | | | | 1.6 | 6.3 |
| E | .6 | .9 | .6 | .6 | .2 | | | | | | | 2.9 | 7.7 |
| ESE | .5 | .5 | .6 | .4 | .0 | .1 | | | | | | 2.2 | 7.9 |
| SE | .8 | 1.5 | 1.9 | .8 | .2 | | | | | | | 5.1 | 7.6 |
| SSE | .3 | .5 | .8 | .3 | .1 | | | | | | | 2.0 | 7.7 |
| S | 1.3 | 2.0 | 1.3 | .2 | .2 | .0 | .0 | | | | | 5.0 | 6.2 |
| SSW | .5 | 2.8 | 3.0 | 1.3 | .2 | .0 | | | | | | 8.0 | 8.0 |
| SW | 2.7 | 5.9 | 8.8 | 3.8 | .5 | .2 | | | | | | 21.8 | 8.1 |
| WSW | 1.3 | 4.0 | 3.6 | 1.5 | .4 | | | | | | | 10.8 | 7.5 |
| W | 1.8 | 4.3 | 1.7 | .2 | .1 | .0 | | | | | | 8.1 | 5.5 |
| WNW | .9 | 1.2 | .5 | .1 | .1 | | | | | | | 2.7 | 5.1 |
| NW | .9 | 1.8 | 1.1 | .3 | .0 | .0 | | | | | | 4.1 | 6.2 |
| NNW | .5 | .8 | .4 | .4 | .0 | | | | | | | 2.0 | 7.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 12.6 | |
| | 15.1 | 30.2 | 27.3 | 11.5 | 2.6 | .5 | .1 | | | | | 100.0 | 6.4 |

TOTAL NUMBER OF OBSERVATIONS 2496

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 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 | 2.9 | 5.3 | 2.3 | .3 | .1 | | | | | | | 10.9 | 5.2 |
| NNE | 1.3 | 1.6 | .8 | .2 | .1 | | | | | | | 4.2 | 5.3 |
| NE | 2.4 | 2.1 | .7 | .3 | | | | | | | | 5.4 | 4.6 |
| ENE | .8 | .9 | .4 | .2 | | | | | | | | 2.2 | 5.2 |
| E | 1.7 | 2.2 | .7 | .0 | .0 | .0 | | | | | | 4.8 | 4.9 |
| ESE | .7 | .8 | .8 | .5 | .0 | | | | | | | 2.8 | 6.8 |
| SE | 1.2 | 1.5 | .7 | .3 | .2 | .0 | | | | | | 3.9 | 6.5 |
| SSE | .5 | .7 | .5 | .1 | | .0 | | | | | | 1.8 | 6.1 |
| S | 1.7 | 2.0 | 1.2 | .4 | | .0 | | | | | | 5.3 | 5.6 |
| SSW | 1.1 | 1.8 | 2.3 | .9 | | | | | | | | 6.1 | 7.1 |
| SW | 2.1 | 3.4 | 5.1 | 2.4 | .2 | | | | | | | 13.1 | 7.7 |
| WSW | .8 | .9 | 1.4 | .8 | .0 | | | | | | | 4.0 | 7.3 |
| W | 1.0 | 1.2 | .7 | .1 | | | | | | | | 3.0 | 5.2 |
| WNW | .6 | .7 | .2 | .2 | | .0 | | | | | | 1.7 | 5.8 |
| NW | 1.3 | 1.7 | .5 | .2 | | .0 | | | | | | 3.7 | 5.2 |
| NNW | 1.1 | 1.5 | .8 | .3 | | | | | | | | 3.7 | 5.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 23.2 | |
| | 21.0 | 28.5 | 19.2 | 7.2 | .7 | .2 | | | | | | 100.0 | 4.7 |

TOTAL NUMBER OF OBSERVATIONS 2413

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) AUG (MONTH)

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 | 4.3 | 7.7 | 1.9 | .2 | | | | | | | | 14.1 | 4.6 |
| NNE | 1.9 | 1.8 | .4 | .0 | | | | | | | | 4.1 | 4.0 |
| NE | 3.4 | 2.1 | .7 | .1 | | | | | | | | 6.4 | 4.1 |
| ENE | .8 | 1.1 | .2 | | | | | | | | | 2.2 | 4.3 |
| E | 1.9 | 1.7 | .5 | .2 | | | | | | | | 4.4 | 4.8 |
| ESE | .7 | .6 | .4 | .1 | | | | | | | | 1.7 | 5.2 |
| SE | 1.2 | 1.0 | .2 | .3 | .0 | .0 | | | | | | 2.8 | 5.4 |
| SSE | .5 | .4 | .2 | .0 | | | | | | | | 1.1 | 4.5 |
| S | 1.3 | 1.8 | .8 | .1 | | | | | | | | 4.0 | 5.1 |
| SSW | .8 | 1.7 | 1.7 | .3 | .1 | | | | | | | 4.6 | 6.6 |
| SW | 2.1 | 3.3 | 3.6 | 1.1 | .2 | | | | | | | 10.5 | 5.8 |
| WSW | .7 | .9 | 1.0 | .3 | | | | | | | | 2.9 | 6.3 |
| W | .8 | .7 | .2 | | | | | | | | | 1.7 | 4.6 |
| WNW | .4 | .7 | .1 | .0 | | | | | | | | 1.3 | 4.7 |
| NW | 1.5 | 1.9 | .5 | | | | | | | | | 3.9 | 4.1 |
| NNW | 1.8 | 3.2 | .6 | | | | | | | | | 5.6 | 4.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 28.7 | |
| | 24.2 | 30.6 | 13.2 | 2.9 | .3 | .0 | | | | | | 100.0 | 3.6 |

TOTAL NUMBER OF OBSERVATIONS 2411

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 0600-0800 (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 | 6.1 | 8.2 | 1.5 | .0 | | | | | | | | 15.8 | 4.2 |
| NNE | 2.5 | 3.1 | .6 | .1 | | | | | | | | 6.2 | 4.2 |
| NE | 4.5 | 3.0 | .5 | | | | | | | | | 8.0 | 3.6 |
| ENE | 1.3 | 1.5 | .1 | | | | | | | | | 2.9 | 3.9 |
| E | 2.1 | 1.7 | .5 | .0 | | | | | | | | 4.4 | 4.3 |
| ESE | 1.2 | 1.0 | .4 | .0 | | | | | | | | 2.5 | 4.4 |
| SE | 1.7 | 1.0 | .6 | .1 | | | | | | | | 3.5 | 4.5 |
| SSE | .6 | 1.0 | .2 | | | | | | | | | 1.8 | 4.5 |
| S | 1.8 | 1.3 | .5 | .0 | .1 | | | | | | | 3.8 | 4.5 |
| SSW | .3 | 1.4 | .9 | .4 | | | | | | | | 3.0 | 6.8 |
| SW | 1.8 | 2.0 | 1.8 | .5 | .1 | | | | | | | 6.3 | 6.4 |
| WSW | .5 | .7 | .3 | .3 | | | | | | | | 1.8 | 6.4 |
| W | .7 | 1.0 | .2 | .0 | | | | | | | | 2.1 | 4.6 |
| WNW | .5 | .7 | .2 | | | | | | | | | 1.3 | 4.0 |
| NW | 1.8 | 1.4 | .3 | | | | | | | | | 3.5 | 3.9 |
| NNW | 1.2 | 2.8 | .6 | | | | | | | | | 4.6 | 4.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 28.4 | |
| | 28.5 | 31.9 | 9.3 | 1.7 | .2 | | | | | | | 100.0 | 3.3 |

TOTAL NUMBER OF OBSERVATIONS 2409

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) AUG (MONTH)

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 | 1.8 | 1.9 | .4 | .1 | | | | | | | | 4.2 | 4.1 |
| NNE | 1.0 | .8 | .6 | .1 | | | | | | | | 2.5 | 4.8 |
| NE | 2.7 | 2.7 | .5 | .1 | | | | | | | | 6.0 | 4.2 |
| ENE | 1.4 | 1.9 | .9 | .1 | | | | | | | | 4.3 | 4.9 |
| E | 3.8 | 5.1 | 1.4 | .2 | .0 | | | | | | | 10.5 | 4.8 |
| ESE | 1.9 | 1.7 | 1.1 | .3 | .0 | | | | | | | 5.1 | 5.3 |
| SE | 3.2 | 3.4 | 1.2 | .1 | .0 | | | | | | | 8.0 | 4.8 |
| SSE | 1.1 | 1.7 | .7 | .1 | | | | | | | | 3.7 | 5.1 |
| S | 3.2 | 2.9 | 1.5 | .1 | .0 | | | | | | | 7.8 | 4.8 |
| SSW | 1.0 | 2.5 | 2.4 | .6 | | | | | | | | 6.5 | 6.6 |
| SW | 1.9 | 3.4 | 3.1 | 1.2 | .1 | | | | | | | 9.6 | 6.6 |
| WSW | .9 | .9 | .7 | .3 | | | | | | | | 2.8 | 5.8 |
| W | 1.3 | .7 | .3 | .1 | | | | | | | | 2.5 | 4.5 |
| WNW | .5 | .2 | .1 | | | | | | | | | .9 | 3.7 |
| NW | 1.0 | .6 | | .0 | | | | | | | | 1.7 | 3.4 |
| NNW | .4 | .8 | .2 | | | | | | | | | 1.4 | 4.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 22.7 | |
| | 27.2 | 31.3 | 15.1 | 3.6 | .2 | | | | | | | 100.0 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 2415

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 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 | 1.2 | .8 | .2 | .0 | | | | | | | | 2.3 | 4.2 |
| NNE | .3 | .2 | .2 | .0 | | | | | | | | .7 | 5.2 |
| NE | 1.1 | 1.2 | .4 | .0 | | | | | | | | 2.6 | 4.6 |
| ENE | .4 | .8 | .2 | .1 | | | | | | | | 1.5 | 5.1 |
| E | 1.8 | 1.4 | 1.4 | .3 | | | | | | | | 5.0 | 5.7 |
| ESE | .6 | 1.8 | 1.4 | .1 | | | | | | | | 4.0 | 6.0 |
| SE | 1.9 | 2.6 | 1.9 | .4 | .0 | | | | | | | 6.9 | 5.8 |
| SSE | 1.0 | 2.8 | 1.4 | .0 | | | | | | | | 5.2 | 5.3 |
| S | 3.6 | 6.0 | 4.4 | 1.0 | | | | | | | | 15.1 | 5.9 |
| SSW | 1.4 | 3.4 | 3.9 | 1.6 | .0 | | | | | | | 10.3 | 7.3 |
| SW | 2.8 | 7.7 | 5.3 | 1.3 | .1 | .0 | | | | | | 17.3 | 6.8 |
| WSW | 1.2 | 2.0 | 1.4 | .3 | .1 | | | | | | | 5.0 | 6.0 |
| W | 1.9 | 2.7 | 1.4 | .1 | | | | | | | | 6.1 | 5.1 |
| WNW | .4 | .5 | .4 | .0 | | | | | | | | 1.4 | 5.1 |
| NW | 1.1 | 1.2 | .3 | .0 | | | | | | | | 2.6 | 4.4 |
| NNW | .5 | .5 | .2 | .1 | | | | | | | | 1.2 | 4.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 12.6 | |
| | 21.1 | 35.7 | 24.6 | 5.7 | .3 | .0 | | | | | | 100.0 | 5.2 |

TOTAL NUMBER OF OBSERVATIONS 2416

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 1500-1700 (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 | 1.0 | .4 | .2 | .0 | | | | | | | 2.2 | 5.7 |
| NNE | .3 | .3 | .4 | .1 | .0 | | | | | | | 1.1 | 6.3 |
| NE | .7 | 1.0 | .3 | .1 | | .0 | | .0 | | | | 2.2 | 6.1 |
| ENE | .3 | .6 | .4 | | | | | .0 | | | | 1.3 | 6.2 |
| E | .7 | .9 | .4 | .1 | .0 | | | | | | | 2.2 | 5.7 |
| ESE | .3 | .7 | .6 | .2 | .1 | | | | | | | 1.8 | 7.2 |
| SE | 1.1 | 1.9 | 1.5 | .1 | | | .0 | | | | | 4.7 | 6.0 |
| SSE | .5 | 2.2 | 1.9 | .7 | .0 | .0 | | | | | | 5.3 | 7.1 |
| S | 2.5 | 6.7 | 5.5 | 1.9 | .1 | | | | | | | 16.8 | 6.8 |
| SSW | 1.2 | 3.6 | 7.0 | 4.6 | .3 | .1 | .0 | | | | | 16.8 | 9.1 |
| SW | 2.8 | 6.0 | 8.9 | 4.3 | .3 | .0 | | | | | | 22.4 | 8.0 |
| WSW | .9 | 1.8 | 2.4 | 1.2 | .2 | | | | | | | 6.4 | 7.8 |
| W | 1.7 | 1.9 | 1.2 | .5 | | | | | | | | 5.3 | 5.7 |
| WNW | .2 | .7 | .2 | .1 | | .0 | | | | | | 1.3 | 6.5 |
| NW | .5 | .7 | .2 | .4 | .2 | | | | | | | 1.9 | 7.4 |
| NNW | .2 | .4 | .3 | .1 | .1 | .0 | | | | | | 1.1 | 7.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.3 | |
| | 14.5 | 30.3 | 31.5 | 14.6 | 1.4 | .3 | .1 | .1 | | | | 100.0 | 6.9 |

TOTAL NUMBER OF OBSERVATIONS 2416

USAFETAC FORM 0-8-5 (OL-A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 1800-2000 (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 | .8 | 1.3 | 1.1 | .4 | .5 | .3 | .1 | | | | | 4.5 | 9.7 |
| NNE | .3 | .5 | .3 | .1 | .5 | .2 | .0 | | | | | 1.9 | 11.2 |
| NE | .8 | 1.0 | 1.0 | .2 | .1 | .2 | | | | | | 3.3 | 7.5 |
| ENE | .3 | .6 | .4 | .2 | .1 | .0 | .0 | | | | | 1.8 | 8.9 |
| E | 1.1 | 1.2 | .5 | .3 | .2 | .0 | | | | | | 3.4 | 6.6 |
| ESE | .3 | .9 | .6 | .2 | .0 | | | | | | | 2.1 | 6.8 |
| SE | 1.6 | 1.7 | 1.4 | .5 | .1 | | | | | | | 5.1 | 6.1 |
| SSE | 1.0 | 1.3 | 1.1 | .2 | .0 | | | | | | | 3.6 | 6.0 |
| S | 3.6 | 4.7 | 3.0 | .7 | .2 | | | | | | | 12.1 | 5.7 |
| SSW | 1.4 | 4.4 | 6.5 | 2.3 | .2 | | .1 | | | | | 14.9 | 7.9 |
| SW | 3.6 | 5.7 | 7.1 | 3.4 | .2 | | | | | | | 20.0 | 7.4 |
| WSW | .9 | 2.4 | 2.5 | .7 | .1 | .0 | .1 | | | | | 6.7 | 7.5 |
| W | .8 | 1.9 | .8 | .5 | .0 | | | | | | | 4.0 | 6.2 |
| WNW | .2 | .5 | .5 | .2 | .1 | .0 | | | | | | 1.6 | 7.8 |
| NW | .6 | .5 | .7 | .7 | .2 | .0 | | | | | | 2.7 | 8.5 |
| NNW | .2 | .4 | .4 | .3 | .1 | .1 | | | | | | 1.6 | 9.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.7 | |
| | 17.6 | 29.0 | 27.9 | 11.0 | 2.6 | 1.0 | .3 | | | | | 100.0 | 6.6 |

TOTAL NUMBER OF OBSERVATIONS 2416

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 2100-2300 (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 | 1.7 | 2.9 | 1.7 | .7 | .1 | | | | | | | 7.2 | 6.2 |
| NNE | .7 | 1.1 | .8 | .5 | .1 | .1 | .0 | | | | | 3.4 | 7.8 |
| NE | 1.5 | 1.5 | 1.2 | .6 | | .1 | .0 | | | | | 4.9 | 6.4 |
| ENE | .6 | .6 | .3 | .0 | .0 | | | | | | | 1.6 | 5.5 |
| E | 1.2 | 1.6 | .8 | .3 | | .0 | .0 | | | | | 4.0 | 6.3 |
| ESE | .3 | .8 | .9 | .6 | .1 | .1 | | | | | | 2.9 | 8.6 |
| SE | 1.2 | 1.9 | 1.1 | .5 | .2 | .1 | .0 | | | | | 5.0 | 7.3 |
| SSE | .6 | .7 | .3 | .3 | .1 | .0 | | | | | | 2.0 | 7.2 |
| S | 2.2 | 2.2 | 1.1 | .6 | .0 | .0 | | | | | | 6.2 | 5.8 |
| SSW | .9 | 2.8 | 2.3 | 1.0 | .1 | | | | | | | 7.0 | 7.1 |
| SW | 2.5 | 5.3 | 5.7 | 1.9 | .2 | .1 | | | | | | 15.7 | 7.2 |
| WSW | 1.2 | 1.9 | 2.7 | .7 | .2 | .0 | | | | | | 6.7 | 7.2 |
| W | 1.6 | 2.5 | 1.2 | .3 | .0 | | | | | | | 5.7 | 5.5 |
| WNW | .7 | 1.0 | .4 | .1 | .1 | | | | | | | 2.4 | 5.8 |
| NW | .9 | 1.7 | .8 | .3 | .2 | | | | | | | 4.0 | 6.3 |
| NNW | .5 | 1.2 | 1.2 | .4 | .2 | .0 | | | | | | 3.6 | 7.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 17.9 | |
| | 18.3 | 29.8 | 22.4 | 8.9 | 1.7 | .7 | .2 | | | | | 100.0 | 5.6 |

TOTAL NUMBER OF OBSERVATIONS 2416

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 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 | 6.6 | 11.1 | 4.2 | .2 | .1 | | | | | | | 22.3 | 5.0 |
| NNE | 1.5 | 2.6 | 1.0 | .3 | .1 | | | | | | | 5.6 | 5.5 |
| NE | 3.3 | 2.2 | .5 | .1 | | | | | | | | 6.2 | 4.1 |
| ENE | 1.3 | 1.0 | .3 | .0 | | | | | | | | 2.7 | 3.9 |
| E | 2.1 | .8 | .4 | .1 | | | | | | | | 3.3 | 4.1 |
| ESE | .4 | .4 | .4 | .1 | .0 | .0 | | | | | | 1.4 | 6.5 |
| SE | .6 | .6 | .3 | .1 | .0 | | | | | | | 1.6 | 5.6 |
| SSE | .6 | .5 | .1 | | .0 | .1 | | | | | | 1.3 | 5.7 |
| S | 1.3 | 1.5 | .6 | | .0 | | | | | | | 3.4 | 4.9 |
| SSW | .7 | 1.3 | 1.7 | .3 | .0 | | | | | | | 4.1 | 6.6 |
| SW | 1.3 | 1.8 | 2.8 | .7 | .1 | .0 | | | | | | 6.8 | 7.2 |
| WSW | .7 | .4 | .8 | .4 | | | | | | | | 2.3 | 6.7 |
| W | .8 | .9 | .4 | .0 | .0 | | | | | | | 2.1 | 5.0 |
| WNW | .3 | .3 | .3 | .0 | | | | | | | | .9 | 5.3 |
| NW | 1.4 | 1.6 | .6 | .0 | | | | | | | | 3.6 | 4.6 |
| NNW | 1.6 | 3.4 | 1.3 | .0 | | .0 | | | | | | 6.4 | 5.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 26.0 | |
| | 24.5 | 30.5 | 15.7 | 2.6 | .5 | .2 | | | | | | 100.0 | 3.9 |

TOTAL NUMBER OF OBSERVATIONS 2338

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) SEP (MONTH)

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 | 8.2 | 11.9 | 3.7 | .3 | | | | | | | | 24.1 | 4.6 |
| NNE | 2.4 | 2.6 | .9 | .1 | | | | | | | | 6.0 | 4.5 |
| NE | 3.3 | 2.3 | .3 | .3 | | | | | | | | 6.2 | 4.1 |
| ENE | .8 | 1.0 | .2 | | | | | | | | | 1.9 | 3.8 |
| E | 2.1 | 1.5 | .1 | | | | | | | | | 3.7 | 3.6 |
| ESE | .1 | .4 | .1 | .0 | | | | | | | | .7 | 5.6 |
| SE | .6 | .7 | .1 | .0 | | | | | | | | 1.4 | 4.7 |
| SSE | .3 | .6 | .1 | | | | | | | | | 1.1 | 4.5 |
| S | 1.3 | 1.0 | .6 | | | | | | | | | 2.8 | 4.5 |
| SSW | .3 | .8 | .8 | .2 | .0 | | | | | | | 2.1 | 7.2 |
| SW | 1.1 | 1.0 | 1.1 | .3 | .1 | .0 | | | | | | 3.6 | 6.6 |
| WSW | .4 | .3 | .5 | .2 | | | | | | | | 1.4 | 6.6 |
| W | .6 | .9 | .2 | .0 | | | | | | | | 1.8 | 4.7 |
| WNW | .6 | .4 | .0 | | | | | | | | | 1.0 | 3.6 |
| NW | 1.7 | 1.8 | .4 | .0 | | | | | | | | 3.9 | 4.3 |
| NNW | 2.1 | 4.2 | 1.2 | .0 | | .0 | | | | | | 7.5 | 4.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 30.8 | |
| | 25.9 | 31.3 | 10.2 | 1.5 | .1 | .1 | | | | | | 100.0 | 3.3 |

TOTAL NUMBER OF OBSERVATIONS 2335

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 0600-0800 (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 | 8.7 | 12.9 | 3.4 | .2 | | | | | | | | 25.2 | 4.6 |
| NNE | 3.3 | 4.1 | .7 | .4 | .0 | | | | | | | 8.6 | 4.6 |
| NE | 4.7 | 2.4 | .8 | .1 | | | | | | | | 8.0 | 3.9 |
| ENE | 1.1 | .9 | .4 | | | | | | | | | 2.4 | 4.4 |
| E | 2.1 | 1.3 | .4 | .0 | | | | | | | | 3.9 | 3.9 |
| ESE | .6 | .3 | .1 | | | | | | | | | 1.0 | 3.9 |
| SE | 1.4 | .6 | .1 | .0 | | | | | | | | 2.2 | 3.7 |
| SSE | .3 | .2 | .1 | | | | | | | | | .6 | 4.1 |
| S | .5 | .6 | .3 | | | | | | | | | 1.4 | 4.6 |
| SSW | .3 | .4 | .5 | | | | | | | | | 1.2 | 6.1 |
| SW | .3 | .5 | .5 | .3 | | | | | | | | 1.5 | 7.0 |
| WSW | .2 | .3 | .1 | .1 | | | | | | | | .6 | 5.5 |
| W | .4 | .3 | | | .0 | | | | | | | .7 | 4.1 |
| WNW | .4 | .3 | .1 | | | | | | | | | .8 | 3.9 |
| NW | 1.6 | 1.4 | .3 | | | | | | | | | 3.2 | 3.9 |
| NNW | 2.0 | 4.4 | 1.1 | .0 | | | | | | | | 7.5 | 4.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 31.3 | |
| | 27.8 | 30.9 | 8.8 | 1.2 | .1 | | | | | | | 100.0 | 3.1 |

TOTAL NUMBER OF OBSERVATIONS 2337

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) SEP (MONTH)

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 | 2.1 | 2.0 | .6 | .1 | | | | | | | | 4.7 | 4.3 |
| NNE | 1.5 | 1.2 | .9 | .6 | .0 | | | | | | | 4.2 | 6.0 |
| NE | 4.2 | 2.5 | .6 | .2 | | | | | | | | 7.6 | 4.1 |
| ENE | 2.6 | 3.3 | 1.1 | .2 | | | | | | | | 7.2 | 4.8 |
| E | 4.7 | 6.4 | 2.8 | .8 | .1 | | | | | | | 14.7 | 5.3 |
| ESE | 1.8 | 2.7 | 2.1 | .4 | | | | | | | | 6.9 | 5.8 |
| SE | 3.7 | 2.4 | 1.8 | .3 | | | | | | | | 8.2 | 4.9 |
| SSE | .9 | 1.1 | .6 | .0 | | | | | | | | 2.6 | 4.8 |
| S | 1.8 | 1.5 | 1.2 | .2 | | | | | | | | 4.6 | 5.0 |
| SSW | .4 | 1.1 | .9 | .3 | | | | | | | | 2.7 | 6.6 |
| SW | 1.2 | 1.4 | 1.4 | .5 | .1 | | | | | | | 4.6 | 6.7 |
| WSW | .5 | .2 | .3 | .1 | | | | | | | | 1.2 | 5.2 |
| W | .7 | .3 | .1 | | | | | | | | | 1.2 | 3.6 |
| WNW | .3 | .2 | | | | | | | | | | .5 | 3.0 |
| NW | .6 | .3 | | | | | | | | | | .9 | 3.2 |
| NNW | .5 | .3 | | | | | | | | | | .7 | 2.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 27.4 | |
| | 27.4 | 26.9 | 14.3 | 3.7 | .3 | | | | | | | 100.0 | 3.7 |

TOTAL NUMBER OF OBSERVATIONS 2337

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 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 | 1.1 | .9 | .4 | .2 | | .0 | | | | | | 2.7 | 5.3 |
| NNE | .3 | .5 | .2 | .1 | .0 | .0 | | | | | | 1.2 | 6.2 |
| NE | 1.2 | 1.2 | .4 | .3 | .0 | | | | | | | 3.2 | 5.3 |
| ENE | 1.1 | 1.0 | .6 | .2 | | | | | | | | 3.0 | 5.4 |
| E | 2.5 | 3.4 | 3.0 | .7 | .0 | | | | | | | 9.6 | 5.9 |
| ESE | 1.2 | 3.2 | 2.5 | .6 | .1 | .0 | | | | | | 7.6 | 6.6 |
| SE | 3.0 | 4.4 | 2.6 | .9 | .0 | | | | | | | 10.9 | 5.8 |
| SSE | 1.0 | 2.7 | 1.5 | .4 | | | | | | | | 5.5 | 5.9 |
| S | 3.3 | 3.9 | 2.8 | .4 | .1 | | | | | | | 10.5 | 5.6 |
| SSW | 1.6 | 2.1 | 2.4 | 1.1 | .1 | | | | | | | 7.4 | 7.2 |
| SW | 2.6 | 4.5 | 3.9 | 1.5 | .3 | | | | | | | 12.9 | 6.8 |
| WSW | .9 | 1.4 | 1.2 | .4 | .1 | | | | | | | 4.0 | 6.6 |
| W | 1.5 | 1.2 | .7 | .2 | | | | | | | | 3.6 | 5.0 |
| WNW | .2 | .6 | .2 | | | | | | | | | .9 | 4.7 |
| NW | .9 | .5 | .2 | .0 | | | | | | | | 1.7 | 4.2 |
| NNW | .5 | .2 | .1 | .0 | | | | | | | | .8 | 4.0 |
| VAREL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 14.7 | |
| | 22.9 | 31.7 | 22.7 | 7.1 | .9 | .1 | | | | | | 100.0 | 5.1 |

TOTAL NUMBER OF OBSERVATIONS 2334

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 1500-1700 (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 | 1.1 | .9 | .6 | .3 | .1 | | | | | | | 3.1 | 6.0 |
| NNE | .4 | .4 | .3 | .2 | .0 | | | | | | | 1.4 | 6.5 |
| NE | 1.1 | .9 | .4 | .1 | | | | | | | | 2.5 | 4.8 |
| ENE | .5 | .6 | .8 | .3 | | | | | | | | 2.2 | 6.5 |
| E | 1.6 | 2.0 | 1.5 | .4 | .0 | | | | | | | 5.6 | 5.9 |
| ESE | 1.0 | 1.0 | 1.0 | .6 | .1 | | | | | | | 3.6 | 6.6 |
| SE | 1.7 | 1.6 | 1.4 | .4 | .1 | .0 | .0 | | | | | 5.3 | 6.4 |
| SSE | .6 | 1.8 | .9 | .1 | | | | | | | | 3.4 | 5.6 |
| S | 3.0 | 5.0 | 3.2 | .6 | .0 | | | | | | | 11.8 | 5.6 |
| SSW | 1.4 | 4.0 | 4.6 | 2.5 | .1 | | | | | | | 12.6 | 7.7 |
| SW | 3.9 | 5.9 | 5.5 | 3.0 | .8 | .0 | | | | | | 19.2 | 7.5 |
| WSW | 1.0 | 1.5 | 2.6 | 1.6 | .2 | .0 | | | | | | 7.0 | 8.4 |
| W | 1.7 | 2.5 | 1.7 | .7 | .1 | | | | | | | 6.6 | 6.2 |
| WNW | .5 | .6 | .2 | .1 | | | | | | | | 1.4 | 4.9 |
| NW | .4 | .8 | .2 | .1 | | .0 | | | | | | 1.5 | 5.5 |
| NNW | .3 | .5 | .2 | | .0 | | | | | | | 1.0 | 5.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 11.7 | |
| | 20.3 | 30.2 | 25.1 | 10.8 | 1.7 | .2 | .0 | | | | | 100.0 | 5.9 |

TOTAL NUMBER OF OBSERVATIONS 2334

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 1800-2000 (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 | 1.2 | 1.7 | .7 | .4 | .0 | .0 | | | | | | 4.2 | 6.0 |
| NNE | .5 | .5 | .3 | .3 | | | | | | | | 1.3 | 6.3 |
| NE | 1.0 | 1.2 | .5 | .2 | .1 | .0 | | | | | | 3.0 | 5.7 |
| ENE | .5 | .6 | .3 | .2 | | | | | | | | 1.6 | 5.7 |
| E | 1.7 | 1.6 | .5 | .3 | | | | | | | | 4.1 | 5.0 |
| ESE | .4 | .6 | .6 | .3 | .0 | | | | | | | 2.0 | 7.6 |
| SE | 1.0 | 1.5 | .6 | .1 | .2 | .0 | | | | | | 3.3 | 5.9 |
| SSE | .8 | 1.0 | .5 | | .0 | | | | | | | 2.3 | 5.2 |
| S | 2.6 | 3.4 | 1.2 | .2 | | .0 | | | | | | 7.5 | 5.0 |
| SSW | 1.9 | 3.6 | 2.4 | .9 | .0 | | | | | | | 8.9 | 6.1 |
| SW | 3.3 | 6.0 | 4.9 | 1.5 | .2 | | | | | | | 16.0 | 6.5 |
| WSW | 1.6 | 1.9 | 1.8 | .6 | | | | | | | | 6.0 | 6.1 |
| W | 2.1 | 3.3 | 1.6 | .2 | .1 | | | | | | | 7.3 | 5.2 |
| WNW | .5 | 1.5 | .6 | .1 | | | | | | | | 2.6 | 5.4 |
| NW | 2.0 | 1.6 | .3 | .2 | .0 | | .0 | | | | | 4.2 | 5.0 |
| NNW | .7 | 1.2 | .2 | | .0 | | | | | | | 2.1 | 4.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 23.5 | |
| | 21.0 | 31.1 | 17.1 | 5.5 | .8 | .2 | .0 | | | | | 100.0 | 4.4 |

TOTAL NUMBER OF OBSERVATIONS 2335

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 2100-2300 (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 | 4.8 | 6.8 | 2.7 | .5 | .0 | | | | | | | 14.8 | 5.1 |
| NNE | 1.8 | 2.0 | .5 | .2 | .0 | | .0 | | | | | 4.5 | 4.9 |
| NE | 2.3 | 1.6 | .6 | .1 | | .0 | | | | | | 4.6 | 4.5 |
| ENE | .6 | .8 | .3 | .1 | | | | | | | | 1.8 | 4.7 |
| E | 1.4 | 1.1 | .3 | .2 | | | | | | | | 3.0 | 4.4 |
| ESE | .5 | .5 | .5 | .2 | | .0 | | | | | | 1.7 | 6.7 |
| SE | .6 | .7 | .5 | .3 | .1 | | | | | | | 2.1 | 6.6 |
| SSE | .4 | .6 | .6 | .1 | .0 | .0 | | | | | | 1.8 | 6.5 |
| S | 1.2 | 1.2 | .5 | .1 | | | | | | | | 3.0 | 4.8 |
| SSW | .8 | 1.8 | 1.5 | .5 | .0 | .0 | | | | | | 4.6 | 6.7 |
| SW | 2.1 | 3.3 | 3.6 | 1.0 | .1 | | | | | | | 10.1 | 6.5 |
| WSW | .8 | 1.2 | 1.5 | .3 | .0 | | | | | | | 3.9 | 6.6 |
| W | .9 | 2.3 | .8 | .1 | | | | | | | | 4.1 | 5.2 |
| WNW | 1.0 | .9 | .3 | .0 | .0 | | | | | | | 2.3 | 4.7 |
| NW | 1.8 | 2.4 | 1.2 | .3 | .1 | | | | | | | 5.8 | 5.6 |
| NNW | 1.6 | 3.3 | 1.6 | .1 | | .1 | | | | | | 6.7 | 5.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 25.3 | |
| | 22.5 | 30.4 | 17.0 | 4.0 | .6 | .3 | .0 | | | | | 100.0 | 4.1 |

TOTAL NUMBER OF OBSERVATIONS 2338

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 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 | 9.1 | 16.6 | 6.5 | .5 | | | | | | | | 12.7 | 5.0 |
| NNE | 3.0 | 2.8 | 1.7 | .5 | .1 | | | | | | | 8.2 | 5.2 |
| NE | 3.2 | 2.8 | 1.1 | .2 | | | | | | | | 7.2 | 4.5 |
| ENE | .7 | .6 | .1 | | | | | | | | | 1.4 | 3.9 |
| E | 1.2 | 1.1 | .1 | .0 | | | | | | | | 2.4 | 4.1 |
| ESE | .3 | .3 | .0 | | | | | | | | | .7 | 4.1 |
| SE | .5 | .5 | | | | | | | | | | 1.0 | 3.6 |
| SSE | .1 | .2 | .1 | | | | | | | | | .4 | 4.8 |
| S | .9 | 1.1 | .5 | | | | | | | | | 2.5 | 4.5 |
| SSW | .3 | .7 | .4 | .0 | | | | | | | | 1.4 | 5.5 |
| SW | .7 | 1.6 | 1.0 | .4 | | | | | | | | 3.1 | 6.8 |
| WSW | .2 | .3 | .4 | .2 | | | | | | | | 1.2 | 7.3 |
| W | .6 | .2 | .2 | | | | | | | | | 1.0 | 4.2 |
| WNW | .3 | .2 | .2 | | .0 | | | | | | | .7 | 5.4 |
| NW | 1.2 | 1.6 | .2 | .1 | | | | | | | | 3.1 | 4.6 |
| NNW | 2.4 | 3.9 | 1.4 | .2 | | | | | | | | 8.0 | 5.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 24.9 | |
| | 24.8 | 33.9 | 14.0 | 2.2 | .1 | | | | | | | 100.0 | 3.7 |

TOTAL NUMBER OF OBSERVATIONS 2415

USAFETAC FORM 0-8-5 (OL-A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) OCT (MONTH)

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 | 11.3 | 16.6 | 4.2 | .6 | | | | | | | | 32.7 | 4.7 |
| NNE | 3.4 | 4.2 | 1.0 | .4 | | | | | | | | 9.0 | 4.5 |
| NE | 3.4 | 2.8 | 1.4 | .1 | | | | | | | | 7.7 | 4.6 |
| ENE | .9 | .3 | .5 | | | | | | | | | 1.6 | 4.4 |
| E | .9 | .7 | .2 | .0 | | | | | | | | 1.8 | 4.2 |
| ESE | .3 | .0 | | | | | | | | | | .4 | 2.9 |
| SE | .2 | .1 | .0 | | | | | | | | | .4 | 4.0 |
| SSE | .2 | .1 | .1 | | | | | | | | | .3 | 4.0 |
| S | .8 | .5 | .3 | | | | | | | | | 1.6 | 4.3 |
| SSW | .5 | .4 | .2 | .0 | .0 | | | | | | | 1.2 | 5.2 |
| SW | .4 | .8 | .8 | .2 | | | | | | | | 2.2 | 6.5 |
| WSW | .2 | .2 | .2 | | | | | | | | | .7 | 5.3 |
| W | .7 | .4 | .2 | | | | | | | | | 1.2 | 4.0 |
| WNW | .2 | .3 | .0 | | | | | | | | | .5 | 3.9 |
| NW | 1.6 | 1.6 | .2 | .0 | | | | | | | | 3.4 | 4.0 |
| NNW | 2.3 | 4.1 | 1.1 | .0 | | | | | | | | 7.6 | 4.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 27.7 | |
| | 27.2 | 33.2 | 10.4 | 1.5 | .0 | | | | | | | 100.0 | 3.3 |

TOTAL NUMBER OF OBSERVATIONS 2413

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 0600-0800 (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 | 10.5 | 13.9 | 4.0 | .6 | .2 | | | | | | | 29.2 | 4.7 |
| NNE | 4.1 | 3.4 | 1.1 | .2 | .0 | .1 | | | | | | 9.1 | 4.7 |
| NE | 3.9 | 2.7 | 1.1 | .2 | | | | | | | | 7.9 | 4.5 |
| ENE | 1.2 | .6 | .4 | | | | | | | | | 2.2 | 4.0 |
| E | 1.5 | .8 | .4 | .0 | | | | | | | | 2.7 | 4.0 |
| ESE | .5 | .2 | .1 | .0 | | | | | | | | .8 | 4.4 |
| SE | .3 | .4 | .1 | | | | | | | | | .8 | 4.2 |
| SSE | .1 | .1 | .0 | | | | | | | | | .2 | 5.0 |
| S | .3 | .7 | .2 | | | | | | | | | 1.2 | 4.7 |
| SSW | .2 | .2 | .4 | .2 | | | | | | | | 1.0 | 7.3 |
| SW | .2 | .3 | .6 | .2 | | | | | | | | 1.3 | 7.0 |
| WSW | .1 | .2 | .1 | | | | | | | | | .5 | 5.1 |
| W | .4 | .2 | | | | | | | | | | .6 | 3.1 |
| WNW | .3 | .2 | .0 | | | | | | | | | .5 | 3.9 |
| NW | 1.6 | 1.2 | .1 | | | | | | | | | 2.9 | 3.7 |
| NNW | 3.1 | 4.8 | .8 | .1 | | | | | | | | 8.7 | 4.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 30.4 | |
| | 28.3 | 30.0 | 9.3 | 1.6 | .2 | .1 | | | | | | 100.0 | 3.2 |

TOTAL NUMBER OF OBSERVATIONS 2414

USAFETAC FORM 0-8-5 (OL-A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) OCT (MONTH)

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 | 2.2 | 2.4 | .6 | .3 | .2 | .1 | .0 | | | | | 5.9 | 5.7 |
| NNE | 2.0 | 1.5 | 1.0 | .2 | .3 | | | | | | | 5.1 | 5.9 |
| NE | 4.1 | 2.6 | 1.3 | .5 | .0 | | | | | | | 8.5 | 4.8 |
| ENE | 2.7 | 2.2 | 1.0 | .4 | .0 | | | | | | | 6.3 | 4.8 |
| E | 6.4 | 5.8 | 2.7 | .8 | .0 | | | | | | | 15.8 | 4.9 |
| ESE | 2.1 | 1.7 | 1.1 | .1 | | | | | | | | 5.0 | 4.7 |
| SE | 2.7 | 2.2 | .9 | .0 | | | | | | | | 5.9 | 4.3 |
| SSE | 1.0 | .9 | .2 | .0 | | | | | | | | 2.1 | 4.0 |
| S | 1.5 | 1.0 | .6 | .2 | | | | | | | | 3.3 | 4.9 |
| SSW | .3 | .8 | .6 | .2 | .1 | | | | | | | 2.0 | 7.1 |
| SW | .8 | .9 | 1.0 | .4 | .2 | | | | | | | 3.2 | 7.1 |
| WSW | .4 | .3 | .4 | .1 | .0 | | | | | | | 1.3 | 6.6 |
| W | .4 | .2 | .1 | .1 | | | | | | | | .8 | 5.3 |
| WNW | .4 | .2 | .1 | .0 | | | | | | | | .7 | 4.6 |
| NW | .4 | .2 | .0 | .1 | | .0 | | | | | | .7 | 5.8 |
| NNW | .7 | .4 | .1 | | | | | | | | | 1.2 | 3.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 32.1 | |
| | 28.1 | 23.3 | 11.8 | 3.6 | .9 | .2 | .0 | | | | | 100.0 | 3.5 |

TOTAL NUMBER OF OBSERVATIONS 2412

USAFETAC FORM 0-8-5 (OL-A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 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 | .7 | .5 | .5 | .2 | .1 | | | | | | | 2.0 | 6.6 |
| NNE | .7 | .5 | .4 | .2 | .1 | | | | | | | 1.9 | 6.3 |
| NE | 1.2 | 1.5 | .7 | .2 | | | | | | | | 3.6 | 5.3 |
| ENE | 1.1 | 1.8 | 1.0 | .2 | | | | | | | | 4.1 | 5.6 |
| E | 3.3 | 5.1 | 3.1 | .7 | .0 | | | | | | | 12.3 | 5.7 |
| ESE | 2.1 | 2.7 | 2.2 | .7 | | | | | | | | 7.7 | 5.9 |
| SE | 3.1 | 4.0 | 2.7 | .4 | | | | | | | | 10.2 | 5.4 |
| SSE | 1.7 | 2.0 | 1.2 | .1 | | | | | | | | 5.0 | 5.0 |
| S | 2.9 | 3.6 | 1.5 | .2 | .1 | | | | | | | 8.3 | 5.0 |
| SSW | 1.2 | 2.3 | 1.5 | .9 | | | | | | | | 6.0 | 6.6 |
| SW | 2.0 | 3.1 | 2.4 | .8 | .2 | .0 | | | | | | 8.5 | 6.3 |
| WSW | .5 | .9 | 1.0 | .7 | .1 | .0 | | | | | | 3.2 | 7.6 |
| W | 1.2 | 1.0 | .8 | .2 | .0 | | | | | | | 3.2 | 5.4 |
| WNW | .4 | .3 | .1 | .1 | .1 | | | | | | | 1.0 | 6.6 |
| NW | .6 | .3 | .2 | .1 | .1 | | | | | | | 1.4 | 6.4 |
| NNW | .3 | .2 | | | | | | | | | | .6 | 3.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 21.0 | |
| | 23.0 | 29.9 | 19.2 | 5.9 | .9 | .1 | | | | | | 100.0 | 4.6 |

TOTAL NUMBER OF OBSERVATIONS 2412

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 1500-1700 (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 | .9 | .5 | .2 | .0 | | | | | | | 2.3 | 6.1 |
| NNE | .5 | .3 | .2 | .1 | .0 | | | | | | | 1.2 | 6.0 |
| NE | .8 | .8 | .3 | .1 | | | | | | | | 2.1 | 4.9 |
| ENE | .7 | .5 | .2 | .0 | | | | | | | | 1.4 | 4.3 |
| E | 1.7 | 2.7 | 1.9 | .4 | | | | | | | | 6.8 | 5.9 |
| ESE | 1.0 | 1.5 | 1.0 | .1 | .0 | | | | | | | 3.7 | 5.7 |
| SE | 2.0 | 2.7 | 1.5 | .0 | | | | | | | | 6.3 | 5.0 |
| SSE | .7 | 1.5 | .5 | .1 | | | | | | | | 2.9 | 5.1 |
| S | 4.0 | 4.6 | 2.5 | .4 | | | | | | | | 11.4 | 5.0 |
| SSW | 2.3 | 4.3 | 4.6 | 1.2 | .0 | | | | | | | 12.5 | 6.7 |
| SW | 3.2 | 4.8 | 4.5 | 2.0 | .2 | .1 | | | | | | 14.8 | 6.9 |
| WSW | 1.1 | 1.7 | 1.7 | .9 | .1 | .0 | | | | | | 5.4 | 7.2 |
| W | 1.3 | 1.9 | 1.0 | .5 | .1 | .0 | | | | | | 4.9 | 6.3 |
| WNW | .5 | .6 | .4 | .1 | .1 | .0 | | | | | | 1.7 | 6.8 |
| NW | .9 | .6 | .3 | .0 | .0 | | | | | | | 1.9 | 4.7 |
| NNW | .3 | .4 | .2 | .0 | | | | | | | | 1.0 | 4.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 19.3 | |
| | 21.8 | 30.0 | 21.5 | 6.4 | .7 | .2 | | | | | | 100.0 | 4.8 |

TOTAL NUMBER OF OBSERVATIONS 2414

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 1800-2000 (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 | 2.4 | 1.0 | .1 | .0 | | | | | | | 6.5 | 4.6 |
| NNE | .8 | .5 | .2 | .1 | .0 | | | | | | | 1.6 | 4.8 |
| NE | 1.0 | .7 | .6 | .2 | | | | | | | | 2.5 | 5.5 |
| ENE | .6 | .5 | .2 | .0 | | | | | | | | 1.4 | 4.6 |
| E | 1.5 | .9 | .5 | .1 | | | | | | | | 2.9 | 4.4 |
| ESE | .6 | .2 | .2 | .0 | | | | | | | | 1.1 | 4.5 |
| SE | 1.0 | 1.0 | .4 | | | | | | | | | 2.4 | 4.4 |
| SSE | .6 | .3 | .2 | | | | | | | | | 1.1 | 4.1 |
| S | 2.7 | 3.1 | .8 | .1 | | | | | | | | 6.8 | 4.3 |
| SSW | 1.5 | 2.7 | 1.5 | .2 | | | | | | | | 5.9 | 5.3 |
| SW | 2.9 | 4.1 | 2.6 | .7 | .1 | | | | | | | 10.4 | 5.7 |
| WSW | 1.6 | 2.4 | 1.2 | .2 | .1 | | | | | | | 5.6 | 5.4 |
| W | 2.4 | 3.0 | .9 | .1 | .0 | | | | | | | 6.3 | 4.6 |
| WNW | 1.1 | 2.0 | .1 | .4 | | | | | | | | 3.6 | 5.1 |
| NW | 2.5 | 2.9 | .6 | .2 | .1 | .0 | | | | | | 6.3 | 4.8 |
| NNW | 2.0 | 2.6 | .3 | .1 | | | | | | | | 5.0 | 4.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 30.4 | |
| | 25.6 | 29.5 | 11.5 | 2.3 | .4 | .0 | | | | | | 100.0 | 3.4 |

TOTAL NUMBER OF OBSERVATIONS 2413

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 2100-2300 (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 | 6.3 | 13.4 | 7.0 | .5 | .0 | | | | | | | 27.2 | 5.4 |
| NNE | 2.1 | 3.2 | 1.5 | .1 | .1 | .0 | | | | | | 7.0 | 5.3 |
| NE | 2.2 | 2.2 | .9 | .1 | | | | | | | | 5.3 | 4.6 |
| ENE | .4 | .7 | .3 | .0 | | | | | | | | 1.4 | 4.8 |
| E | .7 | .9 | .5 | .0 | | | | | | | | 2.1 | 5.3 |
| ESE | .4 | .5 | .0 | .1 | | | | | | | | 1.0 | 5.3 |
| SE | .3 | .4 | .1 | .0 | | | | | | | | .9 | 4.8 |
| SSE | .2 | .1 | .2 | .1 | | | | | | | | .7 | 6.3 |
| S | 1.1 | .7 | .1 | .1 | | | | | | | | 2.0 | 4.1 |
| SSW | .6 | 1.0 | .7 | .2 | | | | | | | | 2.4 | 6.0 |
| SW | .8 | 1.5 | 1.1 | .4 | .1 | | | | | | | 3.9 | 6.5 |
| WSW | .2 | .8 | .4 | .1 | | | | | | | | 1.5 | 5.9 |
| W | .6 | 1.0 | .4 | .2 | | | | | | | | 2.3 | 5.7 |
| WNW | .4 | .9 | .2 | .1 | | | | | | | | 1.6 | 5.5 |
| NW | 1.5 | 2.7 | 1.0 | .2 | .0 | | | | | | | 5.5 | 5.3 |
| NNW | 1.8 | 5.3 | 2.4 | .2 | .0 | | | | | | | 9.8 | 5.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 25.4 | |
| | 19.7 | 35.2 | 18.8 | 2.6 | .4 | .0 | | | | | | 100.0 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 2417

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 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 | 10.3 | 19.3 | 4.8 | .6 | .1 | | | | | | | 35.2 | 4.9 |
| NNE | 2.7 | 4.5 | 1.5 | .4 | .1 | | | | | | | 9.2 | 5.1 |
| NE | 2.3 | 3.4 | 1.0 | .1 | | | | | | | | 6.8 | 4.6 |
| ENE | .6 | .5 | .1 | .0 | | | | | | | | 1.3 | 4.3 |
| E | .8 | .8 | .1 | .1 | .0 | | | | | | | 1.8 | 4.9 |
| ESE | .3 | .2 | | .0 | | | | | | | | .5 | 4.3 |
| SE | .4 | .1 | .1 | | | | | | | | | .6 | 4.1 |
| SSE | .3 | .2 | | | | | | | | | | .5 | 3.2 |
| S | .5 | .7 | .2 | | | | | | | | | 1.4 | 4.2 |
| SSW | .2 | .3 | .2 | .1 | | | | | | | | .7 | 6.6 |
| SW | .7 | .4 | .7 | .2 | | | | | | | | 2.0 | 6.2 |
| WSW | .1 | .1 | .0 | .1 | | | | | | | | .3 | 7.5 |
| W | .4 | .2 | .0 | | | | | | | | | .7 | 3.5 |
| WNW | .4 | .3 | .1 | .1 | | | | | | | | 1.0 | 4.5 |
| NW | 1.5 | 1.4 | .7 | .1 | | | | | | | | 3.7 | 4.8 |
| NNW | 2.7 | 4.7 | 2.2 | .1 | | | | | | | | 9.6 | 5.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 24.7 | |
| | 24.2 | 37.1 | 11.8 | 2.0 | .3 | | | | | | | 100.0 | 3.7 |

TOTAL NUMBER OF OBSERVATIONS 2293

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) NOV (MONTH)

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 | 12.0 | 17.7 | 4.1 | .4 | .1 | .0 | | | | | | 34.3 | 4.6 |
| NNE | 3.6 | 4.1 | 2.1 | .4 | .0 | | | | | | | 10.2 | 5.1 |
| NE | 2.6 | 2.6 | .8 | .4 | | | | | | | | 6.4 | 4.9 |
| ENE | .7 | .8 | .3 | | | | | | | | | 1.7 | 4.1 |
| E | .9 | .6 | .2 | .0 | | | | | | | | 1.7 | 4.3 |
| ESE | .1 | | | .0 | | | | | | | | .2 | 5.3 |
| SE | .2 | .3 | | | | | | | | | | .5 | 4.0 |
| SSE | .1 | .1 | .1 | | | | | | | | | .3 | 5.5 |
| S | .4 | .4 | .3 | .0 | | | | | | | | 1.1 | 5.2 |
| SSW | .4 | .4 | .3 | .1 | | | | | | | | 1.3 | 6.2 |
| SW | .6 | .4 | .1 | .1 | | | | | | | | 1.2 | 4.6 |
| WSW | .1 | .3 | .0 | | | | | | | | | .4 | 4.7 |
| W | .4 | .5 | .1 | .0 | | | | | | | | 1.1 | 4.9 |
| WNW | .2 | .2 | | .0 | | | | | | | | .5 | 4.1 |
| NW | 1.3 | 1.6 | .4 | .1 | | | | | | | | 3.4 | 4.5 |
| NNW | 2.3 | 5.4 | 1.7 | | | | | | | | | 9.5 | 4.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 26.1 | |
| | 25.9 | 35.5 | 10.6 | 1.7 | .1 | .0 | | | | | | 100.0 | 3.5 |

TOTAL NUMBER OF OBSERVATIONS 2292

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 0600-0800 (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 | 11.2 | 14.1 | 2.5 | .5 | .2 | | | | | | | 28.5 | 4.4 |
| NNE | 3.3 | 3.4 | 1.2 | .7 | .1 | | | | | | | 8.9 | 5.2 |
| NE | 2.8 | 1.7 | .9 | .4 | .0 | | | | | | | 5.9 | 4.9 |
| ENE | 1.1 | .9 | .1 | | | | | | | | | 2.1 | 3.6 |
| E | 1.0 | .3 | .1 | | | | | | | | | 1.4 | 3.5 |
| ESE | .3 | .3 | | | | | | | | | | .5 | 3.5 |
| SE | .4 | .3 | .2 | | | | | | | | | .9 | 4.2 |
| SSE | .3 | .4 | .1 | | | | | | | | | .7 | 4.0 |
| S | .7 | .4 | .2 | .1 | | | | | | | | 1.3 | 4.7 |
| SSW | .1 | .7 | .4 | .1 | | | | | | | | 1.4 | 5.9 |
| SW | .4 | .4 | .1 | .2 | | | | | | | | 1.2 | 6.1 |
| WSW | .1 | .0 | .0 | | | | | | | | | .2 | 4.0 |
| W | .5 | .3 | .1 | | | | | | | | | .9 | 3.9 |
| WNW | .2 | .2 | .1 | | | | | | | | | .5 | 4.5 |
| NW | 1.7 | 1.0 | .3 | .0 | | | | | | | | 3.1 | 3.9 |
| NNW | 4.3 | 5.3 | 1.3 | .2 | .0 | | | | | | | 11.1 | 4.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 31.6 | |
| | 30.3 | 29.7 | 7.6 | 2.2 | .4 | | | | | | | 100.0 | 3.1 |

TOTAL NUMBER OF OBSERVATIONS 2291

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) NOV (MONTH)

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 | 4.1 | 4.0 | 1.0 | .6 | .2 | .1 | | | | | | 9.9 | 5.0 |
| NNE | 2.2 | 1.6 | 1.4 | 1.0 | .4 | | | | | | | 6.6 | 6.7 |
| NE | 3.4 | 2.2 | 1.0 | 1.0 | .0 | .0 | | | | | | 7.7 | 5.5 |
| ENE | 1.9 | 1.7 | .7 | .3 | | | | | | | | 4.7 | 5.0 |
| E | 4.9 | 3.5 | .4 | .3 | .0 | .0 | | | | | | 9.2 | 4.1 |
| ESE | 1.5 | 1.8 | .3 | .0 | | | | | | | | 3.7 | 4.1 |
| SE | 3.0 | 1.2 | .4 | .0 | | | | | | | | 4.6 | 3.7 |
| SSE | 1.1 | .3 | .1 | .0 | | | | | | | | 1.5 | 3.6 |
| S | 1.4 | 1.0 | .5 | .0 | | | | | | | | 2.9 | 4.4 |
| SSW | .3 | .6 | .7 | .3 | | | | | | | | 2.0 | 6.7 |
| SW | .9 | .6 | .9 | .4 | .0 | | | | | | | 2.8 | 6.6 |
| WSW | .4 | .1 | .2 | .1 | | | | | | | | .8 | 5.6 |
| W | .3 | .2 | .2 | .1 | .0 | | | | | | | .8 | 6.8 |
| WNW | .3 | .0 | .1 | .0 | .0 | | | | | | | .5 | 5.5 |
| NW | 1.3 | .3 | .2 | .2 | .1 | .0 | | | | | | 2.1 | 5.4 |
| NNW | 1.0 | .9 | .3 | .1 | .1 | | | | | | | 2.4 | 5.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 37.7 | |
| | 28.0 | 20.1 | 8.4 | 4.6 | 1.0 | .2 | | | | | | 100.0 | 3.2 |

TOTAL NUMBER OF OBSERVATIONS 2292

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 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 | 1.2 | .4 | .6 | .3 | .1 | | | | | | | 2.7 | 6. |
| NNE | .7 | .5 | .6 | .3 | .0 | | | | | | | 2.3 | 6.8 |
| NE | 1.4 | 1.1 | .7 | .4 | .0 | | | | | | | 3.6 | 5.8 |
| ENE | 1.2 | 1.9 | 1.1 | .7 | .0 | | | | | | | 4.9 | 6.4 |
| E | 3.9 | 3.9 | 2.9 | .5 | | | | | | | | 11.2 | 5.3 |
| ESE | 2.2 | 2.6 | 1.1 | .1 | | | | | | | | 6.1 | 4.7 |
| SE | 2.8 | 3.0 | 1.4 | .1 | | | | | | | | 7.3 | 4.8 |
| SSE | 2.2 | 1.7 | .3 | | | | | | | | | 4.2 | 3.7 |
| S | 4.2 | 3.1 | .7 | .3 | .0 | | | | | | | 8.3 | 4.2 |
| SSW | 1.5 | 1.1 | 1.2 | .7 | | | | | | | | 4.5 | 6.3 |
| SW | 2.4 | 1.3 | 1.8 | .7 | | | | | | | | 6.2 | 6.0 |
| WSW | 1.0 | .5 | .7 | .3 | .0 | | | | | | | 2.5 | 6.1 |
| W | 1.1 | .6 | .3 | .4 | .1 | | | | | | | 2.6 | 6.2 |
| WNW | .1 | | .3 | .2 | .2 | .0 | | | | | | .8 | 12.2 |
| NW | .4 | .3 | .1 | .2 | .1 | .0 | | | | | | 1.3 | 7.9 |
| NNW | .3 | .1 | .2 | .3 | .0 | | | | | | | 1.0 | 7.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 30.6 | |
| | 26.7 | 22.1 | 14.1 | 5.6 | .8 | .1 | | | | | | 100.0 | 3.8 |

TOTAL NUMBER OF OBSERVATIONS 2288

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 1500-1700 (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 | .5 | .7 | .6 | .3 | .0 | | .0 | | | | | 2.1 | 7.3 |
| NNE | .4 | .3 | .4 | .2 | .0 | | | | | | | 1.4 | 7.6 |
| NE | .7 | .8 | .4 | .2 | | | | | | | | 2.1 | 5.5 |
| ENE | 1.2 | .9 | .6 | .1 | | | | | | | | 2.8 | 5.1 |
| E | 1.7 | 3.1 | 1.4 | .3 | .1 | | | | | | | 6.6 | 5.7 |
| ESE | 1.3 | .8 | .6 | .1 | | | | | | | | 2.8 | 5.0 |
| SE | 2.4 | 1.9 | .6 | | | | | | | | | 4.9 | 4.0 |
| SSE | 1.8 | 1.5 | .1 | | | | | | | | | 3.4 | 3.7 |
| S | 6.5 | 5.3 | 1.8 | .1 | | | | | | | | 13.7 | 4.2 |
| SSW | 2.7 | 4.2 | 2.5 | .8 | .0 | | | | | | | 10.2 | 5.8 |
| SW | 3.3 | 3.0 | 2.6 | 1.4 | .0 | | | | | | | 10.3 | 6.2 |
| WSW | 1.0 | 1.5 | 1.2 | .4 | .0 | | | | | | | 4.2 | 6.2 |
| W | 1.3 | 1.0 | 1.0 | .4 | .3 | .0 | | | | | | 4.0 | 6.9 |
| WNW | .6 | .2 | .3 | .5 | .1 | | | | | | | 1.7 | 8.2 |
| NW | .7 | .7 | .3 | .2 | | | | | | | | 1.8 | 5.5 |
| NNW | .6 | .2 | .2 | .2 | .1 | | | | | | | 1.2 | 6.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 26.9 | |
| | 26.6 | 26.0 | 14.4 | 5.3 | .8 | .0 | .0 | | | | | 100.0 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 2285

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 1800-2000 (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 | 5.2 | 4.8 | 1.7 | .4 | .1 | | | | | | | 12.2 | 4.8 |
| NNE | 1.4 | .8 | .4 | .4 | .1 | | | | | | | 3.1 | 5.8 |
| NE | 1.0 | 1.0 | .3 | .1 | | | | | | | | 2.4 | 5.0 |
| ENE | .3 | .7 | .1 | | | | | | | | | 1.1 | 4.4 |
| E | 1.1 | .7 | .3 | .1 | .1 | | | | | | | 2.3 | 5.0 |
| ESE | .5 | .2 | .1 | .0 | | | | | | | | .9 | 4.3 |
| SE | .7 | .3 | .0 | | | | | | | | | 1.0 | 3.5 |
| SSE | .4 | .5 | .1 | | | | | | | | | 1.0 | 4.1 |
| S | 3.1 | 2.7 | .6 | .0 | | | | | | | | 6.5 | 4.0 |
| SSW | 1.7 | 2.3 | .7 | .1 | | | | | | | | 4.8 | 4.6 |
| SW | 2.1 | 2.1 | 1.1 | .3 | | | | | | | | 5.7 | 5.0 |
| WSW | .6 | 1.1 | .7 | .1 | .0 | | | | | | | 2.7 | 6.0 |
| W | 2.0 | 1.7 | .5 | .3 | .0 | .0 | | | | | | 4.6 | 4.9 |
| WNW | 1.5 | 1.5 | .2 | .2 | | | | | | | | 3.4 | 4.2 |
| NW | 3.8 | 3.5 | .7 | .2 | | | | | | | | 8.3 | 4.3 |
| NNW | 2.9 | 3.7 | .9 | .1 | | | | | | | | 7.6 | 4.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 32.6 | |
| | 28.3 | 27.7 | 8.5 | 2.4 | .4 | .0 | | | | | | 100.0 | 3.1 |

TOTAL NUMBER OF OBSERVATIONS 2290

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 2100-2300 (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 | 9.5 | 20.7 | 6.9 | .5 | .0 | | | | | | | 37.7 | 5.1 |
| NNE | 1.7 | 2.7 | 1.7 | .5 | .1 | | | | | | | 6.8 | 6.0 |
| NE | 2.0 | 1.7 | .7 | .0 | | | | | | | | 4.4 | 4.3 |
| ENE | .5 | .4 | .3 | | | | | | | | | 1.2 | 4.9 |
| E | .7 | .6 | .1 | .1 | | | | | | | | 1.5 | 4.9 |
| ESE | .1 | .2 | .1 | | | | | | | | | .4 | 4.6 |
| SE | .3 | .1 | | | | | | | | | | .4 | 3.1 |
| SSE | .4 | .3 | .1 | .0 | | | | | | | | .9 | 4.3 |
| S | .9 | .7 | .3 | | | | | | | | | 1.9 | 4.3 |
| SSW | .4 | .7 | .4 | .1 | .0 | | | | | | | 1.7 | 6.1 |
| SW | .6 | .7 | 1.0 | .1 | | | | | | | | 2.4 | 6.1 |
| WSW | .6 | .1 | .3 | .2 | .1 | | | | | | | 1.2 | 6.7 |
| W | .3 | .3 | .2 | .0 | .0 | | | | | | | .9 | 5.9 |
| WNW | .2 | .6 | .1 | .2 | | | | | | | | 1.1 | 5.9 |
| NW | 1.5 | 2.1 | 1.0 | .3 | .0 | | | | | | | 5.1 | 5.5 |
| NNW | 2.5 | 7.5 | 2.6 | .1 | | | | | | | | 12.7 | 5.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 19.8 | |
| | 22.3 | 39.5 | 15.8 | 2.2 | .4 | | | | | | | 100.0 | 4.2 |

TOTAL NUMBER OF OBSERVATIONS 2291

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 41-45,51-71 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 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 | 11.5 | 20.4 | 4.5 | .3 | .1 | | | | | | | 36.8 | 4.6 |
| NNE | 3.3 | 3.4 | 1.0 | .3 | .1 | .0 | | | | | | 8.1 | 4.8 |
| NE | 2.7 | 2.2 | .6 | .0 | | | | | | | | 5.5 | 4.1 |
| ENE | .6 | .7 | .1 | | | | | | | | | 1.5 | 4.0 |
| E | 1.1 | .7 | .2 | .0 | | | | | | | | 2.1 | 4.2 |
| ESE | .1 | .2 | .1 | | | | | | | | | .4 | 4.7 |
| SE | .2 | .3 | .1 | | | | | | | | | .6 | 4.7 |
| SSE | .1 | .2 | .0 | | | | | | | | | .3 | 4.4 |
| S | .5 | .5 | .5 | .0 | | | | | | | | 1.5 | 5.7 |
| SSW | .2 | .4 | .5 | .2 | | | | | | | | 1.4 | 7.2 |
| SW | .5 | .6 | .5 | .2 | .1 | | | | | | | 1.9 | 6.7 |
| WSW | .1 | .2 | .2 | | | | | | | | | .6 | 5.7 |
| W | .5 | .4 | | .0 | .0 | | | | | | | 1.0 | 4.4 |
| WNW | .7 | .2 | .0 | .1 | | | | | | | | 1.0 | 4.3 |
| NW | 2.1 | 1.5 | .5 | .1 | | | | | | | | 4.2 | 4.4 |
| NNW | 2.1 | 4.9 | 1.7 | .3 | .0 | | | | | | | 9.1 | 5.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 24.0 | |
| | 36.5 | 36.8 | 10.6 | 1.7 | .3 | .0 | | | | | | 100.0 | 3.6 |

TOTAL NUMBER OF OBSERVATIONS 2409

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 41-45,51-71 (YEARS) DEC (MONTH)

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 | 11.4 | 18.1 | 3.4 | .1 | | | | | | | | 33.0 | 4.4 |
| NNE | 3.2 | 2.9 | .9 | .2 | .1 | | | | | | | 7.3 | 4.4 |
| NE | 2.8 | 2.3 | .5 | .2 | | | | | | | | 5.8 | 4.3 |
| ENE | .7 | .8 | .0 | | | | | | | | | 1.5 | 3.6 |
| E | .9 | .7 | .1 | .1 | | | | | | | | 1.9 | 4.5 |
| ESE | .1 | .2 | | | | | | | | | | .3 | 4.0 |
| SE | .1 | .2 | .0 | | | | | | | | | .4 | 4.2 |
| SSE | .2 | .2 | .0 | | | | | | | | | .5 | 4.4 |
| S | .5 | .5 | .2 | .0 | | | | | | | | 1.2 | 4.7 |
| SSW | .2 | .5 | .5 | .0 | .0 | | | | | | | 1.4 | 6.5 |
| SW | .3 | .6 | .4 | .2 | | | | | | | | 1.5 | 6.2 |
| WSW | .2 | .2 | .2 | .0 | | .0 | | | | | | .7 | 6.1 |
| W | .4 | .3 | .1 | .2 | | | | | | | | 1.0 | 5.3 |
| WNW | .4 | .2 | .0 | .0 | .0 | | | | | | | .7 | 5.0 |
| NW | 2.5 | 1.5 | .6 | .2 | | | | | | | | 4.9 | 4.5 |
| NNW | 2.9 | 5.4 | 1.4 | .1 | | | | | | | | 9.7 | 4.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 28.0 | |
| | 27.1 | 34.8 | 8.4 | 1.5 | .2 | .0 | | | | | | 100.0 | 3.2 |

TOTAL NUMBER OF OBSERVATIONS 2411

USAFETAC FORM 0-8-5 (OL-A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 41-45,51-71 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 0600-0800 (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 | 10.9 | 14.0 | 2.3 | .1 | | | | | | | | 27.3 | 4.2 |
| NNE | 4.3 | 2.9 | .6 | .5 | .1 | | | | | | | 8.4 | 4.4 |
| NE | 3.7 | 2.2 | .4 | .1 | | | | | | | | 6.4 | 3.9 |
| ENE | .7 | .4 | .2 | | | | | | | | | 1.4 | 3.8 |
| E | 1.0 | .8 | .3 | | | | | | | | | 2.2 | 4.3 |
| ESE | .3 | .2 | .0 | | | | | | | | | .5 | 3.6 |
| SE | .5 | .2 | | | | | | | | | | .7 | 3.3 |
| SSE | .4 | .2 | .0 | | | | | | | | | .7 | 3.6 |
| S | .2 | .6 | .2 | | | | | | | | | 1.0 | 5.2 |
| SSW | .2 | .7 | .4 | .2 | | | | | | | | 1.4 | 6.3 |
| SW | .4 | .7 | .2 | .1 | | | | | | | | 1.4 | 5.2 |
| WSW | .2 | .2 | .1 | | .0 | | | | | | | .5 | 5.6 |
| W | .5 | .5 | .1 | .1 | | | | | | | | 1.2 | 4.4 |
| WNW | .3 | .2 | .0 | .1 | | | | | | | | .7 | 5.1 |
| NW | 2.2 | 1.8 | .7 | .1 | | | | | | | | 4.8 | 4.5 |
| NNW | 3.0 | 5.1 | 1.5 | .1 | | | | | | | | 9.7 | 4.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 31.6 | |
| | 29.0 | 30.8 | 7.0 | 1.5 | .1 | | | | | | | 100.0 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 2413

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 41-45,51-71 (YEARS) DEC (MONTH)

AL, 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 | 5.4 | 5.5 | 1.4 | .6 | | | | | | | | 12.9 | 4.5 |
| NNE | 2.8 | 1.7 | 1.2 | 1.0 | .2 | | | | | | | 7.0 | 6.1 |
| NE | 3.8 | 2.3 | 1.1 | .5 | | | | | | | | 7.7 | 4.6 |
| ENE | 2.0 | 1.3 | .6 | .2 | | | | | | | | 4.1 | 4.6 |
| E | 3.4 | 1.6 | .3 | .2 | | | | | | | | 5.4 | 3.7 |
| ESE | 1.5 | 1.2 | .2 | | | | | | | | | 2.9 | 3.5 |
| SE | 1.7 | 1.1 | .0 | | | | | | | | | 2.8 | 3.4 |
| SSE | 1.0 | .3 | .0 | | | | | | | | | 1.4 | 3.2 |
| S | 1.0 | 1.0 | .4 | .2 | | | | | | | | 2.5 | 4.7 |
| SSW | .5 | .4 | .5 | .3 | | | | | | | | 1.7 | 6.7 |
| SW | .7 | .7 | .2 | .2 | .2 | .0 | | | | | | 2.1 | 6.8 |
| WSW | .4 | .5 | .1 | .0 | .1 | | | | | | | 1.1 | 5.6 |
| W | .5 | .2 | .1 | .1 | .0 | | | | | | | 1.0 | 5.8 |
| WNW | .3 | .2 | .2 | .1 | | | | | | | | .7 | 5.2 |
| NW | 1.2 | .7 | .3 | .3 | .1 | .0 | | | | | | 2.7 | 5.8 |
| NNW | 1.5 | 1.5 | .2 | .2 | | | | | | | | 3.5 | 4.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 40.4 | |
| | 27.8 | 20.1 | 6.9 | 3.9 | .7 | .1 | | | | | | 100.0 | 2.8 |

TOTAL NUMBER OF OBSERVATIONS 2408

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 41-45,51-71 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 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 | 1.5 | 1.1 | .5 | .2 | .0 | | | | | | | 3.3 | 4.9 |
| NNE | .7 | 1.0 | .8 | .7 | .0 | | | | | | | 3.2 | 7.1 |
| NE | 2.0 | 1.8 | 1.2 | .2 | .1 | .0 | | | | | | 5.4 | 5.6 |
| ENE | 1.3 | 1.3 | .7 | .2 | | | | | | | | 3.6 | 5.2 |
| E | 3.6 | 3.1 | 1.5 | .3 | | | | | | | | 8.5 | 4.8 |
| ESE | 2.2 | 1.9 | .5 | | | | | | | | | 4.6 | 4.1 |
| SE | 3.0 | 2.8 | .5 | .0 | | | | | | | | 6.3 | 4.9 |
| SSE | 1.9 | 1.5 | .2 | | | | | | | | | 3.6 | 3.6 |
| S | 2.9 | 2.8 | .8 | .0 | .0 | | | | | | | 6.6 | 4.3 |
| SSW | 1.9 | 1.4 | 1.0 | .5 | .0 | | | | | | | 4.9 | 5.7 |
| SW | 2.2 | 1.4 | 1.4 | .7 | .1 | .2 | | | | | | 6.1 | 6.7 |
| WSW | 1.0 | .7 | .6 | .4 | .0 | | | | | | | 2.7 | 6.0 |
| W | 1.0 | .7 | .4 | .3 | .1 | | | | | | | 2.5 | 6.3 |
| WNW | .3 | .2 | .4 | .1 | .1 | | | | | | | 1.1 | 7.6 |
| NW | .8 | .4 | .2 | .2 | .1 | .0 | | | | | | 1.7 | 6.4 |
| NNW | .5 | .2 | .3 | .1 | | | | | | | | 1.2 | 6.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 34.6 | |
| | 20.8 | 22.3 | 11.2 | 4.2 | .7 | .2 | | | | | | 100.0 | 3.4 |

TOTAL NUMBER OF OBSERVATIONS 2411

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 41-45,51-71 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 1500-1700 (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 | 1.4 | 1.3 | 1.0 | .1 | | | | | | | | 3.9 | 5.2 |
| NNE | .6 | .7 | .5 | .2 | .1 | | | | | | | 2.1 | 6.4 |
| NE | .9 | 1.0 | .9 | .2 | | | | | | | | 3.0 | 5.9 |
| ENE | .9 | 1.0 | .3 | .1 | .0 | | | | | | | 2.3 | 4.9 |
| E | 2.1 | 2.4 | .9 | .1 | | | | | | | | 5.6 | 4.7 |
| ESE | 1.4 | .7 | .3 | .1 | | | | | | | | 2.4 | 4.4 |
| SE | 1.9 | 1.5 | .2 | .1 | | | | | | | | 3.6 | 3.7 |
| SSE | 2.2 | 1.2 | .1 | | | | | | | | | 3.5 | 3.5 |
| S | 4.4 | 5.1 | 1.3 | .0 | | | | | | | | 10.9 | 4.3 |
| SSW | 3.7 | 2.9 | 1.6 | .5 | | | | | | | | 8.6 | 4.9 |
| SW | 3.0 | 2.2 | 1.9 | .7 | .3 | | | | | | | 8.0 | 5.9 |
| WSW | .6 | .9 | .5 | .6 | .0 | .0 | | | | | | 2.7 | 7.4 |
| W | 1.4 | .8 | .6 | .5 | .0 | | | | | | | 3.3 | 6.0 |
| WNW | .6 | .7 | .2 | .7 | .0 | .0 | | | | | | 2.3 | 7.6 |
| NW | 1.1 | 1.0 | .5 | .1 | .0 | .0 | | | | | | 2.7 | 5.3 |
| NNW | .7 | .4 | .4 | .1 | | | | | | | | 1.5 | 5.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 33.5 | |
| | 26.7 | 23.6 | 11.3 | 4.2 | .6 | .1 | | | | | | 100.0 | 3.4 |

TOTAL NUMBER OF OBSERVATIONS 2414

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

| 23111 | LUKE AFB ARIZONA/PHOENIX | 41-45,51-71 | DEC |
|---|---|---|---|
| STATION | STATION NAME | YEARS | MONTH |

ALL WEATHER (CLASS) | 1800-2000 (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 | 5.4 | 5.4 | 1.2 | .3 | .0 | | | | | | | 12.3 | 4.3 |
| NNE | 1.4 | 1.3 | .9 | .3 | | | | | | | | 4.0 | 5.3 |
| NE | .8 | 1.2 | .8 | .1 | | | | | | | | 2.9 | 5.3 |
| ENE | .7 | .3 | .2 | .1 | | | | | | | | 1.2 | 4.6 |
| E | 1.0 | .3 | .4 | .1 | | | | | | | | 1.7 | 5.0 |
| FSE | .5 | .3 | .0 | .1 | | | | | | | | .9 | 4.7 |
| SE | .5 | .3 | .0 | .0 | | | | | | | | .9 | 4.2 |
| SSE | .6 | .3 | .2 | .0 | | .0 | | | | | | 1.1 | 5.1 |
| S | 2.3 | 2.2 | .6 | .0 | | | | | | | | 5.1 | 4.3 |
| SSW | 1.9 | 1.7 | .2 | .2 | .1 | | | | | | | 4.1 | 4.6 |
| SW | 2.3 | 1.7 | 1.2 | .4 | .0 | | | | | | | 5.7 | 5.4 |
| WSW | .7 | .5 | .3 | .1 | .0 | | | | | | | 1.6 | 5.1 |
| W | 1.6 | 1.5 | .4 | .2 | .0 | | | | | | | 3.7 | 4.6 |
| WNW | 1.1 | 1.4 | .4 | .1 | .1 | | | | | | | 3.1 | 5.1 |
| NW | 4.1 | 3.4 | .7 | .2 | .1 | | | | | | | 8.5 | 4.3 |
| NNW | 3.8 | 5.0 | 1.0 | .1 | | | | | | | | 9.9 | 4.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 33.3 | |
| | 28.5 | 26.7 | 8.6 | 2.3 | .5 | .0 | | | | | | 100.0 | 3.1 |

TOTAL NUMBER OF OBSERVATIONS 2410

USAFETAC FORM AIR 54 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 41-45,51-71 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 2100-2300 (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 | 9.6 | 18.7 | 6.4 | .2 | | | | | | | | 34.9 | 4.9 |
| NNE | 2.3 | 2.9 | 1.7 | .4 | .2 | | | | | | | 7.5 | 5.7 |
| NE | 1.2 | 2.2 | .7 | .1 | | | | | | | | 4.3 | 4.8 |
| ENE | .5 | .5 | .2 | | | | | | | | | 1.2 | 4.7 |
| E | .5 | .6 | .2 | .1 | | | | | | | | 1.4 | 4.9 |
| ESE | .4 | .2 | .1 | | | | | | | | | .6 | 3.8 |
| SE | .2 | .3 | .2 | .0 | | | | | | | | .9 | 5.6 |
| SSE | .2 | .3 | .1 | | | | | | | | | .6 | 4.7 |
| S | .6 | .8 | .3 | .1 | | | | | | | | 1.9 | 5.1 |
| SSW | .5 | .4 | .5 | .5 | | | | | | | | 1.7 | 7.3 |
| SW | .7 | .7 | .2 | .2 | .1 | | | | | | | 1.9 | 5.9 |
| WSW | .3 | .4 | .2 | .2 | .0 | | | | | | | 1.0 | 6.4 |
| W | .3 | .5 | .1 | | .0 | | | | | | | 1.0 | 4.3 |
| WNW | .3 | .5 | .2 | .2 | .0 | | | | | | | 1.2 | 6.6 |
| NW | 1.7 | 2.5 | .9 | .2 | .1 | .0 | | | | | | 5.5 | 5.5 |
| NNW | 2.9 | 7.5 | 3.3 | .3 | | | | | | | | 14.0 | 5.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 20.4 | |
| | 22.2 | 39.1 | 15.3 | 2.5 | .5 | .0 | | | | | | 100.0 | 4.2 |

TOTAL NUMBER OF OBSERVATIONS 2411

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

22111 (STATION) LUKE AF8 ARIZONA/PHOENIX (STATION NAME) 41-46,51-72 (YEARS) ALL (MONTH)

INSTRUMENT (CLASS) 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 (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 | 3.3 | 5.4 | 1.8 | .4 | .4 | .1 | .3 | .1 | | | | 11.9 | 6.7 |
| NNE | .8 | 1.5 | .5 | .3 | .5 | .7 | .4 | | | | | 4.6 | 12.0 |
| NE | .8 | 2.0 | .8 | .3 | .3 | .5 | .1 | .1 | | | | 4.9 | 10.0 |
| ENE | .8 | 1.2 | .4 | .4 | .3 | .3 | | | | | | 3.3 | 8.1 |
| E | 1.6 | 3.3 | 1.8 | 1.3 | .5 | .1 | .1 | | | | | 8.8 | 7.9 |
| ESE | .7 | 1.1 | .3 | .4 | .4 | .3 | .1 | | | | | 3.2 | 10.3 |
| SE | 1.5 | 2.2 | 1.3 | 1.1 | .9 | .7 | .1 | | | | | 7.8 | 10.1 |
| SSE | 1.5 | .8 | .3 | .1 | .3 | .8 | | | | | | 4.0 | 9.7 |
| S | 1.5 | 2.1 | 1.5 | 1.1 | .5 | .3 | .1 | | | | | 7.0 | 8.7 |
| SSW | .8 | 1.8 | .5 | 1.1 | 1.3 | .3 | | | | | | 5.8 | 10.2 |
| SW | 1.3 | 1.5 | 1.6 | .9 | 1.3 | .7 | .1 | | | | | 7.4 | 10.9 |
| WSW | | .3 | .4 | .7 | .9 | .3 | .5 | .1 | | | | 3.2 | 17.8 |
| W | .1 | .7 | .1 | .7 | .1 | .1 | | | | | | 1.8 | 10.0 |
| WNW | .4 | .4 | .3 | .5 | .5 | .5 | .4 | | | | | 3.0 | 15.2 |
| NW | 1.1 | 1.3 | .4 | 1.1 | .3 | .5 | | | | | | 4.6 | 9.5 |
| NNW | 1.1 | .9 | .8 | 1.1 | .3 | .3 | | | | | | 4.4 | 9.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 14.4 | |
| | 17.0 | 26.4 | 13.1 | 11.2 | 8.8 | 6.3 | 2.4 | .4 | | | | 100.0 | 8.4 |

TOTAL NUMBER OF OBSERVATIONS 758

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

# 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.

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

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ⅝ | ≥ ½ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | |
| ≥ 1800 ≥ 1500 | | | | | 91.0 | | | | | | | | | | | 92.6 |
| ≥ 1200 ≥ 1000 | | | | | | | | | | | | | | | | |
| ≥ 900 ≥ 800 | | | | | | | | | | | | | | | | |
| ≥ 700 ≥ 600 | | | | | | | | | | | | | | | | |
| ≥ 500 ≥ 400 | | | | | | | | | | 97.4 | | | | | | 98.1 |
| ≥ 300 ≥ 200 | | | | | | | | | | | | | | | | |
| ≥ 100 ≥ 0 | | | | | 95.4 | | 96.9 | | | 98.3 | | | | | | 100.0 |

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

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

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

## ADDITIONAL EXAMPLES

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

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

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

The value 91.0 read from the table at the intersection of $\geq$ 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.

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

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# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 41-46,51-72 (YEARS) ALL (MONTH)

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

ALL (HOURS (LST))

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥ ⅜ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 78.9 | 79.3 | 79.3 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 |
| ≥ 20000 | 86.0 | 86.4 | 86.5 | 86.5 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| ≥ 18000 | 86.6 | 87.0 | 87.1 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| ≥ 16000 | 87.6 | 88.1 | 88.1 | 88.2 | 88.2 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| ≥ 14000 | 89.9 | 90.3 | 90.4 | 90.5 | 90.5 | 90.5 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| ≥ 12000 | 92.1 | 92.6 | 92.7 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| ≥ 10000 | 93.5 | 94.0 | 94.1 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| ≥ 9000 | 93.9 | 94.5 | 94.6 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| ≥ 8000 | 94.8 | 95.4 | 95.5 | 95.5 | 95.6 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| ≥ 7000 | 95.5 | 96.1 | 96.2 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| ≥ 6000 | 96.5 | 97.1 | 97.2 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| ≥ 5000 | 97.2 | 97.9 | 98.0 | 98.1 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.4 |
| ≥ 4500 | 97.5 | 98.1 | 98.3 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥ 4000 | 97.8 | 98.5 | 98.7 | 98.7 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 |
| ≥ 3500 | 98.0 | 98.7 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 3000 | 98.2 | 99.0 | 99.1 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 2500 | 98.2 | 99.0 | 99.2 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 2000 | 98.3 | 99.1 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1800 | 98.3 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1500 | 98.3 | 99.2 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1200 | 98.3 | 99.2 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1000 | 98.4 | 99.2 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 900 | 98.4 | 99.2 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 800 | 98.4 | 99.2 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 700 | 98.4 | 99.2 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 600 | 98.4 | 99.3 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 500 | 98.4 | 99.3 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 400 | 98.4 | 99.3 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 300 | 98.4 | 99.3 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 200 | 98.4 | 99.3 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 98.4 | 99.3 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 98.4 | 99.3 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 227469

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

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# CEILING VERSUS VISIBILITY

22111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,52-72 (YEARS) JAN (MONTH)

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

ALL (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 72.3 | 72.9 | 73.0 | 73.1 | 73.1 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.3 |
| ≥ 20000 | 81.4 | 82.2 | 82.3 | 82.4 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| ≥ 18000 | 82.2 | 83.0 | 83.1 | 83.2 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.4 | 83.4 | 83.4 | 83.4 |
| ≥ 16000 | 83.4 | 84.3 | 84.4 | 84.5 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| ≥ 14000 | 85.6 | 86.4 | 86.6 | 86.6 | 86.7 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.9 |
| ≥ 12000 | 87.8 | 88.7 | 88.8 | 88.9 | 88.9 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.1 | 89.1 |
| ≥ 10000 | 89.1 | 90.0 | 90.2 | 90.3 | 90.3 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.5 |
| ≥ 9000 | 89.6 | 90.6 | 90.8 | 90.9 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| ≥ 8000 | 90.6 | 91.6 | 91.8 | 91.9 | 92.0 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.2 |
| ≥ 7000 | 91.4 | 92.4 | 92.6 | 92.7 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| ≥ 6000 | 92.6 | 93.7 | 93.9 | 94.0 | 94.1 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.3 |
| ≥ 5000 | 94.0 | 95.2 | 95.4 | 95.5 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.9 |
| ≥ 4500 | 94.6 | 95.8 | 96.0 | 96.2 | 96.3 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.5 | 96.5 | 96.5 | 96.5 |
| ≥ 4000 | 95.1 | 96.5 | 96.8 | 96.9 | 97.0 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 |
| ≥ 3500 | 95.5 | 97.1 | 97.4 | 97.5 | 97.7 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 98.0 |
| ≥ 3000 | 96.0 | 97.7 | 98.0 | 98.1 | 98.3 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥ 2500 | 96.1 | 97.9 | 98.2 | 98.4 | 98.6 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 |
| ≥ 2000 | 96.3 | 98.1 | 98.5 | 98.7 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 1800 | 96.3 | 98.2 | 98.6 | 98.8 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 1500 | 96.4 | 98.3 | 98.7 | 98.8 | 99.1 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 |
| ≥ 1200 | 96.4 | 98.3 | 98.7 | 98.9 | 99.1 | 99.2 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 |
| ≥ 1000 | 96.4 | 98.4 | 98.8 | 99.0 | 99.2 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 |
| ≥ 900 | 96.4 | 98.4 | 98.8 | 99.0 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 800 | 96.4 | 98.4 | 98.8 | 99.0 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 700 | 96.4 | 98.4 | 98.8 | 99.0 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 600 | 96.5 | 98.4 | 98.8 | 99.0 | 99.3 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 |
| ≥ 500 | 96.5 | 98.4 | 98.9 | 99.1 | 99.3 | 99.5 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 400 | 96.5 | 98.4 | 98.9 | 99.1 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 300 | 96.5 | 98.4 | 98.9 | 99.1 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 200 | 96.5 | 98.4 | 98.9 | 99.1 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 100 | 96.5 | 98.4 | 98.9 | 99.1 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 0 | 96.5 | 98.4 | 98.9 | 99.1 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 19200

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,52-72 (YEARS) FEB (MONTH)

ALL (HOURS (L ST))

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

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 74.3 | 74.5 | 74.5 | 74.5 | 74.5 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 |
| ≥ 20000 | 82.9 | 83.1 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| ≥ 18000 | 83.6 | 83.8 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| ≥ 16000 | 84.8 | 84.9 | 85.0 | 85.0 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| ≥ 14000 | 86.9 | 87.1 | 87.1 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 |
| ≥ 12000 | 88.9 | 89.2 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| ≥ 10000 | 90.8 | 91.0 | 91.1 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| ≥ 9000 | 91.4 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| ≥ 8000 | 92.5 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| ≥ 7000 | 93.3 | 93.6 | 93.7 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| ≥ 6000 | 94.9 | 95.2 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.5 |
| ≥ 5000 | 96.2 | 96.7 | 96.8 | 96.9 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| ≥ 4500 | 96.7 | 97.2 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| ≥ 4000 | 97.4 | 97.9 | 98.0 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 3500 | 97.7 | 98.3 | 98.4 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 3000 | 98.1 | 98.7 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 2500 | 98.3 | 98.9 | 99.1 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 2000 | 98.4 | 99.1 | 99.2 | 99.3 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 1800 | 98.4 | 99.1 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 |
| ≥ 1500 | 98.4 | 99.2 | 99.3 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 1200 | 98.5 | 99.2 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1000 | 98.5 | 99.2 | 99.4 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 900 | 98.5 | 99.3 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 800 | 98.5 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 700 | 98.5 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 600 | 98.5 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 500 | 98.5 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 400 | 98.5 | 99.3 | 99.5 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 300 | 98.5 | 99.3 | 99.5 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 98.5 | 99.3 | 99.5 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 98.5 | 99.3 | 99.5 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 98.5 | 99.3 | 99.5 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 17096

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

22111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-45,52-72 (YEARS) MAR (MONTH)

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

ALL (HOURS L.S.T.)

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 75.9 | 76.1 | 76.1 | 76.1 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 |
| ≥ 20000 | 84.5 | 84.8 | 84.8 | 84.8 | 84.9 | 84.9 | 84.9 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 |
| ≥ 18000 | 85.3 | 85.5 | 85.5 | 85.6 | 85.6 | 85.6 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| ≥ 16000 | 86.4 | 86.7 | 86.7 | 86.7 | 86.8 | 86.8 | 86.8 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 |
| ≥ 14000 | 87.8 | 88.1 | 88.2 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| ≥ 12000 | 89.5 | 89.8 | 89.9 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| ≥ 10000 | 90.8 | 91.1 | 91.1 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| ≥ 9000 | 91.2 | 91.5 | 91.6 | 91.6 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 |
| ≥ 8000 | 92.3 | 92.6 | 92.7 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| ≥ 7000 | 93.3 | 93.7 | 93.7 | 93.8 | 93.8 | 93.8 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| ≥ 6000 | 94.7 | 95.0 | 95.1 | 95.1 | 95.2 | 95.2 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| ≥ 5000 | 96.0 | 96.4 | 96.4 | 96.5 | 96.5 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| ≥ 4500 | 96.4 | 96.8 | 96.8 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| ≥ 4000 | 97.1 | 97.6 | 97.6 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| ≥ 3500 | 97.6 | 98.1 | 98.2 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 3000 | 98.2 | 98.8 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 2500 | 98.4 | 99.0 | 99.1 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 2000 | 98.5 | 99.2 | 99.3 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1800 | 98.6 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1500 | 98.6 | 99.3 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1200 | 98.6 | 99.3 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1000 | 98.6 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 900 | 98.6 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 800 | 98.6 | 99.4 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 700 | 98.7 | 99.4 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 600 | 98.7 | 99.4 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 500 | 98.7 | 99.4 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 98.7 | 99.4 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 98.7 | 99.4 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 98.7 | 99.4 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 98.7 | 99.4 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0 | 98.7 | 99.4 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 18501

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) APR (MONTH)

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

ALL (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥0 | ≥0 |
| NO CEILING | 81.5 | 81.8 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 |
| ≥ 20000 | 88.9 | 89.2 | 89.2 | 89.2 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 |
| ≥ 18000 | 89.5 | 89.8 | 89.9 | 89.9 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| ≥ 16000 | 90.3 | 90.6 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| ≥ 14000 | 91.4 | 91.6 | 91.8 | 91.8 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| ≥ 12000 | 92.9 | 93.2 | 93.3 | 93.3 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| ≥ 10000 | 94.1 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| ≥ 9000 | 94.5 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| ≥ 8000 | 95.3 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| ≥ 7000 | 96.2 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| ≥ 6000 | 97.3 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| ≥ 5000 | 98.2 | 98.5 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥ 4500 | 98.4 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 |
| ≥ 4000 | 98.8 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 |
| ≥ 3500 | 98.9 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 3000 | 99.0 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 |
| ≥ 2500 | 99.1 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| ≥ 2000 | 99.1 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1800 | 99.1 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1500 | 99.1 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1200 | 99.2 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 1000 | 99.2 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.2 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.2 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.2 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.2 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.2 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.2 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.2 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.2 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.2 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.2 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 18920

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

22111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) MAY (MONTH)

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

ALL (HOURS LST)

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 ½ | ≥2 | ≥1 ½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 86.2 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 |
| ≥ 20000 | 93.5 | 93.6 | 93.6 | 93.6 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| ≥ 18000 | 94.0 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| ≥ 16000 | 94.7 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| ≥ 14000 | 96.2 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| ≥ 12000 | 97.2 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| ≥ 10000 | 97.9 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 9000 | 98.0 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 8000 | 98.5 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥ 7000 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 6000 | 99.2 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 5000 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 4500 | 99.0 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 4000 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 3500 | 99.0 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3000 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2500 | 99.0 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2000 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.0 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.5 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.0 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 19967

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111 STATION — LUKE AFB ARIZONA/PHOENIX STATION NAME — 42-46,51-72 YEARS — JUN MONTH

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

ALL HOURS LST

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥0 | ≥0 |
| NO CEILING | 90.1 | 90.2 | 90.3 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| ≥ 20000 | 94.0 | 94.2 | 94.2 | 94.3 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| ≥ 18000 | 94.4 | 94.6 | 94.7 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| ≥ 16000 | 95.3 | 95.5 | 95.5 | 95.6 | 95.6 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| ≥ 14000 | 96.6 | 96.8 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 |
| ≥ 12000 | 97.8 | 98.0 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 10000 | 98.3 | 98.5 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥ 9000 | 98.4 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 8000 | 98.8 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 7000 | 99.1 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 6000 | 99.3 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| ≥ 5000 | 99.4 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 4500 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 4000 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3500 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3000 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2500 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2000 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 19066

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

23111 (STATION NUMBER) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) JUL (MONTH)

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

ALL (HOURS LST)

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥0 | ≥0 |
| NO CEILING | 72.3 | 72.6 | 72.7 | 72.7 | 72.7 | 72.7 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
| ≥ 20000 | 80.4 | 80.7 | 80.8 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 |
| ≥ 18000 | 80.9 | 81.3 | 81.4 | 81.4 | 81.4 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 |
| ≥ 16000 | 82.6 | 83.0 | 83.1 | 83.1 | 83.1 | 83.2 | 83.2 | 83.2 | 83.2 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| ≥ 14000 | 88.2 | 88.6 | 88.7 | 88.8 | 88.8 | 88.8 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 |
| ≥ 12000 | 93.3 | 93.7 | 93.8 | 93.9 | 94.0 | 94.0 | 94.0 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| ≥ 10000 | 95.5 | 96.0 | 96.1 | 96.2 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| ≥ 9000 | 96.1 | 96.6 | 96.7 | 96.8 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 |
| ≥ 8000 | 97.0 | 97.6 | 97.7 | 97.8 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.2 |
| ≥ 7000 | 97.7 | 98.3 | 98.5 | 98.6 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 |
| ≥ 6000 | 98.1 | 98.8 | 98.9 | 99.0 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 5000 | 98.3 | 99.0 | 99.2 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 4500 | 98.4 | 99.1 | 99.2 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 4000 | 98.4 | 99.1 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 3500 | 98.4 | 99.1 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 3000 | 98.4 | 99.1 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 |
| ≥ 2500 | 98.4 | 99.2 | 99.3 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| ≥ 2000 | 98.4 | 99.2 | 99.3 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| ≥ 1800 | 98.4 | 99.2 | 99.3 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1500 | 98.4 | 99.2 | 99.3 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1200 | 98.4 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1000 | 98.4 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 900 | 98.4 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 800 | 98.4 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 700 | 98.4 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 600 | 98.4 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 500 | 98.4 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 400 | 98.4 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 300 | 98.4 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 200 | 98.4 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 100 | 98.4 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 0 | 98.4 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 19803

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL (HOURS LST)

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1¾ | ≥1½ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 72.2 | 72.4 | 72.4 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| ≥ 20000 | 80.8 | 81.1 | 81.2 | 81.2 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.4 |
| ≥ 18000 | 81.5 | 81.8 | 81.9 | 81.9 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 |
| ≥ 16000 | 83.2 | 83.5 | 83.6 | 83.6 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.8 |
| ≥ 14000 | 88.3 | 88.6 | 88.7 | 88.7 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 |
| ≥ 12000 | 92.2 | 92.6 | 92.7 | 92.7 | 92.8 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 93.0 | 93.0 |
| ≥ 10000 | 94.2 | 94.6 | 94.7 | 94.7 | 94.8 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| ≥ 9000 | 94.9 | 95.3 | 95.5 | 95.5 | 95.6 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.8 | 95.8 |
| ≥ 8000 | 96.0 | 96.5 | 96.7 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.1 |
| ≥ 7000 | 96.7 | 97.3 | 97.5 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 |
| ≥ 6000 | 97.4 | 98.2 | 98.4 | 98.5 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 |
| ≥ 5000 | 97.8 | 98.6 | 98.8 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 |
| ≥ 4500 | 97.8 | 98.6 | 98.9 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 |
| ≥ 4000 | 98.0 | 98.8 | 99.0 | 99.1 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 3500 | 98.0 | 98.8 | 99.1 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 |
| ≥ 3000 | 98.0 | 98.8 | 99.1 | 99.2 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 |
| ≥ 2500 | 98.1 | 98.9 | 99.2 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 2000 | 98.1 | 98.9 | 99.2 | 99.3 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 |
| ≥ 1800 | 98.1 | 98.9 | 99.2 | 99.3 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 |
| ≥ 1500 | 98.1 | 98.9 | 99.2 | 99.3 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 |
| ≥ 1200 | 98.1 | 98.9 | 99.2 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1000 | 98.1 | 98.9 | 99.2 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 900 | 98.1 | 98.9 | 99.2 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 800 | 98.1 | 98.9 | 99.2 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 700 | 98.1 | 98.9 | 99.2 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 600 | 98.1 | 98.9 | 99.2 | 99.3 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| ≥ 500 | 98.1 | 98.9 | 99.2 | 99.3 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 400 | 98.1 | 98.9 | 99.2 | 99.3 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 300 | 98.1 | 98.9 | 99.2 | 99.3 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 200 | 98.1 | 98.9 | 99.2 | 99.3 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 100 | 98.1 | 98.9 | 99.2 | 99.3 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 0 | 98.1 | 98.9 | 99.2 | 99.3 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 19314

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) SEP (MONTH)

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

ALL (HOURS L S)

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1¾ | ≥1½ | ≥1 | ≥⅞ | ≥¾ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 86.3 | 86.4 | 86.4 | 86.4 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| ≥ 20000 | 89.2 | 89.3 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| ≥ 18000 | 89.5 | 89.6 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| ≥ 16000 | 90.2 | 90.3 | 90.3 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| ≥ 14000 | 92.1 | 92.2 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| ≥ 12000 | 94.3 | 94.5 | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| ≥ 10000 | 95.7 | 95.9 | 95.9 | 96.0 | 96.0 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| ≥ 9000 | 96.2 | 96.4 | 96.4 | 96.5 | 96.5 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| ≥ 8000 | 97.0 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| ≥ 7000 | 97.5 | 97.7 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 |
| ≥ 6000 | 98.4 | 98.7 | 98.7 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 5000 | 98.8 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 4500 | 98.8 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 4000 | 99.0 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 3500 | 99.1 | 99.3 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 3000 | 99.2 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 2500 | 99.2 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 2000 | 99.2 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1800 | 99.2 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1500 | 99.2 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1200 | 99.2 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1000 | 99.2 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 900 | 99.2 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 800 | 99.2 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 700 | 99.2 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.2 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.2 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.2 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.2 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.2 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.2 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.2 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 18689

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) OCT (MONTH)

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

ALL (HOURS LST)

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 84.3 | 84.5 | 84.5 | 84.5 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| ≥ 20000 | 89.6 | 89.8 | 89.9 | 89.9 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| ≥ 18000 | 90.2 | 90.4 | 90.5 | 90.5 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| ≥ 16000 | 90.7 | 91.0 | 91.0 | 91.1 | 91.1 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| ≥ 14000 | 92.2 | 92.5 | 92.5 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| ≥ 12000 | 93.9 | 94.2 | 94.2 | 94.3 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| ≥ 10000 | 94.9 | 95.2 | 95.3 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| ≥ 9000 | 95.2 | 95.5 | 95.6 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| ≥ 8000 | 96.1 | 96.5 | 96.5 | 96.6 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| ≥ 7000 | 96.6 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| ≥ 6000 | 97.6 | 98.1 | 98.2 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 5000 | 98.4 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 4500 | 98.5 | 99.1 | 99.1 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 4000 | 98.8 | 99.3 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 3500 | 98.8 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 3000 | 98.9 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 2500 | 98.9 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 2000 | 98.9 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1800 | 99.0 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1500 | 99.0 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1200 | 99.0 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1000 | 99.0 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.0 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.0 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.0 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.0 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.0 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.0 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.0 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.0 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.0 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.0 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 19309

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) NOV (MONTH)

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

ALL (HOURS LST)

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥0 | ≥0 |
| NO CEILING | 79.5 | 80.0 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 |
| ≥ 20000 | 86.2 | 86.7 | 80.8 | 86.8 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 |
| ≥ 18000 | 87.0 | 87.6 | 87.7 | 87.7 | 87.7 | 87.8 | 87.3 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| ≥ 16000 | 87.9 | 88.4 | 88.5 | 88.5 | 88.6 | 88.6 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| ≥ 14000 | 89.5 | 90.2 | 90.3 | 90.3 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| ≥ 12000 | 91.2 | 91.9 | 92.0 | 92.0 | 92.1 | 92.1 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| ≥ 10000 | 92.7 | 93.5 | 93.7 | 93.7 | 93.8 | 93.8 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| ≥ 9000 | 93.2 | 94.0 | 94.1 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| ≥ 8000 | 94.1 | 94.9 | 95.0 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| ≥ 7000 | 94.9 | 95.7 | 95.9 | 95.9 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| ≥ 6000 | 95.9 | 96.8 | 97.0 | 97.0 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| ≥ 5000 | 96.9 | 97.8 | 98.0 | 98.1 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 4500 | 97.0 | 98.0 | 98.2 | 98.3 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 4000 | 97.4 | 98.4 | 98.6 | 98.7 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 3500 | 97.5 | 98.5 | 98.7 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 3000 | 97.8 | 98.8 | 99.0 | 99.1 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 2500 | 97.9 | 99.0 | 99.2 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 2000 | 98.0 | 99.1 | 99.4 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1800 | 98.0 | 99.2 | 99.4 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1500 | 98.0 | 99.2 | 99.4 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1200 | 98.0 | 99.2 | 99.4 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1000 | 98.0 | 99.2 | 99.4 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 900 | 98.0 | 99.2 | 99.4 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 800 | 98.1 | 99.2 | 99.4 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 700 | 98.1 | 99.2 | 99.5 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 600 | 98.1 | 99.2 | 99.5 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 500 | 98.1 | 99.2 | 99.5 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 98.1 | 99.2 | 99.5 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 98.1 | 99.2 | 99.5 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 98.1 | 99.2 | 99.5 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 98.1 | 99.2 | 99.5 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 98.1 | 99.2 | 99.5 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 18321

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 41-45,51-71 (YEARS) DEC (MONTH)

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

ALL (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 71.9 | 73.2 | 73.5 | 73.7 | 73.7 | 73.7 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.9 | 73.9 | 73.9 | 73.9 |
| ≥ 20000 | 80.1 | 81.7 | 81.9 | 82.2 | 82.2 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 |
| ≥ 18000 | 80.8 | 82.4 | 82.7 | 82.9 | 83.0 | 83.0 | 83.0 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.2 |
| ≥ 16000 | 81.7 | 83.3 | 83.6 | 83.8 | 83.9 | 83.9 | 83.9 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.1 |
| ≥ 14000 | 83.3 | 85.0 | 85.2 | 85.5 | 85.5 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| ≥ 12000 | 85.4 | 87.1 | 87.4 | 87.6 | 87.7 | 87.7 | 87.7 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| ≥ 10000 | 87.0 | 88.7 | 88.9 | 89.2 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| ≥ 9000 | 87.9 | 89.6 | 89.9 | 90.1 | 90.2 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.4 | 90.4 | 90.4 | 90.4 |
| ≥ 8000 | 89.0 | 90.7 | 91.0 | 91.3 | 91.4 | 91.4 | 91.4 | 91.5 | 91.5 | 91.3 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| ≥ 7000 | 90.4 | 92.1 | 92.4 | 92.7 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| ≥ 6000 | 91.7 | 93.5 | 93.8 | 94.0 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| ≥ 5000 | 93.2 | 95.1 | 95.4 | 95.6 | 95.7 | 95.8 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| ≥ 4500 | 93.7 | 95.6 | 95.9 | 96.1 | 96.2 | 96.3 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| ≥ 4000 | 94.3 | 96.3 | 96.6 | 96.9 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| ≥ 3500 | 94.8 | 96.8 | 97.2 | 97.5 | 97.6 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 |
| ≥ 3000 | 95.2 | 97.4 | 97.9 | 98.2 | 98.3 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥ 2500 | 95.3 | 97.6 | 98.1 | 98.4 | 98.6 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 2000 | 95.5 | 97.9 | 98.4 | 98.8 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 1800 | 95.6 | 98.0 | 98.5 | 98.8 | 99.0 | 99.0 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 1500 | 95.7 | 98.1 | 98.6 | 98.9 | 99.1 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 1200 | 95.7 | 98.1 | 98.7 | 99.0 | 99.2 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 1000 | 95.8 | 98.2 | 98.7 | 99.1 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 900 | 95.8 | 98.2 | 98.8 | 99.1 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 800 | 95.8 | 98.2 | 98.8 | 99.1 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 700 | 95.8 | 98.2 | 98.8 | 99.2 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 600 | 95.8 | 98.2 | 98.8 | 99.2 | 99.3 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 500 | 95.8 | 98.2 | 98.8 | 99.2 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 400 | 95.8 | 98.2 | 98.8 | 99.2 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 300 | 95.8 | 98.2 | 98.8 | 99.2 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 200 | 95.8 | 98.3 | 98.8 | 99.2 | 99.4 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 100 | 95.8 | 98.3 | 98.9 | 99.2 | 99.4 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| 0 | 95.8 | 98.3 | 98.9 | 99.2 | 99.4 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 19283

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

23111 STATION — LUKE AFB ARIZONA/PHOENIX STATION NAME — 42-46,52-72 YEARS — JAN MONTH

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

0000-0200 HOURS (LST)

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1¾ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 78,9 | 79,3 | 79,3 | 79,4 | 79,5 | 79,5 | 79,6 | 79,6 | 79,6 | 79,6 | 79,6 | 79,6 | 79,6 | 79,6 | 79,6 | 79,6 |
| > 20000 | 84,3 | 85,2 | 85,2 | 85,3 | 85,4 | 85,4 | 85,5 | 85,5 | 85,5 | 85,5 | 85,5 | 85,5 | 85,5 | 85,5 | 85,3 | 85,5 |
| ≥ 18000 | 85,2 | 85,5 | 85,5 | 85,6 | 85,7 | 85,8 | 85,8 | 85,8 | 85,8 | 85,8 | 85,8 | 85,8 | 85,8 | 85,8 | 85,8 | 85,8 |
| ≥ 16000 | 86,1 | 86,4 | 86,5 | 86,5 | 86,6 | 86,7 | 86,7 | 86,7 | 86,7 | 86,7 | 86,7 | 86,8 | 86,8 | 86,8 | 86,8 | 86,9 |
| ≥ 14000 | 87,8 | 88,1 | 88,1 | 88,2 | 88,3 | 88,3 | 88,3 | 88,4 | 88,4 | 88,4 | 88,4 | 88,4 | 88,4 | 88,4 | 88,4 | 88,4 |
| ≥ 12000 | 89,7 | 90,0 | 90,1 | 90,1 | 90,2 | 90,3 | 90,3 | 90,3 | 90,3 | 90,3 | 90,3 | 90,3 | 90,3 | 90,3 | 90,3 | 90,3 |
| ≥ 10000 | 91,2 | 91,5 | 91,6 | 91,7 | 91,8 | 91,9 | 91,9 | 91,9 | 91,9 | 91,9 | 91,9 | 91,9 | 91,9 | 91,9 | 91,9 | 91,9 |
| ≥ 9000 | 91,4 | 91,8 | 91,8 | 92,0 | 92,1 | 92,1 | 92,2 | 92,2 | 92,2 | 92,2 | 92,2 | 92,2 | 92,2 | 92,2 | 92,2 | 92,2 |
| ≥ 8000 | 92,4 | 92,9 | 92,9 | 93,1 | 93,2 | 93,2 | 93,3 | 93,3 | 93,3 | 93,3 | 93,3 | 93,3 | 93,3 | 93,3 | 93,3 | 93,3 |
| ≥ 7000 | 93,0 | 93,5 | 93,5 | 93,7 | 93,8 | 93,9 | 93,9 | 93,9 | 93,9 | 93,9 | 93,9 | 93,9 | 93,9 | 93,9 | 93,9 | 93,9 |
| ≥ 6000 | 94,0 | 94,4 | 94,5 | 94,7 | 94,8 | 94,8 | 94,9 | 94,9 | 94,9 | 94,9 | 94,9 | 94,9 | 94,9 | 94,9 | 94,9 | 94,9 |
| ≥ 5000 | 95,4 | 96,1 | 96,1 | 96,3 | 96,4 | 96,4 | 96,5 | 96,5 | 96,5 | 96,5 | 96,5 | 96,5 | 96,5 | 96,5 | 96,5 | 96,5 |
| ≥ 4500 | 96,1 | 96,9 | 96,9 | 97,1 | 97,2 | 97,2 | 97,3 | 97,3 | 97,3 | 97,3 | 97,3 | 97,3 | 97,3 | 97,3 | 97,3 | 97,3 |
| ≥ 4000 | 96,6 | 97,6 | 97,7 | 97,9 | 98,0 | 98,0 | 98,1 | 98,1 | 98,1 | 98,1 | 98,1 | 98,1 | 98,1 | 98,1 | 98,1 | 98,1 |
| ≥ 3500 | 97,1 | 98,2 | 98,2 | 98,4 | 98,5 | 98,6 | 98,6 | 98,6 | 98,6 | 98,6 | 98,7 | 98,7 | 98,7 | 98,7 | 98,7 | 98,7 |
| ≥ 3000 | 97,5 | 98,8 | 98,9 | 99,1 | 99,2 | 99,3 | 99,4 | 99,4 | 99,4 | 99,4 | 99,4 | 99,4 | 99,4 | 99,4 | 99,4 | 99,4 |
| ≥ 2500 | 97,5 | 99,0 | 99,1 | 99,3 | 99,5 | 99,6 | 99,7 | 99,7 | 99,7 | 99,7 | 99,7 | 99,7 | 99,7 | 99,7 | 99,7 | 99,7 |
| ≥ 2000 | 97,5 | 99,0 | 99,2 | 99,4 | 99,5 | 99,7 | 99,7 | 99,7 | 99,7 | 99,7 | 99,7 | 99,7 | 99,7 | 99,7 | 99,7 | 99,7 |
| ≥ 1800 | 97,6 | 99,0 | 99,2 | 99,4 | 99,6 | 99,7 | 99,7 | 99,7 | 99,7 | 99,7 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 |
| ≥ 1500 | 97,6 | 99,0 | 99,2 | 99,4 | 99,6 | 99,7 | 99,7 | 99,7 | 99,7 | 99,7 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 |
| ≥ 1200 | 97,6 | 99,0 | 99,2 | 99,4 | 99,6 | 99,7 | 99,7 | 99,7 | 99,7 | 99,8 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 |
| ≥ 1000 | 97,6 | 99,0 | 99,2 | 99,4 | 99,6 | 99,7 | 99,7 | 99,7 | 99,7 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 |
| ≥ 900 | 97,6 | 99,1 | 99,2 | 99,5 | 99,6 | 99,7 | 99,8 | 99,8 | 99,8 | 99,9 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| ≥ 800 | 97,6 | 99,1 | 99,2 | 99,5 | 99,6 | 99,7 | 99,8 | 99,8 | 99,8 | 99,9 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| ≥ 700 | 97,6 | 99,1 | 99,2 | 99,5 | 99,6 | 99,7 | 99,8 | 99,8 | 99,8 | 99,9 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| ≥ 600 | 97,6 | 99,1 | 99,2 | 99,5 | 99,6 | 99,7 | 99,8 | 99,8 | 99,8 | 99,9 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| ≥ 500 | 97,6 | 99,1 | 99,2 | 99,5 | 99,6 | 99,7 | 99,8 | 99,8 | 99,8 | 99,9 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| ≥ 400 | 97,6 | 99,1 | 99,2 | 99,5 | 99,6 | 99,7 | 99,8 | 99,8 | 99,8 | 99,9 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| ≥ 300 | 97,6 | 99,1 | 99,2 | 99,5 | 99,6 | 99,7 | 99,8 | 99,8 | 99,8 | 99,9 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| ≥ 200 | 97,6 | 99,1 | 99,2 | 99,5 | 99,6 | 99,7 | 99,8 | 99,8 | 99,8 | 99,9 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| ≥ 100 | 97,6 | 99,1 | 99,2 | 99,5 | 99,6 | 99,7 | 99,8 | 99,8 | 99,8 | 99,9 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| ≥ 0 | 97,6 | 99,1 | 99,2 | 99,5 | 99,6 | 99,7 | 99,8 | 99,8 | 99,8 | 99,9 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |

TOTAL NUMBER OF OBSERVATIONS 2393

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,52-72 (YEARS) JAN (MONTH)

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

0300-0500 (HOURS LST)

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 78.0 | 78.4 | 78.4 | 78.5 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.9 | 78.9 | 78.9 | 79.0 |
| ≥ 20000 | 84.2 | 84.6 | 84.7 | 84.8 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.2 |
| ≥ 18000 | 84.7 | 85.1 | 85.1 | 85.2 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.5 | 85.5 | 85.5 | 85.6 | 85.6 | 85.6 | 85.7 |
| ≥ 16000 | 85.4 | 85.8 | 85.9 | 86.0 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.4 |
| ≥ 14000 | 86.6 | 86.9 | 87.0 | 87.1 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.6 |
| ≥ 12000 | 88.3 | 88.7 | 88.7 | 88.9 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.2 | 89.2 | 89.2 | 89.3 |
| ≥ 10000 | 89.5 | 90.0 | 90.0 | 90.1 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.5 | 90.5 | 90.5 | 90.6 |
| ≥ 9000 | 89.9 | 90.4 | 90.5 | 90.6 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 91.0 | 91.0 | 91.0 | 91.1 |
| ≥ 8000 | 91.2 | 91.8 | 91.8 | 91.9 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.4 |
| ≥ 7000 | 92.2 | 92.8 | 92.8 | 92.9 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.4 | 93.4 | 93.4 | 93.5 |
| ≥ 6000 | 93.6 | 94.2 | 94.2 | 94.3 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 95.0 |
| ≥ 5000 | 95.1 | 95.8 | 95.9 | 96.0 | 96.3 | 96.3 | 96.3 | 96.3 | 96.4 | 96.4 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.6 |
| ≥ 4500 | 95.6 | 96.3 | 96.4 | 96.5 | 96.8 | 96.8 | 96.9 | 96.9 | 96.9 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.3 |
| ≥ 4000 | 96.0 | 96.8 | 96.9 | 97.0 | 97.4 | 97.4 | 97.4 | 97.4 | 97.5 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.8 |
| ≥ 3500 | 96.4 | 97.4 | 97.6 | 97.7 | 98.1 | 98.1 | 98.1 | 98.1 | 98.2 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.5 |
| ≥ 3000 | 96.8 | 97.8 | 98.0 | 98.1 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 99.0 |
| ≥ 2500 | 96.9 | 98.1 | 98.3 | 98.4 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.3 |
| ≥ 2000 | 97.0 | 98.1 | 98.3 | 98.4 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 |
| ≥ 1800 | 97.0 | 98.2 | 98.4 | 98.5 | 99.0 | 99.0 | 99.1 | 99.1 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 |
| ≥ 1500 | 97.1 | 98.3 | 98.5 | 98.6 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 |
| ≥ 1200 | 97.1 | 98.3 | 98.5 | 98.7 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 |
| ≥ 1000 | 97.2 | 98.3 | 98.6 | 98.7 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 |
| ≥ 900 | 97.2 | 98.3 | 98.6 | 98.7 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 800 | 97.2 | 98.3 | 98.6 | 98.7 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 700 | 97.2 | 98.3 | 98.6 | 98.7 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 |
| ≥ 600 | 97.3 | 98.4 | 98.7 | 98.8 | 99.3 | 99.4 | 99.5 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 |
| ≥ 500 | 97.3 | 98.4 | 98.7 | 98.8 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 400 | 97.3 | 98.4 | 98.7 | 98.8 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 300 | 97.3 | 98.4 | 98.7 | 98.8 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 200 | 97.3 | 98.4 | 98.7 | 98.8 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 100 | 97.3 | 98.4 | 98.7 | 98.8 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 0 | 97.3 | 98.4 | 98.7 | 98.8 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2405

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,52-72 (YEARS) JAN (MONTH)

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

0600-0800 (HOURS EST)

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 73.8 | 74.1 | 74.1 | 74.2 | 74.4 | 74.4 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.7 | 74.8 |
| ≥ 20000 | 80.7 | 81.0 | 81.0 | 81.0 | 81.3 | 81.3 | 81.5 | 81.5 | 81.5 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.7 | 81.7 |
| ≥ 18000 | 81.1 | 81.5 | 81.5 | 81.5 | 81.8 | 81.8 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.1 | 82.2 |
| ≥ 16000 | 82.9 | 83.3 | 83.3 | 83.3 | 83.5 | 83.6 | 83.7 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.9 | 84.0 |
| ≥ 14000 | 84.5 | 84.8 | 84.8 | 84.9 | 85.1 | 85.2 | 85.3 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.5 | 85.5 |
| ≥ 12000 | 87.1 | 87.5 | 87.5 | 87.5 | 87.8 | 87.8 | 88.0 | 88.0 | 88.0 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.2 | 88.2 |
| ≥ 10000 | 88.2 | 88.8 | 88.8 | 88.8 | 89.1 | 89.1 | 89.3 | 89.3 | 89.3 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.5 |
| ≥ 9000 | 89.2 | 89.8 | 89.8 | 89.9 | 90.1 | 90.2 | 90.4 | 90.4 | 90.4 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.6 | 90.6 |
| ≥ 8000 | 90.3 | 90.9 | 90.9 | 91.0 | 91.3 | 91.4 | 91.5 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.7 | 91.7 |
| ≥ 7000 | 90.8 | 91.4 | 91.4 | 91.5 | 91.9 | 91.9 | 92.1 | 92.1 | 92.1 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.3 | 92.3 |
| ≥ 6000 | 91.8 | 92.4 | 92.6 | 92.6 | 93.0 | 93.1 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.4 | 93.4 |
| ≥ 5000 | 93.6 | 94.5 | 94.6 | 94.7 | 95.1 | 95.1 | 95.3 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.5 | 95.6 |
| ≥ 4500 | 94.1 | 95.0 | 95.1 | 95.2 | 95.6 | 95.7 | 95.8 | 95.9 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.1 | 96.1 |
| ≥ 4000 | 94.6 | 95.7 | 95.8 | 96.0 | 96.4 | 96.5 | 96.7 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.9 | 96.9 |
| ≥ 3500 | 95.3 | 96.6 | 96.6 | 96.9 | 97.3 | 97.5 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 |
| ≥ 3000 | 95.8 | 97.2 | 97.4 | 97.5 | 98.0 | 98.1 | 98.3 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 |
| ≥ 2500 | 96.0 | 97.5 | 97.7 | 97.9 | 98.3 | 98.4 | 98.6 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 | 99.0 |
| ≥ 2000 | 96.1 | 97.6 | 97.8 | 98.0 | 98.4 | 98.5 | 98.8 | 98.8 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 |
| ≥ 1800 | 96.3 | 97.8 | 98.0 | 98.2 | 98.6 | 98.8 | 99.0 | 99.1 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 |
| ≥ 1500 | 96.3 | 97.8 | 98.0 | 98.2 | 98.7 | 98.8 | 99.0 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.5 |
| ≥ 1200 | 96.3 | 97.8 | 98.0 | 98.2 | 98.7 | 98.8 | 99.0 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.5 |
| ≥ 1000 | 96.4 | 97.9 | 98.1 | 98.3 | 98.8 | 98.9 | 99.1 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 |
| ≥ 900 | 96.4 | 97.9 | 98.2 | 98.4 | 98.8 | 99.0 | 99.3 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 |
| ≥ 800 | 96.4 | 97.9 | 98.2 | 98.4 | 98.8 | 99.0 | 99.3 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 |
| ≥ 700 | 96.4 | 97.9 | 98.2 | 98.4 | 98.8 | 99.0 | 99.3 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 |
| ≥ 600 | 96.4 | 97.9 | 98.2 | 98.4 | 98.8 | 99.0 | 99.3 | 99.5 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 |
| ≥ 500 | 96.4 | 97.9 | 98.2 | 98.4 | 98.8 | 99.0 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 |
| ≥ 400 | 96.4 | 97.9 | 98.2 | 98.4 | 98.8 | 99.0 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 |
| ≥ 300 | 96.4 | 97.9 | 98.2 | 98.4 | 98.8 | 99.0 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 |
| ≥ 200 | 96.4 | 97.9 | 98.2 | 98.4 | 98.8 | 99.0 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 |
| ≥ 100 | 96.4 | 97.9 | 98.2 | 98.4 | 98.8 | 99.0 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 |
| ≥ 0 | 96.4 | 97.9 | 98.2 | 98.4 | 98.8 | 99.0 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2406

USAF ETAC FORM NO 6* 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

22111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,52-72 (YEARS) JAN (MONTH)

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

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

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 69,3 | 69,8 | 70,0 | 70,2 | 70,2 | 70,3 | 70,3 | 70,4 | 70,4 | 70,4 | 70,4 | 70,4 | 70,4 | 70,4 | 70,4 | 70,4 |
| ≥ 20000 | 77,6 | 78,3 | 78,6 | 78,8 | 78,8 | 78,9 | 78,9 | 79,0 | 79,0 | 79,0 | 79,0 | 79,0 | 79,0 | 79,0 | 79,0 | 79,0 |
| ≥ 18000 | 79,1 | 79,8 | 80,1 | 80,3 | 80,3 | 80,4 | 80,4 | 80,5 | 80,5 | 80,5 | 80,5 | 80,5 | 80,5 | 80,5 | 80,5 | 80,5 |
| ≥ 16000 | 80,8 | 81,6 | 81,9 | 82,0 | 82,0 | 82,1 | 82,2 | 82,2 | 82,2 | 82,2 | 82,2 | 82,2 | 82,3 | 82,3 | 82,3 | 82,3 |
| ≥ 14000 | 84,1 | 85,0 | 85,2 | 85,4 | 85,4 | 85,5 | 85,6 | 85,6 | 85,6 | 85,6 | 85,6 | 85,6 | 85,6 | 85,6 | 85,6 | 85,6 |
| ≥ 12000 | 86,1 | 87,0 | 87,2 | 87,4 | 87,4 | 87,5 | 87,6 | 87,6 | 87,6 | 87,6 | 87,6 | 87,6 | 87,7 | 87,7 | 87,7 | 87,7 |
| ≥ 10000 | 87,8 | 88,7 | 88,9 | 89,1 | 89,1 | 89,2 | 89,3 | 89,3 | 89,3 | 89,3 | 89,3 | 89,3 | 89,4 | 89,4 | 89,4 | 89,4 |
| ≥ 9000 | 88,4 | 89,4 | 89,6 | 89,8 | 89,8 | 90,0 | 90,1 | 90,1 | 90,1 | 90,1 | 90,1 | 90,1 | 90,2 | 90,2 | 90,2 | 90,2 |
| ≥ 8000 | 89,6 | 90,6 | 90,9 | 91,1 | 91,1 | 91,4 | 91,4 | 91,5 | 91,5 | 91,5 | 91,5 | 91,5 | 91,5 | 91,5 | 91,5 | 91,5 |
| ≥ 7000 | 90,3 | 91,4 | 91,7 | 91,9 | 91,9 | 92,2 | 92,3 | 92,3 | 92,3 | 92,3 | 92,4 | 92,4 | 92,4 | 92,4 | 92,4 | 92,4 |
| ≥ 6000 | 91,3 | 92,5 | 92,9 | 93,1 | 93,1 | 93,3 | 93,4 | 93,5 | 93,5 | 93,5 | 93,5 | 93,5 | 93,5 | 93,5 | 93,5 | 93,6 |
| ≥ 5000 | 92,5 | 93,9 | 94,2 | 94,4 | 94,5 | 94,7 | 94,8 | 94,9 | 94,9 | 94,9 | 94,9 | 94,9 | 95,0 | 95,0 | 95,0 | 95,0 |
| ≥ 4500 | 92,9 | 94,3 | 94,7 | 94,9 | 95,0 | 95,2 | 95,3 | 95,4 | 95,4 | 95,4 | 95,5 | 95,5 | 95,5 | 95,5 | 95,5 | 95,5 |
| ≥ 4000 | 93,2 | 94,7 | 95,2 | 95,4 | 95,5 | 95,8 | 95,9 | 95,9 | 96,0 | 96,0 | 96,0 | 96,0 | 96,0 | 96,0 | 96,0 | 96,1 |
| ≥ 3500 | 93,5 | 95,1 | 95,5 | 95,7 | 95,9 | 96,3 | 96,4 | 96,5 | 96,5 | 96,5 | 96,6 | 96,6 | 96,6 | 96,6 | 96,6 | 96,7 |
| ≥ 3000 | 94,2 | 96,0 | 96,4 | 96,7 | 96,9 | 97,2 | 97,4 | 97,5 | 97,5 | 97,5 | 97,5 | 97,5 | 97,6 | 97,6 | 97,6 | 97,6 |
| ≥ 2500 | 94,4 | 96,3 | 96,8 | 97,1 | 97,4 | 97,7 | 97,9 | 98,0 | 98,0 | 98,0 | 98,0 | 98,0 | 98,1 | 98,1 | 98,1 | 98,1 |
| ≥ 2000 | 94,6 | 96,7 | 97,4 | 97,7 | 98,0 | 98,4 | 98,5 | 98,6 | 98,6 | 98,6 | 98,7 | 98,7 | 98,7 | 98,7 | 98,7 | 98,7 |
| ≥ 1800 | 94,7 | 96,9 | 97,6 | 97,9 | 98,2 | 98,5 | 98,7 | 98,8 | 98,9 | 98,9 | 99,0 | 99,0 | 99,0 | 99,0 | 99,0 | 99,0 |
| ≥ 1500 | 94,8 | 97,0 | 97,7 | 98,0 | 98,3 | 98,7 | 98,9 | 99,1 | 99,1 | 99,2 | 99,2 | 99,2 | 99,3 | 99,3 | 99,3 | 99,3 |
| ≥ 1200 | 94,8 | 97,0 | 97,7 | 98,0 | 98,3 | 98,7 | 98,9 | 99,1 | 99,2 | 99,2 | 99,2 | 99,2 | 99,3 | 99,3 | 99,3 | 99,3 |
| ≥ 1000 | 95,0 | 97,2 | 98,0 | 98,2 | 98,6 | 99,0 | 99,2 | 99,3 | 99,4 | 99,4 | 99,5 | 99,5 | 99,5 | 99,5 | 99,5 | 99,6 |
| ≥ 900 | 95,0 | 97,2 | 98,0 | 98,2 | 98,6 | 99,0 | 99,2 | 99,4 | 99,4 | 99,5 | 99,5 | 99,5 | 99,6 | 99,6 | 99,6 | 99,6 |
| ≥ 800 | 95,0 | 97,2 | 98,0 | 98,2 | 98,6 | 99,0 | 99,2 | 99,4 | 99,5 | 99,5 | 99,6 | 99,6 | 99,7 | 99,7 | 99,7 | 99,7 |
| ≥ 700 | 95,0 | 97,2 | 98,0 | 98,2 | 98,6 | 99,0 | 99,2 | 99,4 | 99,5 | 99,5 | 99,6 | 99,6 | 99,7 | 99,7 | 99,7 | 99,7 |
| ≥ 600 | 95,0 | 97,2 | 98,0 | 98,2 | 98,6 | 99,0 | 99,2 | 99,4 | 99,5 | 99,5 | 99,7 | 99,7 | 99,7 | 99,7 | 99,7 | 99,7 |
| ≥ 500 | 95,0 | 97,2 | 98,0 | 98,2 | 98,6 | 99,0 | 99,2 | 99,5 | 99,5 | 99,6 | 99,7 | 99,7 | 99,7 | 99,7 | 99,7 | 99,8 |
| ≥ 400 | 95,0 | 97,2 | 98,0 | 98,2 | 98,6 | 99,0 | 99,2 | 99,5 | 99,5 | 99,6 | 99,7 | 99,7 | 99,8 | 99,8 | 99,8 | 99,8 |
| ≥ 300 | 95,0 | 97,2 | 98,0 | 98,2 | 98,6 | 99,0 | 99,2 | 99,5 | 99,5 | 99,6 | 99,7 | 99,7 | 99,8 | 99,8 | 99,8 | 99,8 |
| ≥ 200 | 95,0 | 97,2 | 98,0 | 98,2 | 98,6 | 99,0 | 99,2 | 99,5 | 99,5 | 99,6 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,9 |
| ≥ 100 | 95,0 | 97,2 | 98,0 | 98,2 | 98,6 | 99,0 | 99,2 | 99,5 | 99,5 | 99,6 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,9 |
| 0 | 95,0 | 97,2 | 98,0 | 98,2 | 98,6 | 99,0 | 99,2 | 99,5 | 99,5 | 99,6 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 100,0 |

TOTAL NUMBER OF OBSERVATIONS 2397

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/ETAC

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,52-72 (YEARS) JAN (MONTH)

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

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

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥⅜ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 65.6 | 66.5 | 66.9 | 66.9 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 |
| ≥ 20000 | 78.8 | 80.4 | 80.8 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 |
| ≥ 18000 | 79.7 | 81.3 | 81.8 | 81.8 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| ≥ 16000 | 81.2 | 82.8 | 83.2 | 83.3 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 |
| ≥ 14000 | 83.5 | 85.1 | 85.6 | 85.6 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| ≥ 12000 | 85.9 | 87.5 | 88.0 | 88.0 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| ≥ 10000 | 87.4 | 89.0 | 89.4 | 89.5 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| ≥ 9000 | 88.0 | 89.8 | 90.3 | 90.3 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| ≥ 8000 | 89.0 | 90.8 | 91.3 | 91.4 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| ≥ 7000 | 89.6 | 91.6 | 92.1 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| ≥ 6000 | 90.6 | 92.5 | 93.1 | 93.1 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| ≥ 5000 | 92.1 | 94.0 | 94.6 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| ≥ 4500 | 92.5 | 94.4 | 95.0 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| ≥ 4000 | 93.1 | 95.0 | 95.7 | 95.8 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| ≥ 3500 | 93.8 | 95.9 | 96.5 | 96.7 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| ≥ 3000 | 94.3 | 96.5 | 97.2 | 97.4 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| ≥ 2500 | 94.5 | 96.8 | 97.5 | 97.7 | 97.8 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| ≥ 2000 | 94.8 | 97.3 | 98.1 | 98.3 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥ 1800 | 94.8 | 97.4 | 98.2 | 98.5 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 1500 | 94.9 | 97.5 | 98.4 | 98.7 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 1200 | 95.0 | 97.6 | 98.5 | 98.8 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 1000 | 95.1 | 97.8 | 98.7 | 99.0 | 99.1 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 900 | 95.1 | 97.8 | 98.7 | 99.0 | 99.1 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 800 | 95.1 | 97.8 | 98.8 | 99.0 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 700 | 95.1 | 97.8 | 98.8 | 99.0 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 600 | 95.1 | 97.9 | 98.9 | 99.2 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 500 | 95.1 | 97.9 | 98.9 | 99.2 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 400 | 95.1 | 98.0 | 99.0 | 99.3 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 95.1 | 98.0 | 99.0 | 99.3 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 95.1 | 98.0 | 99.0 | 99.3 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 95.1 | 98.0 | 99.0 | 99.3 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 95.1 | 98.0 | 99.0 | 99.3 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2404

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

22111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,52-72 (YEARS) JAN (MONTH)

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

1500-1700 (HOURS LST)

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 64.3 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 |
| ≥ 20000 | 78.3 | 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 | 80.3 | 80.3 |
| ≥ 18000 | 79.7 | 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 | 81.7 | 81.7 |
| ≥ 16000 | 81.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 |
| ≥ 14000 | 83.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 |
| ≥ 12000 | 86.4 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| ≥ 10000 | 88.0 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| ≥ 9000 | 88.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| ≥ 8000 | 89.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| ≥ 7000 | 90.2 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| ≥ 6000 | 91.8 | 93.9 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| ≥ 5000 | 93.1 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| ≥ 4500 | 93.7 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| ≥ 4000 | 94.4 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| ≥ 3500 | 94.8 | 97.4 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| ≥ 3000 | 95.5 | 98.0 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 2500 | 95.6 | 98.2 | 98.3 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 2000 | 95.8 | 98.5 | 98.8 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 1800 | 95.8 | 98.6 | 98.8 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 1500 | 95.8 | 98.7 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 1200 | 95.8 | 98.7 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 1000 | 95.8 | 98.8 | 99.1 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 900 | 95.8 | 98.8 | 99.1 | 99.2 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 800 | 95.8 | 98.8 | 99.2 | 99.3 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 700 | 95.8 | 98.8 | 99.2 | 99.3 | 99.5 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 600 | 95.8 | 98.8 | 99.2 | 99.3 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 500 | 95.8 | 98.9 | 99.2 | 99.3 | 99.6 | 99.6 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 400 | 95.8 | 98.9 | 99.2 | 99.3 | 99.6 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 95.8 | 98.9 | 99.2 | 99.3 | 99.6 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 95.8 | 98.9 | 99.2 | 99.3 | 99.6 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 95.8 | 98.9 | 99.2 | 99.3 | 99.6 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 95.8 | 98.9 | 99.2 | 99.3 | 99.6 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2403

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111 STATION LUKE AFB ARIZONA/PHOENIX STATION NAME 42-46,52-72 YEARS JAN MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000 LST

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥0 | ≥0 |
| NO CEILING | 70.9 | 71.2 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| ≥ 20000 | 81.2 | 81.5 | 81.9 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 |
| ≥ 18000 | 81.8 | 82.5 | 82.6 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 |
| ≥ 16000 | 83.2 | 83.9 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 |
| ≥ 14000 | 85.7 | 86.5 | 86.6 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| ≥ 12000 | 88.5 | 89.2 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| ≥ 10000 | 89.7 | 90.5 | 90.8 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| ≥ 9000 | 90.2 | 91.1 | 91.4 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| ≥ 8000 | 91.0 | 92.8 | 92.1 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| ≥ 7000 | 91.9 | 92.8 | 93.0 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| ≥ 6000 | 93.5 | 94.4 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| ≥ 5000 | 95.0 | 95.9 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| ≥ 4500 | 95.7 | 96.7 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| ≥ 4000 | 96.2 | 97.6 | 97.9 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| ≥ 3500 | 96.5 | 97.9 | 98.2 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 3000 | 96.6 | 98.1 | 98.6 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥ 2500 | 96.7 | 98.3 | 98.7 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 2000 | 97.1 | 98.7 | 99.2 | 99.3 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 1800 | 97.1 | 98.7 | 99.2 | 99.3 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 1500 | 97.2 | 98.7 | 99.2 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 1200 | 97.2 | 98.7 | 99.2 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1000 | 97.2 | 98.8 | 99.3 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 900 | 97.2 | 98.8 | 99.3 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 800 | 97.2 | 98.8 | 99.3 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 700 | 97.2 | 98.8 | 99.2 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 600 | 97.2 | 98.8 | 99.3 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 500 | 97.2 | 98.8 | 99.3 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 97.2 | 98.8 | 99.3 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 97.2 | 98.8 | 99.3 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 97.2 | 98.8 | 99.3 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 97.2 | 98.8 | 99.3 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 97.2 | 98.8 | 99.3 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2399

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111 STATION — LUKE AFB ARIZONA/PHOENIX STATION NAME — 42-46,52-72 YEARS — JAN MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 77.8 | 78.3 | 78.3 | 78.3 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 |
| ≥ 20000 | 85.5 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| ≥ 18000 | 85.9 | 86.5 | 86.6 | 86.6 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| ≥ 16000 | 86.5 | 87.1 | 87.2 | 87.2 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| ≥ 14000 | 88.5 | 89.2 | 89.3 | 89.3 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| ≥ 12000 | 90.3 | 90.9 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| ≥ 10000 | 91.0 | 91.7 | 91.8 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| ≥ 9000 | 91.3 | 92.0 | 92.1 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| ≥ 8000 | 92.3 | 93.0 | 93.1 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| ≥ 7000 | 93.1 | 93.8 | 93.9 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| ≥ 6000 | 94.3 | 95.0 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| ≥ 5000 | 95.4 | 96.3 | 96.4 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| ≥ 4500 | 95.8 | 96.9 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| ≥ 4000 | 96.5 | 97.8 | 98.0 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 3500 | 97.0 | 98.5 | 98.7 | 98.8 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 3000 | 97.2 | 99.0 | 99.2 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 2500 | 97.2 | 99.0 | 99.2 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 2000 | 97.2 | 99.0 | 99.3 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1800 | 97.2 | 99.0 | 99.3 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1500 | 97.2 | 99.0 | 99.3 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1200 | 97.2 | 99.0 | 99.3 | 99.5 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1000 | 97.2 | 99.0 | 99.3 | 99.5 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 900 | 97.2 | 99.0 | 99.3 | 99.5 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 800 | 97.2 | 99.0 | 99.3 | 99.5 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 700 | 97.2 | 99.0 | 99.3 | 99.5 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 600 | 97.2 | 99.0 | 99.3 | 99.5 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 500 | 97.2 | 99.0 | 99.3 | 99.5 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 97.2 | 99.0 | 99.3 | 99.5 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 97.2 | 99.0 | 99.3 | 99.5 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 97.2 | 99.0 | 99.3 | 99.5 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 97.2 | 99.0 | 99.3 | 99.5 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 97.2 | 99.0 | 99.3 | 99.5 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2393

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,52-72 (YEARS) FEB (MONTH)

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

0000-0200 (HOURS LST)

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥⅜ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 78.5 | 78.5 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 |
| ≥ 20000 | 84.6 | 84.7 | 84.8 | 84.8 | 84.8 | 84.8 | 84.9 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 |
| ≥ 18000 | 85.1 | 85.2 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.5 | 85.5 |
| ≥ 16000 | 86.0 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 | 86.3 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 |
| ≥ 14000 | 88.3 | 88.3 | 88.4 | 88.4 | 88.5 | 88.5 | 88.5 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.7 | 88.7 |
| ≥ 12000 | 90.5 | 90.5 | 90.6 | 90.6 | 90.7 | 90.7 | 90.7 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.9 | 90.9 |
| ≥ 10000 | 92.0 | 92.1 | 92.2 | 92.2 | 92.3 | 92.3 | 92.3 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.5 | 92.5 |
| ≥ 9000 | 92.4 | 92.4 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.8 | 92.8 |
| ≥ 8000 | 93.4 | 93.4 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.8 | 93.8 |
| ≥ 7000 | 94.3 | 94.4 | 94.6 | 94.6 | 94.7 | 94.7 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.9 | 94.9 |
| ≥ 6000 | 95.8 | 96.0 | 96.2 | 96.2 | 96.3 | 96.3 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| ≥ 5000 | 97.3 | 97.5 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 98.0 | 98.0 |
| ≥ 4500 | 97.5 | 97.8 | 98.0 | 98.0 | 98.1 | 98.1 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 4000 | 97.8 | 98.2 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 |
| ≥ 3500 | 98.1 | 98.5 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 |
| ≥ 3000 | 98.4 | 98.8 | 99.0 | 99.0 | 99.1 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 |
| ≥ 2500 | 98.5 | 99.0 | 99.2 | 99.2 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 |
| ≥ 2000 | 98.7 | 99.2 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 |
| ≥ 800 | 98.7 | 99.3 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| ≥ 1500 | 98.7 | 99.3 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| ≥ 1200 | 98.7 | 99.3 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| ≥ 1000 | 98.8 | 99.3 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 900 | 98.8 | 99.3 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 800 | 98.8 | 99.3 | 99.6 | 99.6 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 98.8 | 99.3 | 99.6 | 99.6 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 98.8 | 99.3 | 99.6 | 99.6 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 98.8 | 99.3 | 99.6 | 99.6 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 98.8 | 99.3 | 99.6 | 99.6 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 98.8 | 99.3 | 99.6 | 99.6 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 98.8 | 99.3 | 99.6 | 99.6 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 98.8 | 99.3 | 99.6 | 99.6 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 98.8 | 99.3 | 99.6 | 99.6 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2136

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

22111 LUKE AFB ARIZONA/PHOENIX 42-46,52-72 FEB
(WBAN) (STATION NAME) (YEARS) (MONTH)

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

0300-0500
(HOURS (LST))

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1¾ | ≥1½ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 78.7 | 79.0 | 79.0 | 79.0 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 |
| ≥ 20000 | 84.9 | 85.1 | 85.2 | 85.2 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| ≥ 18000 | 85.2 | 85.4 | 85.4 | 85.4 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 |
| ≥ 16000 | 85.9 | 86.2 | 86.2 | 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 |
| ≥ 14000 | 87.7 | 87.9 | 88.0 | 88.0 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| ≥ 12000 | 89.6 | 89.9 | 89.9 | 89.9 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| ≥ 10000 | 91.6 | 91.9 | 92.0 | 92.0 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| ≥ 9000 | 92.5 | 92.8 | 92.8 | 92.8 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| ≥ 8000 | 93.5 | 93.9 | 93.9 | 93.9 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| ≥ 7000 | 94.4 | 94.7 | 94.8 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| ≥ 6000 | 95.8 | 96.2 | 96.2 | 96.2 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| ≥ 5000 | 97.1 | 97.5 | 97.5 | 97.5 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.8 |
| ≥ 4500 | 97.4 | 97.9 | 97.9 | 97.9 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.2 |
| ≥ 4000 | 97.5 | 98.0 | 98.1 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 3500 | 97.8 | 98.4 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.7 |
| ≥ 3000 | 98.2 | 98.8 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 2500 | 98.5 | 99.2 | 99.3 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 2000 | 98.7 | 99.3 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 1800 | 98.7 | 99.4 | 99.5 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1500 | 98.7 | 99.4 | 99.5 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 |
| ≥ 1200 | 98.8 | 99.5 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1000 | 98.8 | 99.5 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 900 | 98.9 | 99.6 | 99.7 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 98.9 | 99.6 | 99.7 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 98.9 | 99.6 | 99.7 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 98.9 | 99.6 | 99.7 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 98.9 | 99.6 | 99.7 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 98.9 | 99.6 | 99.7 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 98.9 | 99.6 | 99.7 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 98.9 | 99.6 | 99.7 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 98.9 | 99.6 | 99.7 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 98.9 | 99.6 | 99.7 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2135

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,52-72 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800 (HOURS LST)

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 75,2 | 75,2 | 75,2 | 75,3 | 75,3 | 75,3 | 75,3 | 75,3 | 75,3 | 75,3 | 75,3 | 75,3 | 75,3 | 75,3 | 75,3 | 75,3 |
| ≥ 20000 | 82,3 | 82,4 | 82,4 | 82,5 | 82,5 | 82,5 | 82,5 | 82,5 | 82,5 | 82,5 | 82,5 | 82,5 | 82,5 | 82,5 | 82,5 | 82,5 |
| ≥ 18000 | 82,9 | 83,0 | 83,0 | 83,1 | 83,1 | 83,1 | 83,1 | 83,1 | 83,1 | 83,1 | 83,1 | 83,1 | 83,1 | 83,1 | 83,1 | 83,1 |
| ≥ 16000 | 84,3 | 84,4 | 84,4 | 84,5 | 84,5 | 84,5 | 84,5 | 84,5 | 84,5 | 84,5 | 84,5 | 84,5 | 84,5 | 84,5 | 84,5 | 84,5 |
| ≥ 14000 | 85,8 | 85,9 | 85,9 | 86,0 | 86,0 | 86,0 | 86,0 | 86,0 | 86,0 | 86,0 | 86,0 | 86,0 | 86,0 | 86,0 | 86,0 | 86,0 |
| ≥ 12000 | 88,6 | 88,7 | 88,7 | 88,8 | 88,8 | 88,8 | 88,8 | 88,8 | 88,8 | 88,8 | 88,8 | 88,8 | 88,8 | 88,8 | 88,8 | 88,8 |
| ≥ 10000 | 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 | 91,0 | 91,0 | 91,0 |
| ≥ 9000 | 91,4 | 91,6 | 91,6 | 91,6 | 91,6 | 91,6 | 91,6 | 91,6 | 91,6 | 91,6 | 91,6 | 91,6 | 91,6 | 91,6 | 91,6 | 91,6 |
| ≥ 8000 | 92,6 | 92,7 | 92,7 | 92,8 | 92,8 | 92,8 | 92,8 | 92,8 | 92,8 | 92,8 | 92,8 | 92,8 | 92,8 | 92,8 | 92,8 | 92,8 |
| ≥ 7000 | 93,6 | 93,8 | 93,8 | 93,9 | 93,9 | 93,9 | 93,9 | 93,9 | 93,9 | 93,9 | 93,9 | 93,9 | 93,9 | 93,9 | 93,9 | 93,9 |
| ≥ 6000 | 95,0 | 95,3 | 95,3 | 95,3 | 95,3 | 95,3 | 95,3 | 95,3 | 95,3 | 95,3 | 95,3 | 95,3 | 95,3 | 95,3 | 95,3 | 95,4 |
| ≥ 5000 | 96,7 | 97,1 | 97,1 | 97,2 | 97,2 | 97,2 | 97,2 | 97,2 | 97,2 | 97,2 | 97,2 | 97,2 | 97,3 | 97,3 | 97,3 | 97,4 |
| ≥ 4500 | 97,2 | 97,7 | 97,8 | 97,8 | 97,8 | 97,8 | 97,8 | 97,8 | 97,8 | 97,8 | 97,8 | 97,8 | 97,9 | 97,9 | 97,9 | 98,0 |
| ≥ 4000 | 97,8 | 98,2 | 98,4 | 98,5 | 98,5 | 98,5 | 98,5 | 98,5 | 98,5 | 98,5 | 98,5 | 98,5 | 98,5 | 98,5 | 98,5 | 98,6 |
| ≥ 3500 | 98,1 | 98,6 | 98,7 | 98,8 | 98,8 | 98,8 | 98,8 | 98,8 | 98,8 | 98,8 | 98,8 | 98,8 | 98,9 | 98,9 | 98,9 | 99,0 |
| ≥ 3000 | 98,4 | 98,9 | 99,0 | 99,1 | 99,1 | 99,1 | 99,1 | 99,1 | 99,1 | 99,1 | 99,1 | 99,1 | 99,2 | 99,2 | 99,2 | 99,3 |
| ≥ 2500 | 98,6 | 99,1 | 99,2 | 99,3 | 99,3 | 99,3 | 99,3 | 99,3 | 99,3 | 99,3 | 99,3 | 99,3 | 99,4 | 99,4 | 99,4 | 99,5 |
| ≥ 2000 | 98,7 | 99,3 | 99,4 | 99,6 | 99,6 | 99,6 | 99,6 | 99,6 | 99,6 | 99,6 | 99,6 | 99,6 | 99,7 | 99,7 | 99,7 | 99,8 |
| ≥ 1800 | 98,7 | 99,3 | 99,4 | 99,6 | 99,6 | 99,6 | 99,6 | 99,6 | 99,6 | 99,6 | 99,6 | 99,6 | 99,7 | 99,7 | 99,7 | 99,8 |
| ≥ 1500 | 98,7 | 99,3 | 99,4 | 99,6 | 99,7 | 99,7 | 99,7 | 99,7 | 99,7 | 99,7 | 99,7 | 99,7 | 99,8 | 99,8 | 99,8 | 99,9 |
| ≥ 1200 | 98,7 | 99,3 | 99,4 | 99,6 | 99,7 | 99,7 | 99,7 | 99,7 | 99,7 | 99,7 | 99,7 | 99,7 | 99,8 | 99,8 | 99,8 | 99,9 |
| ≥ 1000 | 98,8 | 99,4 | 99,5 | 99,7 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,9 | 99,9 | 99,9 | 100,0 |
| ≥ 900 | 98,8 | 99,4 | 99,5 | 99,7 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,9 | 99,9 | 99,9 | 100,0 |
| ≥ 800 | 98,8 | 99,4 | 99,5 | 99,7 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,9 | 99,9 | 99,9 | 100,0 |
| ≥ 700 | 98,8 | 99,4 | 99,5 | 99,7 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,9 | 99,9 | 99,9 | 100,0 |
| ≥ 600 | 98,8 | 99,4 | 99,5 | 99,7 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,9 | 99,9 | 99,9 | 100,0 |
| ≥ 500 | 98,8 | 99,4 | 99,5 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,9 | 99,9 | 99,9 | 100,0 |
| ≥ 400 | 98,8 | 99,4 | 99,5 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,9 | 99,9 | 99,9 | 100,0 |
| ≥ 300 | 98,8 | 99,4 | 99,5 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,9 | 99,9 | 99,9 | 100,0 |
| ≥ 200 | 98,8 | 99,4 | 99,5 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,9 | 99,9 | 99,9 | 100,0 |
| ≥ 100 | 98,8 | 99,4 | 99,5 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,9 | 99,9 | 99,9 | 100,0 |
| ≥ 0 | 98,8 | 99,4 | 99,5 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,9 | 99,9 | 99,9 | 100,0 |

TOTAL NUMBER OF OBSERVATIONS 2137

USAF ETAC FORM NO. 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

23111 (WBAN) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,52-72 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100 (HOURS LST)

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | <2 | ≥1¾ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 73,6 | 73,7 | 73,8 | 73,8 | 73,8 | 73,8 | 73,8 | 73,8 | 73,8 | 73,8 | 73,8 | 73,8 | 73,8 | 73,8 | 73,8 | 73,8 |
| ≥ 20000 | 82,9 | 83,1 | 83,2 | 83,2 | 83,2 | 83,2 | 83,2 | 83,2 | 83,2 | 83,2 | 83,2 | 83,2 | 83,2 | 83,2 | 83,2 | 83,2 |
| ≥ 18000 | 83,4 | 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 | 83,7 | 83,7 |
| ≥ 16000 | 84,4 | 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 | 84,7 | 84,7 |
| ≥ 14000 | 86,3 | 86,4 | 86,6 | 86,6 | 86,6 | 86,6 | 86,6 | 86,6 | 86,6 | 86,6 | 86,6 | 86,6 | 86,6 | 86,6 | 86,6 | 86,6 |
| ≥ 12000 | 88,3 | 88,5 | 88,6 | 88,6 | 88,6 | 88,7 | 88,7 | 88,7 | 88,7 | 88,7 | 88,7 | 88,7 | 88,7 | 88,7 | 88,7 | 88,7 |
| ≥ 10000 | 90,5 | 90,7 | 90,9 | 90,9 | 90,9 | 91,0 | 91,0 | 91,0 | 91,0 | 91,0 | 91,0 | 91,0 | 91,0 | 91,0 | 91,0 | 91,0 |
| ≥ 9000 | 91,2 | 91,4 | 91,6 | 91,6 | 91,6 | 91,7 | 91,7 | 91,7 | 91,7 | 91,7 | 91,7 | 91,7 | 91,7 | 91,7 | 91,7 | 91,7 |
| ≥ 8000 | 92,3 | 92,6 | 92,7 | 92,8 | 92,8 | 92,9 | 92,9 | 92,9 | 92,9 | 92,9 | 92,9 | 92,9 | 92,9 | 92,9 | 92,9 | 92,9 |
| ≥ 7000 | 93,3 | 93,5 | 93,7 | 93,7 | 93,8 | 93,8 | 93,8 | 93,8 | 93,8 | 93,8 | 93,8 | 93,8 | 93,8 | 93,8 | 93,8 | 93,8 |
| ≥ 6000 | 94,8 | 95,2 | 95,3 | 95,4 | 95,5 | 95,6 | 95,6 | 95,6 | 95,6 | 95,6 | 95,6 | 95,6 | 95,6 | 95,6 | 95,6 | 95,6 |
| ≥ 5000 | 96,0 | 96,5 | 96,6 | 96,7 | 96,8 | 96,9 | 96,9 | 96,9 | 96,9 | 96,9 | 96,9 | 96,9 | 96,9 | 96,9 | 96,9 | 96,9 |
| ≥ 4500 | 96,3 | 96,8 | 96,9 | 97,0 | 97,1 | 97,1 | 97,1 | 97,1 | 97,1 | 97,1 | 97,1 | 97,1 | 97,1 | 97,1 | 97,1 | 97,1 |
| ≥ 4000 | 97,3 | 97,8 | 98,0 | 98,1 | 98,2 | 98,2 | 98,2 | 98,2 | 98,2 | 98,2 | 98,2 | 98,2 | 98,2 | 98,2 | 98,2 | 98,2 |
| ≥ 3500 | 97,8 | 98,4 | 98,5 | 98,6 | 98,7 | 98,8 | 98,8 | 98,8 | 98,8 | 98,8 | 98,8 | 98,8 | 98,8 | 98,8 | 98,8 | 98,8 |
| ≥ 3000 | 98,3 | 98,9 | 99,0 | 99,1 | 99,2 | 99,3 | 99,3 | 99,3 | 99,3 | 99,3 | 99,3 | 99,3 | 99,3 | 99,3 | 99,3 | 99,3 |
| ≥ 2500 | 98,3 | 98,9 | 99,1 | 99,2 | 99,3 | 99,4 | 99,4 | 99,4 | 99,4 | 99,4 | 99,4 | 99,4 | 99,4 | 99,4 | 99,4 | 99,4 |
| ≥ 2000 | 98,5 | 99,1 | 99,3 | 99,3 | 99,5 | 99,6 | 99,6 | 99,6 | 99,6 | 99,6 | 99,6 | 99,6 | 99,6 | 99,6 | 99,6 | 99,6 |
| ≥ 1800 | 98,5 | 99,2 | 99,3 | 99,4 | 99,6 | 99,7 | 99,7 | 99,7 | 99,7 | 99,7 | 99,7 | 99,7 | 99,7 | 99,7 | 99,7 | 99,7 |
| ≥ 1500 | 98,5 | 99,2 | 99,3 | 99,4 | 99,6 | 99,7 | 99,7 | 99,7 | 99,7 | 99,7 | 99,7 | 99,7 | 99,7 | 99,7 | 99,7 | 99,7 |
| ≥ 1200 | 98,5 | 99,2 | 99,3 | 99,4 | 99,6 | 99,7 | 99,7 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 |
| ≥ 1000 | 98,6 | 99,2 | 99,3 | 99,4 | 99,6 | 99,7 | 99,8 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 |
| ≥ 900 | 98,6 | 99,2 | 99,3 | 99,4 | 99,6 | 99,7 | 99,8 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 |
| ≥ 800 | 98,6 | 99,2 | 99,3 | 99,4 | 99,6 | 99,7 | 99,8 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 |
| ≥ 700 | 98,6 | 99,3 | 99,4 | 99,5 | 99,7 | 99,8 | 99,8 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 |
| ≥ 600 | 98,6 | 99,3 | 99,4 | 99,5 | 99,7 | 99,8 | 99,8 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 |
| ≥ 500 | 98,6 | 99,3 | 99,4 | 99,5 | 99,7 | 99,8 | 99,8 | 99,9 | 99,9 | 99,9 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| ≥ 400 | 98,6 | 99,3 | 99,4 | 99,5 | 99,7 | 99,8 | 99,8 | 99,9 | 99,9 | 99,9 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| ≥ 300 | 98,6 | 99,3 | 99,4 | 99,5 | 99,7 | 99,8 | 99,8 | 99,9 | 99,9 | 99,9 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| ≥ 200 | 98,6 | 99,3 | 99,4 | 99,5 | 99,7 | 99,8 | 99,8 | 99,9 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| ≥ 100 | 98,6 | 99,2 | 99,4 | 99,5 | 99,7 | 99,8 | 99,8 | 99,9 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| 0 | 98,6 | 99,3 | 99,4 | 99,5 | 99,7 | 99,8 | 99,8 | 99,9 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |

TOTAL NUMBER OF OBSERVATIONS 2137

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,52-72 (YEARS) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1400-1600 (HOURS - LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 70.9 | 70.8 | 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 | 71.0 |
| ≥ 20000 | 81.8 | 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 | 82.4 | 82.4 |
| ≥ 18000 | 82.4 | 82.8 | 82.9 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 |
| ≥ 16000 | 83.4 | 83.8 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| ≥ 14000 | 85.1 | 85.6 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| ≥ 12000 | 87.4 | 87.9 | 88.1 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| ≥ 10000 | 88.6 | 89.1 | 89.3 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| ≥ 9000 | 89.0 | 89.7 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| ≥ 8000 | 89.9 | 90.6 | 90.8 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| ≥ 7000 | 90.4 | 91.1 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| ≥ 6000 | 91.7 | 92.6 | 92.7 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| ≥ 5000 | 92.3 | 94.2 | 94.4 | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| ≥ 4500 | 94.1 | 95.0 | 95.3 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| ≥ 4000 | 95.3 | 96.2 | 96.4 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| ≥ 3500 | 96.2 | 97.1 | 97.3 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| ≥ 3000 | 97.0 | 98.1 | 98.3 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥ 2500 | 97.3 | 98.5 | 98.7 | 98.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 2000 | 97.5 | 98.7 | 98.9 | 99.0 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 1800 | 97.8 | 98.9 | 99.2 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 1500 | 97.8 | 99.0 | 99.2 | 99.3 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 1200 | 97.8 | 99.1 | 99.3 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1000 | 97.8 | 99.1 | 99.4 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 900 | 97.8 | 99.1 | 99.4 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 800 | 97.8 | 99.1 | 99.4 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 700 | 97.8 | 99.1 | 99.4 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 600 | 97.8 | 99.1 | 99.4 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 500 | 97.8 | 99.1 | 99.4 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 400 | 97.9 | 99.2 | 99.5 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 97.9 | 99.2 | 99.5 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 97.9 | 99.2 | 99.5 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 97.9 | 99.2 | 99.5 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 97.9 | 99.2 | 99.5 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2136

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,52-72 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-1700 (HOURS L.S.T.)

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 68.2 | 68.5 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.8 | 68.8 |
| ≥ 20000 | 80.4 | 80.7 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 81.0 | 81.0 |
| ≥ 18000 | 81.7 | 82.0 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.3 | 82.3 |
| ≥ 15000 | 83.1 | 83.3 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.7 | 83.7 |
| ≥ 14000 | 84.8 | 85.1 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.5 | 85.5 |
| ≥ 12000 | 86.9 | 87.2 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.6 | 87.6 |
| ≥ 10000 | 88.7 | 89.1 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.5 | 89.5 |
| ≥ 9000 | 89.2 | 89.7 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| ≥ 8000 | 90.4 | 90.9 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.3 | 91.3 |
| ≥ 7000 | 91.4 | 91.9 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.3 | 92.3 |
| ≥ 6000 | 93.0 | 93.5 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.9 | 93.9 |
| ≥ 500 | 94.9 | 95.4 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.9 | 95.9 |
| ≥ 4500 | 95.7 | 96.3 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.8 | 96.8 |
| ≥ 4000 | 96.9 | 97.5 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 98.0 | 98.0 |
| ≥ 3500 | 97.4 | 98.0 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 |
| ≥ 3000 | 97.7 | 98.4 | 98.6 | 98.7 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 |
| ≥ 2500 | 97.8 | 98.6 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 |
| ≥ 2000 | 97.9 | 98.6 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 |
| ≥ 1800 | 97.9 | 98.7 | 99.0 | 99.1 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 |
| ≥ 1500 | 98.0 | 98.7 | 99.1 | 99.2 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 |
| ≥ 1200 | 98.0 | 98.7 | 99.1 | 99.2 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 |
| ≥ 1000 | 98.0 | 98.8 | 99.2 | 99.3 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 900 | 98.0 | 98.8 | 99.2 | 99.3 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 800 | 98.0 | 98.8 | 99.2 | 99.3 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 700 | 98.0 | 98.8 | 99.2 | 99.3 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 600 | 98.0 | 98.8 | 99.2 | 99.3 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 500 | 98.0 | 98.8 | 99.2 | 99.3 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 400 | 98.0 | 98.8 | 99.2 | 99.3 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 300 | 98.0 | 98.8 | 99.2 | 99.3 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 200 | 98.0 | 98.8 | 99.2 | 99.3 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 100 | 98.0 | 98.8 | 99.2 | 99.3 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 0 | 98.0 | 98.8 | 99.2 | 99.3 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2130

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

22111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,52-72 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 73.5 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| ≥ 20000 | 82.4 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| ≥ 18000 | 83.6 | 83.7 | 83.7 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| ≥ 16000 | 84.7 | 85.1 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| ≥ 14000 | 88.1 | 88.3 | 88.3 | 88.4 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| ≥ 12000 | 89.7 | 89.9 | 89.9 | 90.0 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| ≥ 10000 | 91.3 | 91.5 | 91.5 | 91.6 | 91.6 | 91.6 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| ≥ 9000 | 92.3 | 92.5 | 92.5 | 92.6 | 92.6 | 92.6 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| ≥ 8000 | 93.4 | 93.6 | 93.6 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| ≥ 7000 | 94.0 | 94.2 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| ≥ 6000 | 95.5 | 95.7 | 95.8 | 95.9 | 95.9 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| ≥ 5000 | 96.7 | 97.2 | 97.2 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| ≥ 4500 | 97.0 | 97.5 | 97.6 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| ≥ 4000 | 97.9 | 98.4 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥ 3500 | 98.1 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 3000 | 98.1 | 98.8 | 98.9 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 2500 | 98.2 | 98.9 | 99.0 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 2000 | 98.2 | 99.1 | 99.2 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 1800 | 98.2 | 99.2 | 99.2 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 1500 | 98.2 | 99.2 | 99.2 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1200 | 98.3 | 99.2 | 99.3 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1000 | 98.3 | 99.3 | 99.3 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 900 | 98.3 | 99.3 | 99.3 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 800 | 98.3 | 99.4 | 99.5 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 98.3 | 99.4 | 99.5 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 98.3 | 99.4 | 99.5 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 98.3 | 99.4 | 99.5 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 98.3 | 99.4 | 99.5 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 98.3 | 99.4 | 99.5 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 98.3 | 99.4 | 99.5 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 98.3 | 99.4 | 99.5 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 98.3 | 99.4 | 99.5 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2141

USAF ETAC FORM JUL 54 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,52-72 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 76.2 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 |
| ≥ 20000 | 84.0 | 84.0 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 |
| ≥ 18000 | 84.7 | 84.7 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| ≥ 16000 | 86.1 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| ≥ 14000 | 88.7 | 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 | 88.9 | 88.9 |
| ≥ 12000 | 90.6 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 |
| ≥ 10000 | 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 | 92.7 | 92.7 | 92.7 |
| ≥ 9000 | 93.1 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| ≥ 8000 | 94.1 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| ≥ 7000 | 94.9 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| ≥ 6000 | 96.7 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| ≥ 5000 | 97.9 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 4500 | 98.1 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 4000 | 98.3 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 3500 | 98.4 | 98.7 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 3000 | 98.7 | 99.1 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 2500 | 98.7 | 99.2 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 2000 | 98.7 | 99.2 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1800 | 98.7 | 99.2 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1500 | 98.8 | 99.3 | 99.4 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1200 | 98.8 | 99.3 | 99.4 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1000 | 98.9 | 99.4 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 900 | 98.9 | 99.4 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 800 | 98.9 | 99.4 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 700 | 98.9 | 99.4 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 600 | 98.9 | 99.4 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 98.9 | 99.4 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 98.9 | 99.4 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 98.9 | 99.4 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 98.9 | 99.4 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 98.9 | 99.4 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 98.9 | 99.4 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2144

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-45,52-72 YEARS | MAR MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200 HOURS L S T

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1 ½ | ≥1¼ | ≥1 | ≥ ¾ | ≥ ⅝ | ≥ ½ | ≥ 5/16 | ≥ ¼ | ≥0 |
| NO CEILING | 82.8 | 82.9 | 82.9 | 82.9 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| ≥ 20000 | 88.9 | 89.0 | 89.0 | 89.0 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| ≥ 18000 | 89.0 | 89.1 | 89.1 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| ≥ 16000 | 89.6 | 89.7 | 89.7 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| ≥ 14000 | 90.6 | 90.7 | 90.7 | 90.7 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| ≥ 12000 | 92.4 | 92.5 | 92.5 | 92.5 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| ≥ 10000 | 93.0 | 93.1 | 93.1 | 93.1 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| ≥ 9000 | 93.4 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| ≥ 8000 | 94.7 | 94.8 | 94.8 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| ≥ 7000 | 95.6 | 95.7 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| ≥ 6000 | 96.8 | 96.9 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| ≥ 5000 | 97.7 | 97.9 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| ≥ 4500 | 97.9 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 4000 | 98.2 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 3500 | 98.9 | 99.1 | 99.1 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 3000 | 99.2 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 2500 | 99.3 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 2000 | 99.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1800 | 99.5 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1500 | 99.5 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.5 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.5 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.5 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| > 800 | 99.5 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.5 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.5 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.5 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.5 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.5 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| > 200 | 99.5 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.5 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.5 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2313

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-45,52-72 (YEARS) MAR (MONTH)

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

0300-0500 (HOURS L S T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 81.3 | 81.5 | 81.5 | 81.5 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| ≥ 20000 | 87.5 | 87.7 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| ≥ 18000 | 87.9 | 88.1 | 88.1 | 88.1 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| ≥ 16000 | 88.4 | 88.6 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| ≥ 14000 | 89.3 | 89.5 | 89.5 | 89.5 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| ≥ 12000 | 91.1 | 91.3 | 91.3 | 91.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| ≥ 10000 | 92.0 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| ≥ 9000 | 92.8 | 92.9 | 93.0 | 93.0 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| ≥ 8000 | 93.8 | 94.0 | 94.0 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| ≥ 7000 | 94.5 | 94.7 | 94.7 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| ≥ 6000 | 95.7 | 95.8 | 95.9 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| ≥ 5000 | 96.7 | 96.9 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| ≥ 4500 | 97.3 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| ≥ 4000 | 97.8 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 3500 | 98.6 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 3000 | 98.9 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 2500 | 99.1 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 2000 | 99.3 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1800 | 99.3 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1500 | 99.3 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 1200 | 99.3 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 1000 | 99.3 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 900 | 99.3 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 800 | 99.3 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 700 | 99.4 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.4 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.4 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.4 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.4 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.4 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.4 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0 | 99.4 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2311

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-45;52-72 (YEARS) MAR (MONTH)

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

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

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 74.6 | 74.9 | 75.0 | 75.0 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 |
| ≥ 20000 | 82.6 | 82.9 | 82.9 | 83.0 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| ≥ 18000 | 83.4 | 83.8 | 83.8 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| ≥ 16000 | 85.2 | 85.5 | 85.6 | 85.6 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| ≥ 14000 | 87.4 | 87.8 | 87.8 | 87.9 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| ≥ 12000 | 89.3 | 89.7 | 89.7 | 89.8 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 |
| ≥ 10000 | 90.7 | 91.0 | 91.1 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| ≥ 9000 | 91.1 | 91.5 | 91.6 | 91.6 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| ≥ 8000 | 92.5 | 92.9 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| ≥ 7000 | 93.5 | 93.9 | 94.0 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| ≥ 6000 | 94.5 | 94.9 | 95.0 | 95.0 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| ≥ 5000 | 95.3 | 95.8 | 95.8 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| ≥ 4500 | 95.6 | 96.1 | 96.1 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| ≥ 4000 | 96.1 | 96.6 | 96.8 | 96.8 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| ≥ 3500 | 96.6 | 97.2 | 97.3 | 97.4 | 97.5 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| ≥ 3000 | 97.3 | 97.9 | 98.1 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 2500 | 97.5 | 98.3 | 98.4 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 2000 | 97.7 | 98.4 | 98.7 | 98.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 1800 | 97.7 | 98.5 | 98.7 | 98.9 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 1500 | 97.8 | 98.7 | 98.9 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 1200 | 97.8 | 98.7 | 99.0 | 99.1 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 1000 | 97.9 | 98.8 | 99.1 | 99.2 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 900 | 97.9 | 98.8 | 99.1 | 99.2 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 800 | 98.0 | 98.9 | 99.2 | 99.3 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 700 | 98.0 | 98.9 | 99.2 | 99.3 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 600 | 98.0 | 99.0 | 99.2 | 99.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 500 | 98.0 | 99.0 | 99.3 | 99.4 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 400 | 98.0 | 99.0 | 99.3 | 99.4 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 300 | 98.0 | 99.0 | 99.3 | 99.4 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 200 | 98.0 | 99.0 | 99.3 | 99.4 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 100 | 98.0 | 99.0 | 99.3 | 99.4 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 0 | 98.0 | 99.0 | 99.3 | 99.4 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2316

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-45,52-72 (YEARS) MAR (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100 (HOURS LST)

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 73.0 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 |
| ≥ 20000 | 82.9 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.5 | 83.5 |
| ≥ 18000 | 83.3 | 83.8 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.1 | 84.1 | 84.1 | 84.1 |
| ≥ 16000 | 85.0 | 85.6 | 85.6 | 85.6 | 85.7 | 85.7 | 85.7 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.9 | 85.9 |
| ≥ 14000 | 86.7 | 87.3 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.7 | 87.7 |
| ≥ 12000 | 88.3 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.2 | 89.2 |
| ≥ 10000 | 90.0 | 90.6 | 90.6 | 90.6 | 90.7 | 90.7 | 90.7 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.9 | 90.9 |
| ≥ 9000 | 90.4 | 91.0 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 |
| ≥ 8000 | 91.8 | 92.4 | 92.4 | 92.5 | 92.5 | 92.5 | 92.5 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| ≥ 7000 | 92.8 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 |
| ≥ 6000 | 93.9 | 94.6 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| ≥ 5000 | 94.8 | 95.5 | 95.6 | 95.6 | 95.7 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 |
| ≥ 4500 | 95.0 | 95.8 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.2 | 96.2 |
| ≥ 4000 | 95.6 | 96.4 | 96.5 | 96.5 | 96.6 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 |
| ≥ 3500 | 96.1 | 97.0 | 97.0 | 97.1 | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.4 | 97.4 |
| ≥ 3000 | 96.9 | 98.0 | 98.1 | 98.2 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 2500 | 97.1 | 98.2 | 98.3 | 98.5 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 |
| ≥ 2000 | 97.4 | 98.5 | 98.6 | 98.8 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 1800 | 97.5 | 98.7 | 98.7 | 98.9 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 1500 | 97.6 | 98.9 | 99.0 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 |
| ≥ 1200 | 97.6 | 98.9 | 99.0 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 |
| ≥ 1000 | 97.6 | 99.0 | 99.1 | 99.3 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 |
| ≥ 900 | 97.0 | 99.0 | 99.1 | 99.3 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 |
| ≥ 800 | 97.6 | 99.1 | 99.2 | 99.4 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 700 | 97.6 | 99.1 | 99.2 | 99.4 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 600 | 97.6 | 99.1 | 99.3 | 99.4 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| ≥ 500 | 97.7 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 400 | 97.7 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 300 | 97.7 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 200 | 97.7 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 100 | 97.7 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 0 | 97.7 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2316

USAF ETAC FORM Jul 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

23111 STATION | LUKE A-B ARIZONA/PHOENIX STATION NAME | 42-45,52-72 YEARS | MAR MONTH

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

1200-1400 HOURS (LST)

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 71.0 | 71.3 | 71.3 | 71.4 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
| ≥ 20000 | 81.0 | 81.3 | 81.3 | 81.4 | 81.6 | 81.6 | 81.7 | 81.7 | 81.7 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| ≥ 18000 | 82.2 | 82.5 | 82.6 | 82.6 | 82.8 | 82.8 | 82.9 | 82.9 | 82.9 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 |
| ≥ 16000 | 83.0 | 83.5 | 83.5 | 83.6 | 83.8 | 83.8 | 83.9 | 83.9 | 83.9 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| ≥ 14000 | 84.7 | 85.2 | 85.2 | 85.3 | 85.5 | 85.5 | 85.6 | 85.6 | 85.6 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| ≥ 12000 | 86.1 | 86.6 | 86.7 | 86.8 | 86.9 | 86.9 | 87.0 | 87.0 | 87.0 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| ≥ 10000 | 87.3 | 87.8 | 87.9 | 88.0 | 88.1 | 88.1 | 88.2 | 88.2 | 88.2 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| ≥ 9000 | 87.9 | 88.4 | 88.5 | 88.6 | 88.7 | 88.7 | 88.8 | 88.8 | 88.8 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| ≥ 8000 | 88.6 | 89.1 | 89.2 | 89.4 | 89.5 | 89.5 | 89.6 | 89.6 | 89.6 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| ≥ 7000 | 89.8 | 90.4 | 90.5 | 90.7 | 90.9 | 90.9 | 91.0 | 91.0 | 91.0 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| ≥ 6000 | 91.9 | 92.6 | 92.7 | 92.9 | 93.0 | 93.0 | 93.1 | 93.1 | 93.1 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| ≥ 5000 | 93.5 | 94.2 | 94.3 | 94.5 | 94.7 | 94.7 | 94.8 | 94.8 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| ≥ 4500 | 93.9 | 94.6 | 94.7 | 94.9 | 95.1 | 95.1 | 95.2 | 95.2 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| ≥ 4000 | 95.7 | 96.5 | 96.5 | 96.8 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| ≥ 3500 | 96.2 | 97.0 | 97.1 | 97.4 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| ≥ 3000 | 97.2 | 98.1 | 98.1 | 98.4 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 2500 | 97.6 | 98.4 | 98.5 | 98.8 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 2000 | 98.0 | 98.9 | 99.0 | 99.3 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1800 | 98.0 | 98.9 | 99.0 | 99.3 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1500 | 98.0 | 98.9 | 99.0 | 99.3 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1200 | 98.0 | 98.9 | 99.0 | 99.3 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1000 | 98.0 | 98.9 | 99.0 | 99.3 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 900 | 98.0 | 98.9 | 99.1 | 99.4 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 98.0 | 98.9 | 99.1 | 99.4 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 98.0 | 98.9 | 99.1 | 99.4 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 98.0 | 98.9 | 99.1 | 99.4 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 98.0 | 98.9 | 99.1 | 99.4 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 98.0 | 98.9 | 99.1 | 99.4 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 98.0 | 98.9 | 99.1 | 99.4 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 98.0 | 98.9 | 99.1 | 99.4 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 98.0 | 98.9 | 99.1 | 99.4 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 98.0 | 98.9 | 99.1 | 99.4 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2310

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

23111 STATION — LUKE AFB ARIZONA/PHOENIX STATION NAME — 42-45,52-72 YEARS — MAR MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700 HOURS (LST)

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥⅜ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 68.8 | 69.1 | 69.1 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 |
| ≥ 20000 | 81.4 | 81.6 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.8 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| ≥ 18000 | 82.4 | 82.7 | 82.7 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.9 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 |
| ≥ 16000 | 84.0 | 84.3 | 84.4 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| ≥ 14000 | 85.2 | 85.5 | 85.5 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| ≥ 12000 | 87.0 | 87.2 | 87.4 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| ≥ 10000 | 88.1 | 88.4 | 88.5 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| ≥ 9000 | 88.5 | 88.8 | 88.8 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 89.0 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| ≥ 8000 | 89.5 | 89.8 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| ≥ 7000 | 91.0 | 91.3 | 91.3 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| ≥ 6000 | 92.9 | 93.2 | 93.2 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 |
| ≥ 5000 | 95.2 | 95.5 | 95.5 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| ≥ 4500 | 95.8 | 96.1 | 96.2 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| ≥ 4000 | 97.0 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| ≥ 3500 | 97.5 | 97.9 | 97.9 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 3000 | 98.4 | 99.0 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 2500 | 98.4 | 99.1 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 2000 | 98.5 | 99.2 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1800 | 98.5 | 99.2 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1500 | 98.5 | 99.2 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1200 | 98.5 | 99.2 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1000 | 98.5 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 900 | 98.5 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 800 | 98.5 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 700 | 98.5 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 600 | 98.5 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 500 | 98.5 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 400 | 98.5 | 99.3 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 300 | 98.5 | 99.3 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 200 | 98.5 | 99.3 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 100 | 98.5 | 99.3 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 0 | 98.5 | 99.3 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2311

USAF ETAC FORM 10E 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-45,52-72 (YEARS) MAR (MONTH)

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

1800-2000 (HOURS (LST))

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 73.3 | 73.5 | 73.5 | 73.5 | 73.5 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 |
| ≥ 20000 | 83.6 | 83.8 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| ≥ 18000 | 84.9 | 85.1 | 85.1 | 85.1 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| ≥ 16000 | 86.1 | 86.2 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| ≥ 14000 | 87.8 | 88.0 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| ≥ 12000 | 89.6 | 89.8 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 |
| ≥ 10000 | 91.3 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| ≥ 9000 | 91.7 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| ≥ 8000 | 92.7 | 92.9 | 92.9 | 92.9 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| ≥ 7000 | 93.7 | 93.9 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| ≥ 6000 | 95.2 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| ≥ 5000 | 96.5 | 96.8 | 96.8 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| ≥ 4500 | 97.1 | 97.5 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| ≥ 4000 | 97.6 | 98.2 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 3500 | 98.0 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥ 3000 | 98.6 | 99.3 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 2500 | 98.7 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 2000 | 98.8 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1800 | 98.8 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1500 | 98.9 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 98.9 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 98.9 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 98.9 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 98.9 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 98.9 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 98.9 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 98.9 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 98.9 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 98.9 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 98.9 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 98.9 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 98.9 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2311

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

22111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-45,52-72 (YEARS) MAR (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300 (HOURS LST)

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 82.1 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| ≥ 20000 | 88.7 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 |
| ≥ 18000 | 89.0 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| ≥ 16000 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| ≥ 14000 | 91.0 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| ≥ 12000 | 92.6 | 92.6 | 92.6 | 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 |
| ≥ 10000 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| ≥ 9000 | 93.9 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| ≥ 8000 | 94.9 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| ≥ 7000 | 95.8 | 95.9 | 95.9 | 95.9 | 96.0 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| ≥ 6000 | 96.7 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| ≥ 5000 | 98.0 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 4500 | 98.2 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥ 4000 | 98.7 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 3500 | 99.1 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 3000 | 99.2 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 2500 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 2000 | 99.4 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1800 | 99.4 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1500 | 99.4 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.4 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.4 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.4 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.4 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2313

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) – APR (MONTH)

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

0000-0200 (HOURS LST)

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1¾ | ≥1½ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 86.5 | 86.7 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 |
| ≥ 20000 | 91.5 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| ≥ 18000 | 91.8 | 92.1 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| ≥ 16000 | 92.6 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| ≥ 14000 | 93.7 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| ≥ 12000 | 95.2 | 95.5 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| ≥ 10000 | 96.8 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| ≥ 9000 | 97.2 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| ≥ 8000 | 97.7 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 7000 | 98.4 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 6000 | 98.6 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 5000 | 99.1 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 4500 | 99.1 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 4000 | 99.2 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 3500 | 99.2 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 3000 | 99.3 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 2500 | 99.3 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 2000 | 99.3 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1800 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1500 | 99.4 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.4 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.4 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.4 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.4 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.4 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.4 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.4 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.4 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.4 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.4 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.4 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.4 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2366

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) APR (MONTH)

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

0300-0500 (HOURS LST)

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥0 | ≥0 |
| NO CEILING | 86.4 | 86.5 | 86.5 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| ≥ 20000 | 91.4 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| ≥ 18000 | 91.5 | 91.7 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| ≥ 16000 | 92.6 | 92.7 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| ≥ 14000 | 93.5 | 93.6 | 93.6 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| ≥ 12000 | 95.3 | 95.4 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| ≥ 10000 | 96.3 | 96.4 | 96.4 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| ≥ 9000 | 96.8 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| ≥ 8000 | 97.5 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| ≥ 7000 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥ 6000 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 5000 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 4500 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 4000 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 3500 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 3000 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 2500 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2000 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2365

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) APR (MONTH)

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

0600-0800C (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 81.9 | 82.2 | 82.2 | 82.2 | 82.2 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| ≥ 20000 | 88.5 | 88.9 | 88.9 | 88.9 | 88.9 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| ≥ 18000 | 89.3 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| ≥ 16000 | 90.4 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| ≥ 14000 | 91.6 | 92.0 | 92.0 | 92.0 | 92.0 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 |
| ≥ 12000 | 93.2 | 93.6 | 93.6 | 93.6 | 93.6 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| ≥ 10000 | 94.1 | 94.5 | 94.5 | 94.5 | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| ≥ 9000 | 94.2 | 94.6 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| ≥ 8000 | 95.4 | 95.8 | 95.8 | 95.8 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| ≥ 7000 | 96.2 | 96.6 | 96.6 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| ≥ 6000 | 97.0 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| ≥ 5000 | 98.0 | 98.4 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 4500 | 98.3 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 4000 | 98.6 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 3500 | 98.8 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 3000 | 99.0 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 2500 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 2000 | 99.2 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1800 | 99.2 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.2 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.2 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.2 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.2 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.2 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.2 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.2 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.2 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.2 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.2 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.2 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.2 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.2 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2366

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111 STATION — LUKE AFB ARIZONA/PHOENIX STATION NAME — 42-46,51-72 YEARS — APR MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100 HOURS LST

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 79.8 | 80.4 | 80.5 | 80.5 | 80.5 | 80.5 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 |
| ≥ 20000 | 88.2 | 88.5 | 88.8 | 88.8 | 88.8 | 88.8 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| ≥ 18000 | 89.0 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| ≥ 16000 | 89.7 | 90.3 | 90.4 | 90.4 | 90.4 | 90.4 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| ≥ 14000 | 90.9 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| ≥ 12000 | 92.3 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| ≥ 10000 | 93.4 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| ≥ 9000 | 94.0 | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| ≥ 8000 | 94.8 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.5 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| ≥ 7000 | 95.4 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| ≥ 6000 | 96.5 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| ≥ 5000 | 97.5 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 4500 | 97.7 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥ 4000 | 98.1 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 3500 | 98.4 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 3000 | 98.7 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 2500 | 98.8 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 2000 | 98.8 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1800 | 98.8 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1500 | 98.8 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1200 | 98.9 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1000 | 99.0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2366

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) APR (MONTH)

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

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

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 77.1 | 77.2 | 77.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| ≥ 20000 | 86.8 | 86.9 | 87.0 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| ≥ 18000 | 87.5 | 87.6 | 87.7 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.9 | 87.9 |
| ≥ 16000 | 88.1 | 88.2 | 88.3 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.5 | 88.5 |
| ≥ 14000 | 89.4 | 89.6 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 |
| ≥ 12000 | 90.7 | 90.8 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 91.0 | 91.0 | 91.0 | 91.0 |
| ≥ 10000 | 91.7 | 91.8 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.1 | 92.1 | 92.1 | 92.1 |
| ≥ 9000 | 92.0 | 92.1 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.4 | 92.4 |
| ≥ 8000 | 92.7 | 92.8 | 93.0 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| ≥ 7000 | 94.0 | 94.1 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.5 | 94.5 |
| ≥ 6000 | 95.9 | 96.0 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 |
| ≥ 5000 | 96.9 | 97.1 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 |
| ≥ 4500 | 97.5 | 97.8 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 |
| ≥ 4000 | 98.4 | 98.7 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 |
| ≥ 3500 | 98.7 | 99.0 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 3000 | 98.9 | 99.2 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 2500 | 99.0 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 |
| ≥ 2000 | 99.1 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| ≥ 1800 | 99.1 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| ≥ 1500 | 99.2 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1200 | 99.2 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1000 | 99.2 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.2 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.2 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.2 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.2 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.2 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.2 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.2 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.2 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.2 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.2 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2364

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

22111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) APR (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700 (HOURS (LST))

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 ½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 75.2 | 75.6 | 75.7 | 75.7 | 75.8 | 75.8 | 75.8 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 |
| ≥ 20000 | 85.9 | 86.4 | 86.5 | 86.5 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| ≥ 18000 | 86.5 | 87.0 | 87.1 | 87.1 | 87.2 | 87.2 | 87.2 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| ≥ 16000 | 86.9 | 87.4 | 87.5 | 87.5 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| ≥ 14000 | 88.1 | 88.7 | 88.8 | 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 |
| ≥ 12000 | 89.8 | 90.3 | 90.4 | 90.4 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| ≥ 10000 | 90.9 | 91.4 | 91.6 | 91.6 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| ≥ 9000 | 91.4 | 91.9 | 92.0 | 92.0 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.2 | 92.2 |
| ≥ 8000 | 92.6 | 93.1 | 93.2 | 93.2 | 93.3 | 93.3 | 93.3 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| ≥ 7000 | 93.6 | 94.1 | 94.2 | 94.2 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.5 | 94.5 | 94.5 |
| ≥ 6000 | 95.8 | 96.3 | 96.4 | 96.5 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.8 | 96.8 |
| ≥ 5000 | 97.6 | 98.2 | 98.3 | 98.4 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 |
| ≥ 4500 | 98.1 | 98.6 | 98.8 | 98.9 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 |
| ≥ 4000 | 98.5 | 99.1 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 |
| ≥ 3500 | 98.6 | 99.2 | 99.3 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 |
| ≥ 3000 | 98.8 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 |
| ≥ 2500 | 98.6 | 99.3 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 |
| ≥ 2000 | 98.6 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| ≥ 1800 | 98.6 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| ≥ 1500 | 98.6 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| ≥ 1200 | 98.6 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| ≥ 1000 | 98.7 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 900 | 98.7 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 800 | 98.7 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 700 | 98.7 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 600 | 98.7 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 500 | 98.7 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 400 | 98.7 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 300 | 98.7 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 200 | 98.7 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 100 | 98.7 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 0 | 98.7 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2362

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111 STATION — LUKE AFB ARIZONA/PHOENIX STATION NAME — 42-46,51-72 YEARS — APR MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000 HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 79.9 | 80.1 | 80.1 | 80.1 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| ≥ 20000 | 87.5 | 87.8 | 87.9 | 87.9 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| ≥ 18000 | 88.5 | 88.8 | 88.9 | 88.9 | 89.0 | 89.0 | 89.0 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| ≥ 16000 | 89.1 | 89.4 | 89.5 | 89.5 | 89.6 | 89.6 | 89.6 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| ≥ 14000 | 90.3 | 90.7 | 90.7 | 90.7 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| ≥ 12000 | 91.9 | 92.3 | 92.3 | 92.3 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| ≥ 10000 | 93.1 | 93.5 | 93.5 | 93.5 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| ≥ 9000 | 93.6 | 93.9 | 94.0 | 94.0 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| ≥ 8000 | 94.5 | 94.9 | 95.0 | 95.0 | 95.2 | 95.2 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| ≥ 7000 | 95.8 | 96.2 | 96.2 | 96.3 | 96.4 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.6 |
| ≥ 6000 | 97.3 | 97.7 | 97.7 | 97.8 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 |
| ≥ 5000 | 98.1 | 98.5 | 98.6 | 98.6 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 |
| ≥ 4500 | 98.3 | 98.7 | 98.8 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 |
| ≥ 4000 | 98.6 | 99.1 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 |
| ≥ 3500 | 98.9 | 99.3 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 3000 | 98.9 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| ≥ 2500 | 98.9 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| ≥ 2000 | 98.9 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| ≥ 1800 | 98.9 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| ≥ 1500 | 99.0 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 1200 | 99.0 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 1000 | 99.0 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 900 | 99.0 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 800 | 99.0 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 700 | 99.0 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 600 | 99.0 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 500 | 99.0 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 400 | 99.0 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 300 | 99.0 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 200 | 99.0 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 100 | 99.0 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 0 | 99.0 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2362

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

22111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) APR (MONTH)

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

2100-2300 (HOURS LST)

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 85.6 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| ≥ 20000 | 91.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| ≥ 18000 | 92.1 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| ≥ 16000 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| ≥ 14000 | 93.7 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| ≥ 12000 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| ≥ 10000 | 96.2 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| ≥ 9000 | 96.8 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| ≥ 8000 | 97.6 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| ≥ 7000 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 6000 | 98.7 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 5000 | 99.1 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 4500 | 99.2 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 4000 | 99.3 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 3500 | 99.3 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 3000 | 99.3 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 2500 | 99.3 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 2000 | 99.3 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1800 | 99.3 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1500 | 99.3 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1200 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2369

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

22111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) MAY (MONTH)

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

0000-0200 (HOURS LST)

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| ≥ 20000 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| ≥ 18000 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| ≥ 16000 | 95.7 | 95.8 | 95.8 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| ≥ 14000 | 97.3 | 97.4 | 97.4 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| ≥ 12000 | 98.2 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 10000 | 98.9 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 9000 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 8000 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 7000 | 99.3 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 6000 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 5000 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 4500 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 4000 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 3500 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 3000 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2500 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2000 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2500

USAF ETAC FORM NO. 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 42-46,51-72 MAY
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOUR (LST)

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥2 | ≥1 ½ | ≥1 ¼ | ≥1 | ≥¾ | ≥ ½ | ≥ | ≥5/16 | ≥ ¼ | ≥0 |
| NO CEILING | 90.9 | 91.0 | 91.0 | 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 |
| ≥ 20000 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| ≥ 18000 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| ≥ 16000 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| ≥ 14000 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| ≥ 12000 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 10000 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 9000 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 8000 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 7000 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 6000 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 5000 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 4500 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 4000 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 3500 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 3000 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2500 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2000 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2499

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING GA CH
USAF ETAC
AIR WEATHER SERVICE/ MC

1

# CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 42-45,51-72 MAY
STATION NAME YEARS MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 |
| ≥ 20000 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| ≥ 18000 | 92.4 | 92.4 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| ≥ 16000 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| ≥ 14000 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| ≥ 12000 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| ≥ 10000 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 9000 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 8000 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 7000 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 6000 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 5000 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 4500 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 4000 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 3500 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3000 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2500 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2000 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2494

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) MAY (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0500-1100 (HOURS LST)

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥¼ | 0 |
| NO CEILING | 64.9 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 |
| ≤ 20000 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| ≥ 18000 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| ≥ 16000 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| ≥ 14000 | 96.4 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| ≥ 12000 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| ≥ 10000 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 9000 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥ 8000 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 7000 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 6000 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 5000 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 4500 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 4000 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3500 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2492

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) MAY (MONTH)

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

1200-1400 (HOURS LST)

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1¾ | ≥1½ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥0 | ≥0 |
| NO CEILING | 83.0 | 83.6 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| ≥ 20000 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.9 |
| ≥ 18000 | 94.4 | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| ≥ 16000 | 95.2 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.5 |
| ≥ 14000 | 95.8 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| ≥ 12000 | 96.6 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| ≥ 10000 | 97.0 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| ≥ 9000 | 97.3 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.6 |
| ≥ 8000 | 97.7 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 98.0 |
| ≥ 7000 | 98.3 | 98.4 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥ 6000 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 |
| ≥ 5000 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 4500 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 4000 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3500 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3000 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2500 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2000 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2497

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) MAY (MONTH)

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

1500-1700 (HOURS LST)

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1¾ | ≥1½ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥⅛ | ≥0 | |
| NO CEILING | 80.2 | 80.7 | 80.8 | 80.8 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 81.0 | 81.0 | 81.0 |
| ≥ 20000 | 92.3 | 92.9 | 93.0 | 93.0 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.2 | 93.2 | 93.2 | 93.2 |
| ≥ 18000 | 93.0 | 93.6 | 93.7 | 93.7 | 93.7 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.9 | 93.9 | 93.9 | 93.9 |
| ≥ 16000 | 93.6 | 94.1 | 94.2 | 94.2 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 |
| ≥ 14000 | 95.1 | 95.7 | 95.7 | 95.7 | 95.8 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 |
| ≥ 12000 | 95.7 | 96.3 | 96.4 | 96.4 | 96.5 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 |
| ≥ 10000 | 96.1 | 96.7 | 96.8 | 96.8 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| ≥ 9000 | 96.3 | 96.9 | 97.0 | 97.0 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| ≥ 8000 | 97.0 | 97.6 | 97.7 | 97.7 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| ≥ 7000 | 97.7 | 98.3 | 98.4 | 98.4 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 6000 | 98.6 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 5000 | 98.8 | 99.3 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 4500 | 98.9 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 4000 | 98.9 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 3500 | 98.9 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3000 | 98.9 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2500 | 98.9 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2000 | 98.9 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 98.9 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 98.9 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 98.9 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 98.9 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 98.9 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 98.9 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 98.9 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 98.9 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 98.9 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 98.9 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 98.9 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 98.9 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 98.9 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 98.9 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2493

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 43-46,51-72 (YEARS) MAY (MONTH)

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

1800-2000 (HOURS LST)

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 83.1 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 |
| ≥ 20000 | 93.0 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| ≥ 18000 | 93.5 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| ≥ 16000 | 94.1 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| ≥ 14000 | 95.7 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| ≥ 12000 | 96.4 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| ≥ 10000 | 96.9 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| ≥ 9000 | 97.1 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| ≥ 8000 | 97.8 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 7000 | 98.0 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥ 6000 | 98.8 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 5000 | 99.2 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 4500 | 99.2 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 4000 | 99.3 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3500 | 99.3 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3000 | 99.3 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2500 | 99.3 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2000 | 99.3 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.3 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.3 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.3 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.3 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.3 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.3 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.3 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.3 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.3 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.3 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.3 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.3 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.3 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.3 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2498

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) MAY (MONTH)

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

2100-2300 HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥⅛ | ≥0 |
| NO CEILING | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 |
| ≥ 20000 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| ≥ 18000 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| ≥ 16000 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| ≥ 14000 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| ≥ 12000 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| ≥ 10000 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 9000 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 8000 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 7000 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 6000 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 5000 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 4500 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 4000 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3500 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3000 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2500 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2000 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2494

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | JUN MONTH

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

0000-0200 HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅜ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 92.1 | 92.2 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| ≥ 20000 | 95.3 | 95.3 | 95.3 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| ≥ 18000 | 95.6 | 95.6 | 95.6 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| ≥ 16000 | 96.0 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| ≥ 14000 | 97.2 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| ≥ 12000 | 98.2 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 10000 | 98.7 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 9000 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 8000 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 7000 | 99.3 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 6000 | 99.5 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 5000 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 4500 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 4000 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3500 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3000 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2500 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2000 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14-5 (OL-A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

22111 STATION — LUKE AFB ARIZONA/PHOENIX STATION NAME — 42-46,51-72 YEARS — JUN MONTH

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

0300-0500 HOURS L.S.T.

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 91.2 | 91.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| ≥ 20000 | 94.2 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| ≥ 18000 | 94.5 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| ≥ 16000 | 94.9 | 95.0 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| ≥ 14000 | 96.6 | 96.7 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| ≥ 12000 | 98.1 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 10000 | 98.5 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥ 9000 | 98.7 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 8000 | 99.2 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 7000 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 6000 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 5000 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 4500 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 4000 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3500 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3000 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2500 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2000 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2302

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46;51-72 (YEARS) JUN (MONTH)

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

0600-0800 (HOURS (LST))

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5 16 | ≥¼ | ≥0 |
| NO CEILING | 89.4 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| ≥ 20000 | 92.7 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| ≥ 18000 | 93.3 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 |
| ≥ 16000 | 94.6 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| ≥ 14000 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| ≥ 12000 | 97.6 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| ≥ 10000 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥ 9000 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 8000 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 7000 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 6000 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 5000 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 4500 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 4000 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3500 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3000 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2500 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2000 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2382

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

22111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) JUN (MONTH)

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

0900-1100 (HOURS (LST))

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 89.0 | 89.0 | 89.2 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 |
| ≥ 20000 | 92.8 | 92.7 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| ≥ 18000 | 93.1 | 93.3 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 |
| ≥ 16000 | 94.8 | 94.7 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| ≥ 14000 | 96.3 | 96.5 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| ≥ 12000 | 97.9 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 10000 | 98.2 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 9000 | 98.5 | 98.7 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 8000 | 99.1 | 99.2 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 7000 | 99.2 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 6000 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 5000 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 4500 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 4000 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3500 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3000 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2500 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2000 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2382

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) JUN (MONTH)

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

1200-1400 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 90.2 | 90.3 | 90.5 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| ≥ 20000 | 94.2 | 94.3 | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| ≥ 18000 | 94.8 | 94.9 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| ≥ 16000 | 96.0 | 96.1 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| ≥ 14000 | 97.3 | 97.4 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| ≥ 12000 | 98.2 | 98.4 | 98.5 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 10000 | 98.7 | 98.8 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 9000 | 98.9 | 99.0 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 8000 | 99.2 | 99.3 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 7000 | 99.2 | 99.3 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 6000 | 99.4 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 5000 | 99.5 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 4500 | 99.5 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 4000 | 99.5 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3500 | 99.5 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3000 | 99.5 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2500 | 99.5 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2000 | 99.5 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.5 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.5 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.5 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.5 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.5 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.5 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.5 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.5 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.5 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.5 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.5 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.5 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.5 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.5 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2382

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) JUN (MONTH)

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

1500-1700 (HOURS (LST))

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 89,5 | 89,7 | 89,8 | 89,8 | 89,8 | 89,8 | 89,9 | 89,9 | 89,9 | 89,9 | 89,9 | 89,9 | 89,9 | 89,9 | 89,9 | 89,9 |
| ≥ 20000 | 95,1 | 95,3 | 95,4 | 95,5 | 95,5 | 95,5 | 95,5 | 95,5 | 95,5 | 95,6 | 95,6 | 95,6 | 95,6 | 95,6 | 95,6 | 95,6 |
| ≥ 18000 | 95,4 | 95,6 | 95,7 | 95,8 | 95,8 | 95,8 | 95,8 | 95,8 | 95,8 | 95,9 | 95,9 | 95,9 | 95,9 | 95,9 | 95,9 | 95,9 |
| ≥ 16000 | 96,1 | 96,4 | 96,4 | 96,5 | 96,5 | 96,5 | 96,5 | 96,5 | 96,5 | 96,6 | 96,6 | 96,6 | 96,6 | 96,6 | 96,6 | 96,6 |
| ≥ 14000 | 97,0 | 97,3 | 97,4 | 97,4 | 97,4 | 97,4 | 97,4 | 97,4 | 97,4 | 97,5 | 97,5 | 97,5 | 97,5 | 97,5 | 97,5 | 97,5 |
| ≥ 12000 | 97,9 | 98,2 | 98,3 | 98,3 | 98,3 | 98,3 | 98,4 | 98,4 | 98,4 | 98,4 | 98,4 | 98,4 | 98,4 | 98,4 | 98,4 | 98,4 |
| ≥ 10000 | 98,3 | 98,5 | 98,6 | 98,7 | 98,7 | 98,7 | 98,7 | 98,7 | 98,7 | 98,7 | 98,7 | 98,7 | 98,7 | 98,7 | 98,7 | 98,7 |
| ≥ 9000 | 98,4 | 98,6 | 98,7 | 98,7 | 98,7 | 98,7 | 98,8 | 98,8 | 98,8 | 98,8 | 98,8 | 98,8 | 98,8 | 98,8 | 98,8 | 98,8 |
| ≥ 8000 | 98,6 | 98,9 | 99,0 | 99,0 | 99,0 | 99,0 | 99,0 | 99,0 | 99,0 | 99,1 | 99,1 | 99,1 | 99,1 | 99,1 | 99,1 | 99,1 |
| ≥ 7000 | 99,0 | 99,2 | 99,3 | 99,3 | 99,3 | 99,3 | 99,4 | 99,4 | 99,4 | 99,4 | 99,4 | 99,4 | 99,4 | 99,4 | 99,4 | 99,4 |
| ≥ 6000 | 99,4 | 99,6 | 99,7 | 99,7 | 99,7 | 99,7 | 99,8 | 99,8 | 99,8 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 |
| ≥ 5000 | 99,5 | 99,7 | 99,8 | 99,8 | 99,8 | 99,8 | 99,9 | 99,9 | 99,9 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| ≥ 4500 | 99,5 | 99,7 | 99,8 | 99,9 | 99,9 | 99,9 | 99,9 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| ≥ 4000 | 99,5 | 99,7 | 99,8 | 99,9 | 99,9 | 99,9 | 99,9 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| ≥ 3500 | 99,5 | 99,7 | 99,8 | 99,9 | 99,9 | 99,9 | 99,9 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| ≥ 3000 | 99,5 | 99,7 | 99,8 | 99,9 | 99,9 | 99,9 | 99,9 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| ≥ 2500 | 99,5 | 99,7 | 99,8 | 99,9 | 99,9 | 99,9 | 99,9 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| ≥ 2000 | 99,5 | 99,7 | 99,8 | 99,9 | 99,9 | 99,9 | 99,9 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| ≥ 1800 | 99,5 | 99,7 | 99,8 | 99,9 | 99,9 | 99,9 | 99,9 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| ≥ 1500 | 99,5 | 99,7 | 99,8 | 99,9 | 99,9 | 99,9 | 99,9 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| ≥ 1200 | 99,5 | 99,7 | 99,8 | 99,9 | 99,9 | 99,9 | 99,9 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| ≥ 1000 | 99,5 | 99,7 | 99,8 | 99,9 | 99,9 | 99,9 | 99,9 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| ≥ 900 | 99,5 | 99,7 | 99,8 | 99,9 | 99,9 | 99,9 | 99,9 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| ≥ 800 | 99,5 | 99,7 | 99,8 | 99,9 | 99,9 | 99,9 | 99,9 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| ≥ 700 | 99,5 | 99,7 | 99,8 | 99,9 | 99,9 | 99,9 | 99,9 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| ≥ 600 | 99,5 | 99,7 | 99,8 | 99,9 | 99,9 | 99,9 | 99,9 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| ≥ 500 | 99,5 | 99,7 | 99,8 | 99,9 | 99,9 | 99,9 | 99,9 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| ≥ 400 | 99,5 | 99,7 | 99,8 | 99,9 | 99,9 | 99,9 | 99,9 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| ≥ 300 | 99,5 | 99,7 | 99,8 | 99,9 | 99,9 | 99,9 | 99,9 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| ≥ 200 | 99,5 | 99,7 | 99,8 | 99,9 | 99,9 | 99,9 | 99,9 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| ≥ 100 | 99,5 | 99,7 | 99,8 | 99,9 | 99,9 | 99,9 | 99,9 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| ≥ 0 | 99,5 | 99,7 | 99,8 | 99,9 | 99,9 | 99,9 | 99,9 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |

TOTAL NUMBER OF OBSERVATIONS 2386

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111 STATION — LUKE AFB ARIZONA/PHOENIX STATION NAME — 42-46,52-72 YEARS — JUN MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000 HOURS LST

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 88.5 | 88.7 | 88.8 | 88.8 | 88.8 | 88.8 | 88.9 | 88.9 | 88.9 | 88.9 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| ≥ 20000 | 93.8 | 94.2 | 94.3 | 94.3 | 94.3 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| ≥ 18000 | 94.3 | 94.7 | 94.8 | 94.8 | 94.8 | 94.9 | 95.0 | 95.0 | 95.0 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| ≥ 16000 | 95.2 | 95.5 | 95.6 | 95.6 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 96.0 | 96.0 |
| ≥ 14000 | 96.1 | 96.3 | 96.6 | 96.6 | 96.7 | 96.7 | 96.9 | 96.9 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 |
| ≥ 12000 | 97.0 | 97.4 | 97.4 | 97.5 | 97.6 | 97.7 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 98.0 | 98.0 |
| ≥ 10000 | 97.6 | 97.9 | 98.1 | 98.2 | 98.2 | 98.3 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥ 9000 | 97.7 | 98.0 | 98.1 | 98.2 | 98.3 | 98.4 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 8000 | 97.9 | 98.2 | 98.4 | 98.5 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 7000 | 98.1 | 98.4 | 98.6 | 98.7 | 98.7 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 |
| ≥ 6000 | 98.4 | 98.8 | 99.0 | 99.0 | 99.1 | 99.2 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 |
| ≥ 5000 | 98.6 | 98.9 | 99.1 | 99.2 | 99.2 | 99.3 | 99.5 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 |
| ≥ 4500 | 98.7 | 99.0 | 99.2 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 |
| ≥ 4000 | 98.7 | 99.0 | 99.2 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 |
| ≥ 3500 | 98.7 | 99.0 | 99.2 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 |
| ≥ 3000 | 98.7 | 99.0 | 99.2 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 |
| ≥ 2500 | 98.7 | 99.0 | 99.2 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 |
| ≥ 2000 | 98.7 | 99.0 | 99.2 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 |
| ≥ 1800 | 98.7 | 99.0 | 99.2 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 |
| ≥ 1500 | 98.7 | 99.0 | 99.2 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 |
| ≥ 1200 | 98.7 | 99.0 | 99.2 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 |
| ≥ 1000 | 98.7 | 99.0 | 99.2 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 |
| ≥ 900 | 98.7 | 99.0 | 99.2 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 |
| ≥ 800 | 98.7 | 99.0 | 99.2 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 |
| ≥ 700 | 98.7 | 99.0 | 99.2 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 |
| ≥ 600 | 98.7 | 99.0 | 99.2 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 |
| ≥ 500 | 98.7 | 99.0 | 99.2 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 |
| ≥ 400 | 98.7 | 99.0 | 99.2 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 |
| ≥ 300 | 98.7 | 99.0 | 99.2 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 |
| ≥ 200 | 98.7 | 99.0 | 99.2 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 |
| ≥ 100 | 98.7 | 99.0 | 99.2 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 |
| ≥ 0 | 98.7 | 99.0 | 99.2 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2384

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

22111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) JUN (MONTH)

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

2100-2300 (HOURS LST)

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 91.0 | 91.3 | 91.3 | 91.4 | 91.4 | 91.4 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| ≥ 20000 | 94.2 | 94.4 | 94.4 | 94.5 | 94.6 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| ≥ 18000 | 94.4 | 94.6 | 94.6 | 94.8 | 94.8 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| ≥ 16000 | 95.0 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| ≥ 14000 | 96.2 | 96.4 | 96.5 | 96.6 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| ≥ 12000 | 97.2 | 97.4 | 97.5 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 |
| ≥ 10000 | 97.7 | 97.9 | 98.0 | 98.2 | 98.2 | 98.2 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 9000 | 97.9 | 98.1 | 98.2 | 98.4 | 98.4 | 98.4 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 |
| ≥ 8000 | 98.3 | 98.6 | 98.7 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 7000 | 98.7 | 99.0 | 99.0 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 6000 | 99.0 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 5000 | 99.1 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 4500 | 99.1 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 4000 | 99.1 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3500 | 99.1 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3000 | 99.1 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2500 | 99.1 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2000 | 99.1 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.1 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.1 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.1 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.1 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.1 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.1 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.1 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.1 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.1 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.1 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.1 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.1 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.1 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.1 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2385

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) JUL (MONTH)

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

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

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 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 | 70.5 | 70.5 | 70.5 |
| ≥ 20000 | 78.2 | 78.4 | 78.5 | 78.5 | 78.5 | 78.5 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 |
| ≥ 18000 | 78.7 | 79.0 | 79.0 | 79.0 | 79.0 | 79.1 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 |
| ≥ 16000 | 79.9 | 80.1 | 80.2 | 80.2 | 80.2 | 80.3 | 80.3 | 80.3 | 80.3 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 |
| ≥ 14000 | 86.7 | 87.0 | 87.0 | 87.1 | 87.1 | 87.1 | 87.2 | 87.2 | 87.2 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| ≥ 12000 | 91.6 | 92.1 | 92.2 | 92.3 | 92.3 | 92.4 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| ≥ 10000 | 94.2 | 94.8 | 94.8 | 94.9 | 95.0 | 95.0 | 95.1 | 95.1 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| ≥ 9000 | 95.0 | 95.5 | 95.6 | 95.7 | 95.8 | 95.8 | 95.9 | 95.9 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| ≥ 8000 | 96.2 | 96.8 | 97.0 | 97.1 | 97.2 | 97.3 | 97.4 | 97.4 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| ≥ 7000 | 97.5 | 98.2 | 98.4 | 98.4 | 98.6 | 98.6 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 6000 | 97.9 | 98.7 | 98.9 | 98.9 | 99.1 | 99.2 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 5000 | 98.0 | 99.1 | 99.2 | 99.3 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 4500 | 98.0 | 99.1 | 99.2 | 99.3 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 4000 | 98.0 | 99.2 | 99.3 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 3500 | 98.0 | 99.2 | 99.3 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 3000 | 98.0 | 99.2 | 99.3 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 2500 | 98.0 | 99.2 | 99.3 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2000 | 98.0 | 99.2 | 99.3 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 98.0 | 99.2 | 99.3 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 98.0 | 99.2 | 99.3 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 98.0 | 99.2 | 99.3 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 98.0 | 99.2 | 99.3 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 98.0 | 99.2 | 99.3 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 98.0 | 99.2 | 99.3 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 98.0 | 99.2 | 99.3 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 98.0 | 99.2 | 99.3 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 98.0 | 99.2 | 99.3 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 98.0 | 99.2 | 99.3 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 98.0 | 99.2 | 99.3 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 98.0 | 99.2 | 99.3 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 98.0 | 99.2 | 99.3 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 98.0 | 99.2 | 99.3 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2442

USAF ETAC FORM 10-64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) JUL (MONTH)

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

0300-0500 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 70.2 | 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 | 70.5 | 70.5 |
| ≥ 20000 | 77.1 | 77.3 | 77.3 | 77.4 | 77.4 | 77.4 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 |
| ≥ 18000 | 77.7 | 77.9 | 77.9 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| ≥ 16000 | 79.4 | 79.6 | 79.6 | 79.6 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 |
| ≥ 14000 | 85.2 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 |
| ≥ 12000 | 91.9 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.5 | 92.5 | 92.5 |
| ≥ 10000 | 95.2 | 95.6 | 95.6 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 |
| ≥ 9000 | 96.0 | 96.4 | 96.4 | 96.5 | 96.5 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| ≥ 8000 | 97.2 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 |
| ≥ 7000 | 98.1 | 98.6 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 |
| ≥ 6000 | 98.7 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 5000 | 98.8 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 4500 | 98.8 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 4000 | 99.0 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 3500 | 99.0 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 3000 | 99.0 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 2500 | 99.0 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2000 | 99.0 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.0 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.0 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.0 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.0 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.0 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.0 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.0 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.0 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.0 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.0 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.0 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.0 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.0 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.0 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2413

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

22111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) JUL (MONTH)

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

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

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 66.9 | 67.4 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| ≥ 20000 | 73.8 | 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 | 74.5 | 74.5 |
| ≥ 18000 | 74.7 | 75.2 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 |
| ≥ 16000 | 76.8 | 77.4 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 |
| ≥ 14000 | 84.9 | 85.5 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 |
| ≥ 12000 | 92.6 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| ≥ 10000 | 95.8 | 96.4 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| ≥ 9000 | 96.7 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| ≥ 8000 | 97.8 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥ 7000 | 98.2 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 6000 | 98.8 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 5000 | 99.0 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 4500 | 99.0 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 4000 | 99.0 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 3500 | 99.0 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 3000 | 99.0 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 2500 | 99.0 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 2000 | 99.0 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1800 | 99.0 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1500 | 99.0 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1200 | 99.0 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.0 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.0 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.0 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.0 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.0 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.0 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.0 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.0 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.0 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.0 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.0 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2492

USAF ETAC FORM NOV 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

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# CEILING VERSUS VISIBILITY

22111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) JUL (MONTH)

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

0800-1100 (HOURS LST)

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥ | ≥⅞ | ≥¾ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 73.9 | 74.2 | 74.3 | 74.3 | 74.3 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| ≥ 20000 | 80.0 | 80.2 | 80.4 | 80.4 | 80.5 | 80.5 | 80.5 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 |
| ≥ 18000 | 80.4 | 80.7 | 80.8 | 80.8 | 80.9 | 80.9 | 80.9 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 |
| ≥ 16000 | 83.2 | 83.6 | 83.7 | 83.7 | 83.8 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| ≥ 14000 | 89.6 | 89.9 | 90.1 | 90.1 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| ≥ 12000 | 95.2 | 95.5 | 95.7 | 95.7 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| ≥ 10000 | 97.0 | 97.4 | 97.5 | 97.5 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| ≥ 9000 | 97.7 | 98.1 | 98.2 | 98.3 | 98.3 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 8000 | 98.2 | 98.6 | 98.7 | 98.8 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 7000 | 98.5 | 98.9 | 99.0 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 6000 | 98.9 | 99.3 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 5000 | 99.2 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 4500 | 99.2 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 4000 | 99.3 | 99.6 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3500 | 99.3 | 99.6 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3000 | 99.3 | 99.6 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2500 | 99.3 | 99.6 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2000 | 99.3 | 99.6 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.3 | 99.6 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.3 | 99.6 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.3 | 99.6 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.3 | 99.6 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.3 | 99.6 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.3 | 99.6 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.3 | 99.6 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.3 | 99.6 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.3 | 99.6 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.3 | 99.6 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.3 | 99.6 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.3 | 99.6 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.3 | 99.6 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.3 | 99.6 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2484

USAF ETAC FORM NO. 61 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

22111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) JUL (MONTH)

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

1200-1400 (HOURS LST)

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 81.8 | 82.1 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 |
| ≥ 20000 | 86.9 | 87.2 | 87.3 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| ≥ 18000 | 87.5 | 87.8 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| ≥ 16000 | 89.2 | 89.5 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| ≥ 14000 | 93.1 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| ≥ 12000 | 97.0 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| ≥ 10000 | 98.5 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 9000 | 98.5 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 8000 | 98.6 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 7000 | 98.8 | 99.1 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 6000 | 98.9 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 5000 | 99.2 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 4500 | 99.2 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 4000 | 99.2 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 3500 | 99.2 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 3000 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 2500 | 99.4 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2000 | 99.4 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.4 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.4 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.5 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.5 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.5 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.5 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.5 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.5 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.5 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.5 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.5 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.5 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.5 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.5 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2493

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) JUL (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 82.2 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| ≥ 20000 | 90.5 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| ≥ 18000 | 90.9 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| ≥ 16000 | 91.8 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 |
| ≥ 14000 | 94.7 | 94.9 | 94.9 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| ≥ 12000 | 97.8 | 98.0 | 98.0 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 10000 | 98.5 | 98.6 | 98.7 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 9000 | 98.6 | 98.7 | 98.8 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 8000 | 98.7 | 98.9 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 7000 | 99.0 | 99.2 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 6000 | 99.1 | 99.3 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 5000 | 99.2 | 99.4 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 4500 | 99.2 | 99.4 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 4000 | 99.2 | 99.4 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 3500 | 99.2 | 99.4 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 3000 | 99.2 | 99.4 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 2500 | 99.2 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 2000 | 99.2 | 99.4 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1800 | 99.3 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.3 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.3 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.3 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.3 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.3 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.3 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.3 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.3 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.3 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.3 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.3 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.3 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0 | 99.3 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2494

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

23111 STATION LUKE AFB ARIZONA/PHOENIX STATION NAME 42-46,51-72 YEARS JUL MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000 HOURS (LST)

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅜ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 66.5 | 66.6 | 66.6 | 66.6 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.8 |
| ≥ 20000 | 80.1 | 80.2 | 80.3 | 80.4 | 80.5 | 80.5 | 80.6 | 80.6 | 80.6 | 80.6 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| ≥ 18000 | 80.6 | 80.8 | 80.8 | 81.0 | 81.0 | 81.0 | 81.1 | 81.1 | 81.1 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| ≥ 16000 | 82.4 | 82.6 | 82.6 | 82.8 | 82.8 | 82.9 | 83.0 | 83.0 | 83.0 | 83.0 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| ≥ 14000 | 87.1 | 87.2 | 87.3 | 87.5 | 87.6 | 87.6 | 87.7 | 87.7 | 87.7 | 87.8 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| ≥ 12000 | 91.0 | 91.2 | 91.2 | 91.4 | 91.5 | 91.6 | 91.7 | 91.7 | 91.7 | 91.8 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 92.0 |
| ≥ 10000 | 92.9 | 93.1 | 93.3 | 93.5 | 93.6 | 93.6 | 93.7 | 93.7 | 93.8 | 93.9 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.1 |
| ≥ 9000 | 93.7 | 94.0 | 94.1 | 94.3 | 94.5 | 94.5 | 94.7 | 94.7 | 94.7 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 95.0 | 95.1 |
| ≥ 8000 | 95.1 | 95.6 | 95.8 | 96.0 | 96.2 | 96.2 | 96.4 | 96.5 | 96.5 | 96.7 | 96.7 | 96.7 | 96.9 | 96.9 | 96.9 | 97.0 |
| ≥ 7000 | 96.2 | 96.7 | 96.9 | 97.1 | 97.4 | 97.4 | 97.7 | 97.7 | 97.8 | 98.0 | 98.0 | 98.0 | 98.2 | 98.2 | 98.2 | 98.4 |
| ≥ 6000 | 96.5 | 97.1 | 97.3 | 97.5 | 97.8 | 97.8 | 98.0 | 98.1 | 98.1 | 98.4 | 98.4 | 98.4 | 98.6 | 98.6 | 98.6 | 98.8 |
| ≥ 5000 | 96.9 | 97.5 | 97.8 | 98.0 | 98.2 | 98.2 | 98.5 | 98.6 | 98.6 | 98.9 | 98.9 | 98.9 | 99.1 | 99.1 | 99.2 | 99.3 |
| ≥ 4500 | 97.0 | 97.6 | 97.9 | 98.1 | 98.3 | 98.4 | 98.6 | 98.7 | 98.7 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.3 | 99.5 |
| ≥ 4000 | 97.1 | 97.7 | 98.0 | 98.2 | 98.4 | 98.4 | 98.7 | 98.8 | 98.8 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.4 | 99.6 |
| ≥ 3500 | 97.1 | 97.7 | 98.0 | 98.2 | 98.4 | 98.4 | 98.7 | 98.8 | 98.8 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.4 | 99.6 |
| ≥ 3000 | 97.1 | 97.8 | 98.0 | 98.2 | 98.4 | 98.5 | 98.7 | 98.8 | 98.8 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.5 | 99.7 |
| ≥ 2500 | 97.1 | 97.8 | 98.0 | 98.2 | 98.4 | 98.5 | 98.7 | 98.8 | 98.8 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.5 | 99.7 |
| ≥ 2000 | 97.1 | 97.8 | 98.0 | 98.2 | 98.4 | 98.5 | 98.7 | 98.8 | 98.8 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.5 | 99.7 |
| ≥ 1800 | 97.1 | 97.8 | 98.0 | 98.2 | 98.4 | 98.5 | 98.7 | 98.8 | 98.8 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.5 | 99.7 |
| ≥ 1500 | 97.1 | 97.8 | 98.0 | 98.2 | 98.4 | 98.5 | 98.7 | 98.8 | 98.8 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.5 | 99.7 |
| ≥ 1200 | 97.1 | 97.8 | 98.0 | 98.2 | 98.4 | 98.5 | 98.7 | 98.8 | 98.8 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.5 | 99.7 |
| ≥ 1000 | 97.1 | 97.8 | 98.0 | 98.2 | 98.4 | 98.5 | 98.7 | 98.8 | 98.8 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.5 | 99.7 |
| ≥ 900 | 97.1 | 97.8 | 98.0 | 98.2 | 98.4 | 98.5 | 98.7 | 98.8 | 98.8 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.5 | 99.7 |
| ≥ 800 | 97.1 | 97.8 | 98.0 | 98.2 | 98.4 | 98.5 | 98.7 | 98.8 | 98.8 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.5 | 99.7 |
| ≥ 700 | 97.1 | 97.8 | 98.0 | 98.2 | 98.4 | 98.5 | 98.7 | 98.8 | 98.8 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.5 | 99.7 |
| ≥ 600 | 97.1 | 97.8 | 98.0 | 98.2 | 98.4 | 98.5 | 98.7 | 98.8 | 98.8 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.5 | 99.7 |
| ≥ 500 | 97.1 | 97.8 | 98.0 | 98.2 | 98.4 | 98.5 | 98.7 | 98.8 | 98.8 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.5 | 99.7 |
| ≥ 400 | 97.1 | 97.8 | 98.0 | 98.2 | 98.4 | 98.5 | 98.7 | 98.8 | 98.8 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.5 | 99.7 |
| ≥ 300 | 97.1 | 97.8 | 98.0 | 98.2 | 98.4 | 98.5 | 98.7 | 98.8 | 98.8 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.5 | 99.7 |
| ≥ 200 | 97.1 | 97.8 | 98.0 | 98.2 | 98.4 | 98.5 | 98.7 | 98.8 | 98.8 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.5 | 99.7 |
| ≥ 100 | 97.1 | 97.8 | 98.0 | 98.2 | 98.4 | 98.5 | 98.7 | 98.8 | 98.8 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.6 | 99.7 |
| ≥ 0 | 97.1 | 97.8 | 98.0 | 98.2 | 98.4 | 98.5 | 98.7 | 98.8 | 98.8 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2489

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) JUL (MONTH)

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

2100-2300 (HOURS (LST))

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 67.2 | 67.8 | 67.9 | 68.0 | 68.0 | 68.0 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| ≥ 20000 | 76.4 | 77.1 | 77.3 | 77.4 | 77.4 | 77.5 | 77.6 | 77.6 | 77.6 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| ≥ 18000 | 76.9 | 77.6 | 77.8 | 78.0 | 78.0 | 78.0 | 78.1 | 78.1 | 78.1 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| ≥ 16000 | 78.2 | 79.0 | 79.2 | 79.3 | 79.3 | 79.4 | 79.5 | 79.5 | 79.5 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 |
| ≥ 14000 | 84.4 | 85.3 | 85.5 | 85.7 | 85.8 | 85.9 | 85.9 | 85.9 | 85.9 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| ≥ 12000 | 89.0 | 90.1 | 90.3 | 90.6 | 90.7 | 90.7 | 90.8 | 90.8 | 90.8 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 91.0 |
| ≥ 10000 | 91.7 | 92.9 | 93.1 | 93.4 | 93.5 | 93.6 | 93.7 | 93.7 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.9 |
| ≥ 9000 | 92.5 | 93.8 | 94.1 | 94.3 | 94.5 | 94.6 | 94.7 | 94.7 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.9 |
| ≥ 8000 | 94.1 | 95.6 | 95.8 | 96.1 | 96.3 | 96.4 | 96.5 | 96.5 | 96.5 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| ≥ 7000 | 95.5 | 97.1 | 97.5 | 97.8 | 98.0 | 98.1 | 98.2 | 98.2 | 98.2 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.5 |
| ≥ 6000 | 96.1 | 97.7 | 98.1 | 98.4 | 98.7 | 98.8 | 98.9 | 98.9 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 |
| ≥ 5000 | 96.3 | 98.0 | 98.4 | 98.7 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 |
| ≥ 4500 | 96.4 | 98.2 | 98.5 | 98.9 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 |
| ≥ 4000 | 96.4 | 98.2 | 98.6 | 98.9 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 3500 | 96.4 | 98.2 | 98.6 | 98.9 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 3000 | 96.4 | 98.2 | 98.6 | 98.9 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 2500 | 96.4 | 98.2 | 98.6 | 98.9 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 2000 | 96.4 | 98.2 | 98.6 | 98.9 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 1800 | 96.4 | 98.2 | 98.6 | 98.9 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 1500 | 96.4 | 98.2 | 98.6 | 98.9 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 1200 | 96.4 | 98.2 | 98.6 | 98.9 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 1000 | 96.4 | 98.2 | 98.6 | 98.9 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 900 | 96.4 | 98.2 | 98.6 | 98.9 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 800 | 96.4 | 98.2 | 98.6 | 98.9 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 700 | 96.4 | 98.2 | 98.6 | 98.9 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 600 | 96.4 | 98.2 | 98.6 | 98.9 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 500 | 96.4 | 98.2 | 98.6 | 98.9 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 400 | 96.4 | 98.2 | 98.6 | 98.9 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 300 | 96.4 | 98.2 | 98.6 | 98.9 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 200 | 96.4 | 98.2 | 98.6 | 98.9 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 100 | 96.4 | 98.2 | 98.6 | 98.9 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 |
| 0 | 96.4 | 98.2 | 98.6 | 98.9 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2496

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

22111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) AUG (MONTH)

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

0000-0200 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 69,8 | 70,0 | 70,1 | 70,1 | 70,2 | 70,2 | 70,2 | 70,2 | 70,2 | 70,2 | 70,2 | 70,2 | 70,2 | 70,2 | 70,2 | 70,2 |
| ≥ 20000 | 77,8 | 78,0 | 78,2 | 78,2 | 78,3 | 78,3 | 78,3 | 78,3 | 78,3 | 78,3 | 78,3 | 78,3 | 78,3 | 78,3 | 78,3 | 78,3 |
| ≥ 18000 | 78,0 | 78,3 | 78,5 | 78,5 | 78,5 | 78,5 | 78,5 | 78,6 | 78,6 | 78,6 | 78,6 | 78,6 | 78,6 | 78,6 | 78,6 | 78,6 |
| ≥ 16000 | 79,6 | 79,8 | 80,1 | 80,1 | 80,1 | 80,1 | 80,1 | 80,2 | 80,2 | 80,2 | 80,2 | 80,2 | 80,2 | 80,2 | 80,2 | 80,2 |
| ≥ 14000 | 85,4 | 85,7 | 86,0 | 86,0 | 86,1 | 86,1 | 86,2 | 86,2 | 86,2 | 86,2 | 86,2 | 86,2 | 86,2 | 86,2 | 86,2 | 86,2 |
| ≥ 12000 | 90,0 | 90,3 | 90,6 | 90,6 | 90,8 | 90,8 | 90,8 | 90,8 | 90,8 | 90,9 | 90,9 | 90,9 | 90,9 | 90,9 | 90,9 | 90,9 |
| ≥ 10000 | 92,4 | 92,8 | 93,1 | 93,1 | 93,2 | 93,2 | 93,2 | 93,3 | 93,3 | 93,3 | 93,3 | 93,3 | 93,3 | 93,3 | 93,3 | 93,3 |
| ≥ 9000 | 93,7 | 94,2 | 94,6 | 94,7 | 94,8 | 94,8 | 94,8 | 94,9 | 94,9 | 94,9 | 94,9 | 94,9 | 94,9 | 94,9 | 94,9 | 94,9 |
| ≥ 8000 | 95,2 | 95,9 | 96,3 | 96,4 | 96,5 | 96,5 | 96,6 | 96,6 | 96,6 | 96,7 | 96,7 | 96,7 | 96,7 | 96,7 | 96,7 | 96,7 |
| ≥ 7000 | 96,2 | 97,1 | 97,4 | 97,5 | 97,6 | 97,6 | 97,7 | 97,7 | 97,7 | 97,8 | 97,8 | 97,8 | 97,8 | 97,8 | 97,8 | 97,8 |
| ≥ 6000 | 97,0 | 98,2 | 98,6 | 98,7 | 98,8 | 98,8 | 98,9 | 99,0 | 99,0 | 99,1 | 99,1 | 99,1 | 99,1 | 99,1 | 99,1 | 99,1 |
| ≥ 5000 | 97,1 | 98,3 | 98,9 | 99,0 | 99,1 | 99,1 | 99,2 | 99,3 | 99,3 | 99,4 | 99,4 | 99,4 | 99,4 | 99,4 | 99,4 | 99,4 |
| ≥ 4500 | 97,2 | 98,4 | 99,0 | 99,1 | 99,3 | 99,3 | 99,3 | 99,4 | 99,4 | 99,5 | 99,5 | 99,5 | 99,5 | 99,5 | 99,5 | 99,5 |
| ≥ 4000 | 97,3 | 98,5 | 99,2 | 99,3 | 99,5 | 99,5 | 99,5 | 99,6 | 99,6 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 |
| ≥ 3500 | 97,3 | 98,6 | 99,3 | 99,4 | 99,6 | 99,6 | 99,6 | 99,7 | 99,7 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 |
| ≥ 3000 | 97,3 | 98,6 | 99,3 | 99,4 | 99,6 | 99,6 | 99,6 | 99,7 | 99,7 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 |
| ≥ 2500 | 97,3 | 98,6 | 99,3 | 99,4 | 99,6 | 99,6 | 99,6 | 99,7 | 99,7 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 | 99,8 |
| ≥ 2000 | 97,3 | 98,6 | 99,3 | 99,4 | 99,6 | 99,6 | 99,7 | 99,8 | 99,8 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 |
| ≥ 1800 | 97,3 | 98,6 | 99,3 | 99,4 | 99,6 | 99,6 | 99,7 | 99,8 | 99,8 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 |
| ≥ 1500 | 97,3 | 98,6 | 99,3 | 99,4 | 99,6 | 99,6 | 99,7 | 99,8 | 99,8 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 |
| ≥ 1200 | 97,3 | 98,6 | 99,3 | 99,4 | 99,6 | 99,6 | 99,7 | 99,8 | 99,8 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 |
| ≥ 1000 | 97,3 | 98,6 | 99,3 | 99,4 | 99,6 | 99,6 | 99,7 | 99,8 | 99,8 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 |
| ≥ 900 | 97,3 | 98,6 | 99,3 | 99,4 | 99,6 | 99,6 | 99,7 | 99,8 | 99,8 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 |
| ≥ 800 | 97,3 | 98,6 | 99,3 | 99,4 | 99,6 | 99,6 | 99,7 | 99,8 | 99,8 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 |
| ≥ 700 | 97,3 | 98,6 | 99,3 | 99,4 | 99,6 | 99,6 | 99,7 | 99,8 | 99,8 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 |
| ≥ 600 | 97,3 | 98,6 | 99,3 | 99,4 | 99,7 | 99,7 | 99,7 | 99,8 | 99,8 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 | 99,9 |
| ≥ 500 | 97,3 | 98,6 | 99,3 | 99,4 | 99,7 | 99,7 | 99,8 | 99,8 | 99,8 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| ≥ 400 | 97,3 | 98,6 | 99,3 | 99,4 | 99,7 | 99,7 | 99,8 | 99,8 | 99,8 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| ≥ 300 | 97,3 | 98,6 | 99,3 | 99,4 | 99,7 | 99,7 | 99,8 | 99,8 | 99,8 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| ≥ 200 | 97,3 | 98,6 | 99,3 | 99,4 | 99,7 | 99,7 | 99,8 | 99,8 | 99,8 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| ≥ 100 | 97,3 | 98,6 | 99,3 | 99,4 | 99,7 | 99,7 | 99,8 | 99,8 | 99,8 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| 0 | 97,3 | 98,6 | 99,3 | 99,4 | 99,7 | 99,7 | 99,8 | 99,8 | 99,8 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |

TOTAL NUMBER OF OBSERVATIONS 2414

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

22111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) AUG (MONTH)

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

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

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 72.3 | 72.3 | 72.4 | 72.4 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| ≥ 20000 | 78.6 | 78.6 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 |
| ≥ 18000 | 78.9 | 78.9 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 |
| ≥ 16000 | 80.6 | 80.8 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
| ≥ 14000 | 86.7 | 86.8 | 86.9 | 86.9 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| ≥ 12000 | 92.5 | 92.6 | 92.7 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| ≥ 10000 | 95.0 | 95.1 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| ≥ 9000 | 96.1 | 96.4 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| ≥ 8000 | 97.2 | 97.6 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| ≥ 7000 | 97.8 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥ 6000 | 98.3 | 98.9 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 5000 | 98.5 | 99.1 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 4500 | 98.6 | 99.2 | 99.4 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 4000 | 98.6 | 99.2 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 3500 | 98.6 | 99.2 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 3000 | 98.6 | 99.2 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 2500 | 98.6 | 99.2 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 2000 | 98.6 | 99.2 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1800 | 98.6 | 99.2 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1500 | 98.6 | 99.2 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 98.6 | 99.2 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 98.6 | 99.2 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 98.6 | 99.2 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 98.6 | 99.2 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 98.6 | 99.2 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 98.6 | 99.2 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 98.6 | 99.2 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 98.6 | 99.2 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 98.6 | 99.2 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 98.6 | 99.2 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 98.6 | 99.2 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 98.6 | 99.2 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2411

USAF ETAC FORM NO. 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

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# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) AUG (MONTH)

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

0600-0800 (HOURS (LST))

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 67.8 | 68.1 | 68.1 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 |
| ≥ 20000 | 74.4 | 74.7 | 74.8 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 |
| ≥ 18000 | 75.6 | 75.9 | 75.9 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| ≥ 16000 | 77.8 | 78.1 | 78.2 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 |
| ≥ 14000 | 85.8 | 86.2 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| ≥ 12000 | 91.7 | 92.2 | 92.3 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| ≥ 10000 | 94.9 | 95.4 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| ≥ 9000 | 95.7 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.2 | 96.3 | 96.3 | 96.3 |
| ≥ 8000 | 96.9 | 97.4 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| ≥ 7000 | 97.4 | 97.9 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| ≥ 6000 | 98.0 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥ 5000 | 98.6 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 4500 | 98.6 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 4000 | 98.8 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 3500 | 98.8 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 3000 | 98.8 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 2500 | 98.9 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 2000 | 98.9 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1800 | 98.9 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1500 | 98.9 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1200 | 98.9 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1000 | 98.9 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 98.9 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 98.9 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 98.9 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 98.9 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 98.9 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 98.9 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 98.9 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 98.9 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 98.9 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 98.9 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2410

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

23111 STATION — LUKE AFB ARIZONA/PHOENIX STATION NAME — 42-46,51-71 YEARS — AUG MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100 HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 74.7 | 75.2 | 75.2 | 75.2 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| ≥ 20000 | 80.3 | 80.8 | 80.8 | 80.8 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 |
| ≥ 18000 | 81.3 | 81.7 | 81.7 | 81.8 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| ≥ 16000 | 84.1 | 84.5 | 84.5 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| ≥ 14000 | 89.7 | 90.1 | 90.1 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| ≥ 12000 | 94.0 | 94.5 | 94.5 | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| ≥ 10000 | 95.8 | 96.3 | 96.3 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| ≥ 9000 | 96.2 | 96.6 | 96.6 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| ≥ 8000 | 96.8 | 97.3 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| ≥ 7000 | 96.9 | 97.5 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| ≥ 6000 | 97.8 | 98.3 | 98.3 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 5000 | 98.3 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 4500 | 98.3 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 4000 | 98.5 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 3500 | 98.5 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 3000 | 98.6 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 2500 | 98.6 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 2000 | 98.6 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 1800 | 98.6 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 1500 | 98.6 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 1200 | 98.8 | 99.5 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1000 | 98.8 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 900 | 98.8 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 800 | 98.8 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 700 | 98.8 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 600 | 98.8 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 500 | 98.8 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 400 | 98.8 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 300 | 98.8 | 99.6 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 98.8 | 99.6 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 98.8 | 99.6 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 98.8 | 99.6 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2415

USAF ETAC FORM NO. 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) AUG (MONTH)

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

1200-1400 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 80.7 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 |
| ≥ 20000 | 88.0 | 88.0 | 88.0 | 88.0 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| ≥ 18000 | 88.8 | 88.9 | 88.9 | 88.9 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| ≥ 16000 | 90.4 | 90.4 | 90.4 | 90.4 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| ≥ 14000 | 93.8 | 93.9 | 93.9 | 93.9 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| ≥ 12000 | 95.9 | 96.0 | 96.0 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| ≥ 10000 | 96.9 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| ≥ 9000 | 97.1 | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| ≥ 8000 | 97.4 | 97.5 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| ≥ 7000 | 97.9 | 98.0 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| ≥ 6000 | 98.4 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥ 5000 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 4500 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 4000 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 3500 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 3000 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 2500 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 2000 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1800 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1500 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1200 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1000 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 900 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 800 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 700 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 600 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 500 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 400 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 300 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2416

USAF ETAC FORM Jul 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) AUG (MONTH)

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

1500-1700 (HOURS LST)

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 78.7 | 78.7 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 |
| ≥ 20000 | 89.2 | 89.3 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.5 | 89.5 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.7 | 89.7 |
| ≥ 18000 | 90.0 | 90.1 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.3 | 90.3 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.5 |
| ≥ 16000 | 91.4 | 91.5 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.7 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.9 |
| ≥ 14000 | 93.8 | 93.9 | 94.0 | 94.0 | 94.0 | 94.0 | 94.1 | 94.1 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.3 | 94.4 |
| ≥ 12000 | 95.5 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.9 | 95.9 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.1 | 96.2 |
| ≥ 10000 | 96.4 | 96.5 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 |
| ≥ 9000 | 96.5 | 96.7 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 |
| ≥ 8000 | 97.1 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 98.0 | 98.0 |
| ≥ 7000 | 97.5 | 97.8 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.4 | 98.5 |
| ≥ 6000 | 97.8 | 98.1 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.9 | 99.0 |
| ≥ 5000 | 98.1 | 98.5 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.3 | 99.4 |
| ≥ 4500 | 98.1 | 98.5 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.3 | 99.4 |
| ≥ 4000 | 98.3 | 98.7 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.6 |
| ≥ 3500 | 98.4 | 98.8 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.6 |
| ≥ 3000 | 98.5 | 98.8 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.7 |
| ≥ 2500 | 98.5 | 98.8 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.7 |
| ≥ 2000 | 98.6 | 98.9 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 99.8 |
| ≥ 1800 | 98.6 | 99.0 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 |
| ≥ 1500 | 98.6 | 99.0 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 |
| ≥ 1200 | 98.6 | 99.0 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 |
| ≥ 1000 | 98.6 | 99.0 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.9 |
| ≥ 900 | 98.6 | 99.0 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.9 |
| ≥ 800 | 98.6 | 99.0 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.9 |
| ≥ 700 | 98.6 | 99.0 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.9 |
| ≥ 600 | 98.6 | 99.0 | 99.2 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 |
| ≥ 500 | 98.6 | 99.0 | 99.2 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 |
| ≥ 400 | 98.6 | 99.0 | 99.2 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 |
| ≥ 300 | 98.6 | 99.0 | 99.2 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 |
| ≥ 200 | 98.6 | 99.0 | 99.2 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 |
| ≥ 100 | 98.6 | 99.0 | 99.2 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 |
| ≥ 0 | 98.6 | 99.0 | 99.2 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2416

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) AUG (MONTH)

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

1800-2000 HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 64.9 | 65.1 | 65.1 | 65.1 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 |
| ≥ 20000 | 80.7 | 81.1 | 81.2 | 81.3 | 81.3 | 81.3 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 |
| ≥ 18000 | 81.5 | 81.9 | 82.0 | 82.1 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 |
| ≥ 16000 | 83.0 | 83.4 | 83.5 | 83.6 | 83.7 | 83.7 | 83.7 | 83.7 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| ≥ 14000 | 86.8 | 87.2 | 87.3 | 87.4 | 87.5 | 87.5 | 87.6 | 87.6 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| ≥ 12000 | 90.1 | 90.5 | 90.7 | 90.8 | 91.0 | 91.0 | 91.1 | 91.1 | 91.1 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.3 |
| ≥ 10000 | 91.8 | 92.2 | 92.4 | 92.5 | 92.7 | 92.7 | 92.8 | 92.8 | 92.8 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| ≥ 9000 | 92.3 | 92.8 | 93.0 | 93.0 | 93.3 | 93.3 | 93.3 | 93.3 | 93.4 | 93.4 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 |
| ≥ 8000 | 94.2 | 94.7 | 95.0 | 95.0 | 95.2 | 95.2 | 95.3 | 95.3 | 95.4 | 95.4 | 95.5 | 95.5 | 95.6 | 95.6 | 95.6 | 95.6 |
| ≥ 7000 | 95.2 | 95.8 | 96.1 | 96.2 | 96.4 | 96.4 | 96.6 | 96.6 | 96.6 | 96.7 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 97.0 |
| ≥ 6000 | 96.4 | 97.3 | 97.7 | 97.8 | 98.1 | 98.1 | 98.3 | 98.3 | 98.4 | 98.6 | 98.7 | 98.7 | 98.8 | 98.8 | 98.9 | 99.0 |
| ≥ 5000 | 96.7 | 97.6 | 98.1 | 98.1 | 98.5 | 98.5 | 98.8 | 98.8 | 98.8 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.3 | 99.4 |
| ≥ 4500 | 96.8 | 97.7 | 98.1 | 98.2 | 98.6 | 98.6 | 98.8 | 98.8 | 98.9 | 99.0 | 99.2 | 99.2 | 99.3 | 99.3 | 99.4 | 99.5 |
| ≥ 4000 | 96.8 | 97.8 | 98.2 | 98.3 | 98.7 | 98.7 | 99.0 | 99.0 | 99.0 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.6 |
| ≥ 3500 | 96.8 | 97.8 | 98.3 | 98.3 | 98.7 | 98.7 | 99.0 | 99.0 | 99.0 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.6 |
| ≥ 3000 | 96.8 | 97.8 | 98.3 | 98.3 | 98.7 | 98.7 | 99.0 | 99.0 | 99.0 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.6 |
| ≥ 2500 | 96.8 | 97.8 | 98.3 | 98.3 | 98.7 | 98.7 | 99.0 | 99.0 | 99.0 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.6 |
| ≥ 2000 | 96.8 | 97.8 | 98.3 | 98.3 | 98.7 | 98.7 | 99.0 | 99.0 | 99.0 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.6 |
| ≥ 1800 | 96.8 | 97.8 | 98.3 | 98.3 | 98.7 | 98.7 | 99.0 | 99.0 | 99.0 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.6 |
| ≥ 1500 | 96.8 | 97.8 | 98.3 | 98.3 | 98.7 | 98.7 | 99.0 | 99.0 | 99.0 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.6 |
| ≥ 1200 | 96.8 | 97.8 | 98.3 | 98.3 | 98.7 | 98.7 | 99.0 | 99.0 | 99.0 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.6 |
| ≥ 1000 | 96.8 | 97.8 | 98.3 | 98.3 | 98.7 | 98.7 | 99.0 | 99.0 | 99.0 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.6 |
| ≥ 900 | 96.8 | 97.8 | 98.3 | 98.3 | 98.7 | 98.7 | 99.0 | 99.0 | 99.0 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.6 |
| ≥ 800 | 96.8 | 97.8 | 98.3 | 98.3 | 98.7 | 98.7 | 99.0 | 99.0 | 99.0 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.6 |
| ≥ 700 | 96.8 | 97.8 | 98.3 | 98.3 | 98.7 | 98.7 | 99.0 | 99.0 | 99.0 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.6 |
| ≥ 600 | 96.8 | 97.8 | 98.3 | 98.3 | 98.7 | 98.7 | 99.0 | 99.0 | 99.1 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.7 |
| ≥ 500 | 96.8 | 97.8 | 98.3 | 98.3 | 98.7 | 98.7 | 99.0 | 99.0 | 99.1 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 | 99.8 |
| ≥ 400 | 96.8 | 97.8 | 98.3 | 98.3 | 98.7 | 98.7 | 99.0 | 99.0 | 99.1 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 99.8 |
| ≥ 300 | 96.8 | 97.8 | 98.3 | 98.3 | 98.7 | 98.7 | 99.0 | 99.0 | 99.1 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 99.8 |
| ≥ 200 | 96.8 | 97.8 | 98.3 | 98.3 | 98.7 | 98.7 | 99.0 | 99.0 | 99.1 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 99.8 |
| ≥ 100 | 96.8 | 97.8 | 98.3 | 98.3 | 98.7 | 98.7 | 99.0 | 99.0 | 99.1 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.8 | 99.9 |
| 0 | 96.8 | 97.8 | 98.3 | 98.3 | 98.7 | 98.7 | 99.0 | 99.0 | 99.1 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2416

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

22111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION/NAME) 42-46,51-71 (YEARS) AUG (MONTH)

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

2100-2300 (HOURS (LST))

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 68.7 | 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 | 69.0 | 69.0 |
| ≥ 20000 | 77.7 | 78.2 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 |
| ≥ 18000 | 78.0 | 78.5 | 78.7 | 78.7 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 |
| ≥ 16000 | 78.7 | 79.2 | 79.5 | 79.5 | 79.5 | 79.5 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 |
| ≥ 14000 | 84.0 | 84.6 | 84.9 | 84.9 | 85.0 | 85.0 | 85.1 | 85.1 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| ≥ 12000 | 88.0 | 88.7 | 89.0 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.4 | 89.4 | 89.4 | 89.5 | 89.5 | 89.5 | 89.5 |
| ≥ 10000 | 90.4 | 91.1 | 91.4 | 91.5 | 91.6 | 91.6 | 91.7 | 91.7 | 91.7 | 91.9 | 91.9 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 |
| ≥ 9000 | 91.6 | 92.5 | 92.8 | 92.8 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| ≥ 8000 | 93.5 | 94.5 | 94.8 | 95.0 | 95.1 | 95.2 | 95.2 | 95.3 | 95.3 | 95.6 | 95.6 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 |
| ≥ 7000 | 94.7 | 95.9 | 96.3 | 96.6 | 96.7 | 96.8 | 96.9 | 96.9 | 96.9 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.4 | 97.4 |
| ≥ 6000 | 95.9 | 97.4 | 97.8 | 98.1 | 98.3 | 98.3 | 98.5 | 98.6 | 98.6 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 |
| ≥ 5000 | 96.0 | 97.7 | 98.1 | 98.4 | 98.6 | 98.7 | 98.8 | 98.9 | 98.9 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 |
| ≥ 4500 | 96.1 | 97.8 | 98.2 | 98.5 | 98.7 | 98.8 | 98.9 | 99.0 | 99.0 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 |
| ≥ 4000 | 96.2 | 97.9 | 98.3 | 98.6 | 98.8 | 98.9 | 99.1 | 99.2 | 99.2 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 |
| ≥ 3500 | 96.2 | 97.9 | 98.3 | 98.6 | 98.8 | 98.9 | 99.1 | 99.2 | 99.2 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 |
| ≥ 3000 | 96.2 | 97.9 | 98.3 | 98.6 | 98.8 | 98.9 | 99.3 | 99.3 | 99.3 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 2500 | 96.2 | 97.9 | 98.3 | 98.6 | 98.8 | 98.9 | 99.3 | 99.3 | 99.3 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 2000 | 96.2 | 97.9 | 98.3 | 98.6 | 98.8 | 98.9 | 99.3 | 99.3 | 99.3 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1800 | 96.2 | 97.9 | 98.3 | 98.6 | 98.8 | 98.9 | 99.3 | 99.3 | 99.3 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1500 | 96.2 | 97.9 | 98.3 | 98.6 | 98.8 | 98.9 | 99.3 | 99.3 | 99.3 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1200 | 96.2 | 97.9 | 98.3 | 98.6 | 98.8 | 98.9 | 99.3 | 99.3 | 99.3 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1000 | 96.2 | 97.9 | 98.3 | 98.6 | 98.8 | 98.9 | 99.3 | 99.3 | 99.3 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 900 | 96.2 | 97.9 | 98.3 | 98.6 | 98.8 | 98.9 | 99.3 | 99.3 | 99.3 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 800 | 96.2 | 97.9 | 98.3 | 98.6 | 98.8 | 98.9 | 99.3 | 99.3 | 99.3 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 700 | 96.2 | 97.9 | 98.3 | 98.6 | 98.8 | 98.9 | 99.3 | 99.3 | 99.3 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 600 | 96.2 | 97.9 | 98.3 | 98.6 | 98.8 | 98.9 | 99.3 | 99.3 | 99.3 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 500 | 96.2 | 97.9 | 98.3 | 98.6 | 98.8 | 98.9 | 99.3 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 400 | 96.2 | 97.9 | 98.3 | 98.6 | 98.8 | 98.9 | 99.3 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 300 | 96.2 | 97.9 | 98.3 | 98.6 | 98.8 | 98.9 | 99.3 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 200 | 96.2 | 97.9 | 98.3 | 98.6 | 98.8 | 98.9 | 99.3 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 100 | 96.2 | 97.9 | 98.3 | 98.6 | 98.8 | 98.9 | 99.3 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 0 | 96.2 | 97.9 | 98.3 | 98.6 | 98.8 | 98.9 | 99.3 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2416

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200 (HOURS LST)

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 88.6 | 88.8 | 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 | 88.9 |
| ≥ 20000 | 90.9 | 91.0 | 91.0 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| ≥ 18000 | 91.1 | 91.2 | 91.2 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| ≥ 16000 | 91.5 | 91.6 | 91.6 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| ≥ 14000 | 93.4 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 |
| ≥ 12000 | 95.7 | 95.8 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| ≥ 10000 | 96.9 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| ≥ 9000 | 97.3 | 97.4 | 97.4 | 97.5 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| ≥ 8000 | 98.0 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 7000 | 98.5 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥ 6000 | 99.0 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 5000 | 99.2 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 4500 | 99.2 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 4000 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 3500 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 3000 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 2500 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 2000 | 99.4 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.4 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.4 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.4 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.4 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.4 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.4 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.4 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.4 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.4 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.4 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.4 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.4 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.4 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.4 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2338

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) SEP (MONTH)

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

0300-0500 (HOURS LST)

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 88.9 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| ≥ 20000 | 90.5 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 |
| ≥ 18000 | 90.9 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| ≥ 16000 | 91.5 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| ≥ 14000 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| ≥ 12000 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| ≥ 10000 | 96.9 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| ≥ 9000 | 97.5 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| ≥ 8000 | 98.0 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 7000 | 98.3 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥ 6000 | 98.8 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 5000 | 99.1 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 4500 | 99.1 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 4000 | 99.3 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 3500 | 99.4 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 3000 | 99.4 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 2500 | 99.4 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 2000 | 99.4 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.4 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.4 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.4 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.4 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.4 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.4 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.4 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.4 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.4 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.4 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.4 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.4 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.4 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.4 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2334

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) SEP (MONTH)

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

0600-0800 (HOURS LST)

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 85.2 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |
| ≥ 20000 | 86.9 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| ≥ 18000 | 87.2 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| ≥ 16000 | 88.1 | 88.1 | 88.2 | 88.2 | 88.2 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| ≥ 14000 | 90.9 | 91.0 | 91.0 | 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 |
| ≥ 12000 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| ≥ 10000 | 95.3 | 95.5 | 95.6 | 95.6 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| ≥ 9000 | 95.9 | 96.1 | 96.1 | 96.1 | 96.2 | 96.2 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| ≥ 8000 | 96.7 | 96.9 | 96.9 | 96.9 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| ≥ 7000 | 97.3 | 97.5 | 97.5 | 97.5 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| ≥ 6000 | 98.2 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥ 5000 | 98.8 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 4500 | 98.9 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 4000 | 99.1 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 3500 | 99.1 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 3000 | 99.1 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 2500 | 99.1 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 2000 | 99.1 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1800 | 99.1 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1500 | 99.1 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1200 | 99.1 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1000 | 99.1 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.1 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.1 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.1 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.1 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.1 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.1 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.1 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.1 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.1 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.1 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2337

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) SEP (MONTH)

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

0900-1100 (HOURS (LST))

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 85.6 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| ≥ 20000 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| ≥ 18000 | 88.6 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| ≥ 16000 | 89.4 | 89.5 | 89.5 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| ≥ 14000 | 91.3 | 91.4 | 91.4 | 91.4 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| ≥ 12000 | 94.3 | 94.5 | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| ≥ 10000 | 95.7 | 95.9 | 95.9 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| ≥ 9000 | 96.3 | 96.4 | 96.4 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| ≥ 8000 | 96.9 | 97.1 | 97.1 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| ≥ 7000 | 97.6 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| ≥ 6000 | 98.4 | 98.6 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥ 5000 | 98.6 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 4500 | 98.8 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 4000 | 99.2 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 3500 | 99.2 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 3000 | 99.2 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 2500 | 99.3 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 2000 | 99.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1800 | 99.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1500 | 99.4 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1200 | 99.4 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1000 | 99.5 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.5 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.5 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.5 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.5 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.5 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.5 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.5 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.5 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.5 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.5 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2336

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) SEP (MONTH)

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

1200-1400 (HOURS M S T)

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 85.9 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| ≥ 20000 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| ≥ 18000 | 89.9 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| ≥ 16000 | 90.9 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| ≥ 14000 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| ≥ 12000 | 93.7 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| ≥ 10000 | 95.5 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| ≥ 9000 | 95.8 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| ≥ 8000 | 96.7 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| ≥ 7000 | 97.0 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| ≥ 6000 | 98.5 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 5000 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥ 4500 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 4000 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 3500 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 3000 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 2500 | 99.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 2000 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1800 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1500 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1200 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1000 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 900 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2335

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) SEP (MONTH)

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

1500-1700 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 85.3 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| ≥ 20000 | 89.5 | 89.6 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| ≥ 18000 | 89.6 | 89.7 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 |
| ≥ 16000 | 90.3 | 90.4 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| ≥ 14000 | 91.7 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 |
| ≥ 12000 | 93.3 | 93.5 | 93.6 | 93.6 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| ≥ 10000 | 94.8 | 94.9 | 95.1 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| ≥ 9000 | 95.2 | 95.3 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| ≥ 8000 | 95.9 | 96.0 | 96.2 | 96.2 | 96.2 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| ≥ 7000 | 96.7 | 96.8 | 97.0 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| ≥ 6000 | 98.3 | 98.5 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥ 5000 | 98.7 | 98.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 4500 | 98.8 | 99.0 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 4000 | 99.0 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 3500 | 99.0 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 3000 | 99.2 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 2500 | 99.2 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 2000 | 99.2 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.2 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.2 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.2 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.2 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.2 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.2 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.2 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.2 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.2 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.2 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.2 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.2 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.2 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.2 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2336

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

22111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) SEP (MONTH)

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

1800-2000 (HOURS LST)

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 84.5 | 84.5 | 84.5 | 84.5 | 84.6 | 84.6 | 84.6 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| ≥ 20000 | 89.1 | 89.2 | 89.2 | 89.2 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 |
| ≥ 18000 | 89.5 | 89.6 | 89.6 | 89.7 | 89.7 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.9 | 89.9 | 89.9 | 89.9 |
| ≥ 16000 | 90.1 | 90.1 | 90.1 | 90.2 | 90.2 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.4 | 90.4 | 90.4 | 90.4 |
| ≥ 14000 | 91.6 | 91.9 | 92.0 | 92.1 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 |
| ≥ 12000 | 93.8 | 94.0 | 94.0 | 94.2 | 94.3 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| ≥ 10000 | 94.9 | 95.1 | 95.2 | 95.3 | 95.4 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.6 | 95.6 | 95.6 | 95.6 |
| ≥ 9000 | 95.4 | 95.5 | 95.6 | 95.8 | 95.9 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 |
| ≥ 8000 | 96.4 | 96.6 | 96.7 | 96.8 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| ≥ 7000 | 97.2 | 97.4 | 97.4 | 97.6 | 97.7 | 97.7 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| ≥ 6000 | 98.1 | 98.5 | 98.5 | 98.7 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 5000 | 98.4 | 98.7 | 98.8 | 99.0 | 99.1 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 4500 | 98.4 | 98.8 | 98.8 | 99.0 | 99.2 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 4000 | 98.5 | 98.8 | 98.9 | 99.1 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 3500 | 98.5 | 98.8 | 98.9 | 99.1 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 3000 | 98.6 | 99.0 | 99.1 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 2500 | 98.7 | 99.1 | 99.1 | 99.3 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 2000 | 98.7 | 99.1 | 99.1 | 99.3 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1800 | 98.7 | 99.1 | 99.1 | 99.3 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1500 | 98.7 | 99.1 | 99.1 | 99.3 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1200 | 98.7 | 99.1 | 99.1 | 99.3 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1000 | 98.7 | 99.1 | 99.1 | 99.3 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 900 | 98.7 | 99.1 | 99.1 | 99.3 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 800 | 98.7 | 99.1 | 99.1 | 99.3 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 700 | 98.7 | 99.1 | 99.2 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 600 | 98.7 | 99.1 | 99.2 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 500 | 98.7 | 99.1 | 99.2 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 400 | 98.7 | 99.1 | 99.2 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 300 | 98.7 | 99.1 | 99.2 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 200 | 98.7 | 99.1 | 99.2 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 98.7 | 99.1 | 99.2 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 98.7 | 99.1 | 99.2 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2335

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) SEP (MONTH)

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

2100-2300 (HOURS L S T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 86.4 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| ≥ 20000 | 89.2 | 89.4 | 89.4 | 89.4 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| ≥ 18000 | 89.4 | 89.6 | 89.6 | 89.6 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| ≥ 16000 | 89.8 | 90.0 | 90.0 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| ≥ 14000 | 91.8 | 92.0 | 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 | 92.1 |
| ≥ 12000 | 94.4 | 94.7 | 94.7 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| ≥ 10000 | 95.4 | 95.7 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| ≥ 9000 | 96.1 | 96.4 | 96.5 | 96.5 | 96.6 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| ≥ 8000 | 97.2 | 97.4 | 97.6 | 97.6 | 97.7 | 97.7 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| ≥ 7000 | 97.6 | 97.8 | 97.9 | 98.0 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 6000 | 98.2 | 98.5 | 98.7 | 98.8 | 98.9 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 5000 | 98.6 | 98.9 | 99.1 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 4500 | 98.7 | 99.0 | 99.2 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 4000 | 98.8 | 99.1 | 99.3 | 99.4 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 3500 | 98.8 | 99.1 | 99.4 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 3000 | 98.8 | 99.1 | 99.4 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 2500 | 98.8 | 99.1 | 99.4 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 2000 | 99.0 | 99.4 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.0 | 99.4 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.0 | 99.4 | 99.6 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.0 | 99.4 | 99.6 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.0 | 99.4 | 99.6 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.0 | 99.4 | 99.6 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.0 | 99.4 | 99.6 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.0 | 99.4 | 99.6 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.0 | 99.4 | 99.6 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.0 | 99.4 | 99.6 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.0 | 99.4 | 99.6 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.0 | 99.4 | 99.6 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.0 | 99.4 | 99.6 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.0 | 99.4 | 99.6 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0 | 99.0 | 99.4 | 99.6 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2338

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) OCT (MONTH)

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

0000-0200 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅜ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 88.5 | 88.5 | 88.5 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 |
| ≥ 20000 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| ≥ 18000 | 91.8 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| ≥ 16000 | 92.1 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| ≥ 14000 | 93.4 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 |
| ≥ 12000 | 95.1 | 95.1 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| ≥ 10000 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| ≥ 9000 | 96.4 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| ≥ 8000 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| ≥ 7000 | 97.5 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| ≥ 6000 | 98.3 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥ 5000 | 99.2 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 4500 | 99.3 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 4000 | 99.5 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 3500 | 99.5 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3000 | 99.5 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2500 | 99.5 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2000 | 99.5 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.5 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.5 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.5 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.5 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.5 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.5 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.5 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.5 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.5 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.5 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.5 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.5 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.5 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.5 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2415

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

22111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | OCT MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 |
| ≥ 20000 | 91.6 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| ≥ 18000 | 92.1 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| ≥ 16000 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| ≥ 14000 | 93.4 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 |
| ≥ 12000 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| ≥ 10000 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| ≥ 9000 | 96.1 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| > 8000 | 96.4 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| ≥ 7000 | 96.7 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| ≥ 6000 | 97.9 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥ 5000 | 98.6 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 4500 | 98.8 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 4000 | 99.0 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 3500 | 99.0 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 3000 | 99.0 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2500 | 99.0 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2000 | 99.1 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.1 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.1 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.1 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.1 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.1 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.1 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.1 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.1 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.1 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.1 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.1 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.1 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.1 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.1 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2413

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

22111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) OCT (MONTH)

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

0600-0800 HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 81.9 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| ≥ 20000 | 86.7 | 86.7 | 86.7 | 86.7 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 |
| ≥ 18000 | 86.9 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| ≥ 16000 | 87.8 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| ≥ 14000 | 90.1 | 90.1 | 90.1 | 90.1 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| ≥ 12000 | 92.1 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| ≥ 10000 | 93.9 | 94.0 | 94.0 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| ≥ 9000 | 94.3 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| ≥ 8000 | 95.2 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| ≥ 7000 | 95.9 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| ≥ 6000 | 97.5 | 97.9 | 97.9 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| ≥ 5000 | 98.3 | 98.8 | 98.8 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 4500 | 98.4 | 98.9 | 98.9 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 4000 | 98.7 | 99.3 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 3500 | 98.8 | 99.3 | 99.3 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 3000 | 98.8 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 2500 | 98.8 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 2000 | 98.9 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1800 | 98.9 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1500 | 98.9 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1200 | 98.9 | 99.5 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1000 | 98.9 | 99.5 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 900 | 98.9 | 99.5 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 800 | 98.9 | 99.5 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 700 | 98.9 | 99.5 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 600 | 98.9 | 99.5 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 500 | 98.9 | 99.5 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 400 | 98.9 | 99.5 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 300 | 98.9 | 99.5 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 200 | 98.9 | 99.5 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 100 | 98.9 | 99.5 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 0 | 98.9 | 99.5 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2414

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | OCT MONTH

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

0900-1100 HOURS (LST)

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 80.6 | 81.1 | 81.2 | 81.3 | 81.4 | 81.4 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| ≥ 20000 | 87.0 | 87.5 | 87.6 | 87.7 | 87.8 | 87.8 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| ≥ 18000 | 87.4 | 87.9 | 88.0 | 88.1 | 88.2 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| ≥ 16000 | 88.1 | 88.6 | 88.7 | 88.8 | 88.9 | 88.9 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| ≥ 14000 | 90.2 | 90.7 | 90.8 | 90.9 | 91.0 | 91.0 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| ≥ 12000 | 91.8 | 92.3 | 92.4 | 92.5 | 92.6 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| ≥ 10000 | 93.3 | 93.8 | 93.9 | 94.0 | 94.1 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| ≥ 9000 | 93.8 | 94.3 | 94.4 | 94.5 | 94.6 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| ≥ 8000 | 95.1 | 95.6 | 95.7 | 95.8 | 95.9 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| ≥ 7000 | 95.7 | 96.4 | 96.4 | 96.6 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| ≥ 6000 | 96.8 | 97.4 | 97.5 | 97.6 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| ≥ 5000 | 97.5 | 98.2 | 98.3 | 98.5 | 98.6 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥ 4500 | 97.5 | 98.2 | 98.4 | 98.5 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥ 4000 | 97.9 | 98.7 | 98.8 | 99.0 | 99.1 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 3500 | 97.9 | 98.7 | 98.8 | 99.0 | 99.1 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 3000 | 98.1 | 98.8 | 99.0 | 99.1 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 2500 | 98.1 | 98.9 | 99.0 | 99.2 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 2000 | 98.3 | 99.0 | 99.2 | 99.3 | 99.5 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1800 | 98.3 | 99.1 | 99.3 | 99.4 | 99.5 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1500 | 98.3 | 99.1 | 99.3 | 99.4 | 99.5 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1200 | 98.3 | 99.1 | 99.3 | 99.5 | 99.6 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 98.3 | 99.1 | 99.3 | 99.5 | 99.6 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 98.3 | 99.1 | 99.3 | 99.5 | 99.6 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 98.3 | 99.1 | 99.3 | 99.5 | 99.6 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 98.3 | 99.1 | 99.3 | 99.5 | 99.6 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 98.3 | 99.1 | 99.3 | 99.5 | 99.6 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 98.3 | 99.1 | 99.3 | 99.5 | 99.6 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 98.3 | 99.1 | 99.3 | 99.5 | 99.6 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 98.3 | 99.1 | 99.3 | 99.5 | 99.6 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 98.3 | 99.1 | 99.3 | 99.5 | 99.6 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 98.3 | 99.1 | 99.3 | 99.5 | 99.6 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 98.3 | 99.1 | 99.3 | 99.5 | 99.6 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2412

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) OCT (MONTH)

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

1200-1400 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥⅛ | ≥0 |
| NO CEILING | 81.7 | 82.1 | 82.2 | 82.2 | 82.2 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| ≥ 20000 | 88.9 | 89.4 | 89.5 | 89.6 | 89.6 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| ≥ 18000 | 89.9 | 90.4 | 90.5 | 90.6 | 90.6 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| ≥ 16000 | 90.8 | 91.3 | 91.4 | 91.5 | 91.5 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| ≥ 14000 | 91.9 | 92.5 | 92.6 | 92.7 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.6 |
| ≥ 12000 | 93.2 | 93.9 | 93.9 | 94.0 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| ≥ 10000 | 93.9 | 94.5 | 94.6 | 94.7 | 94.7 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| ≥ 9000 | 94.1 | 94.7 | 94.8 | 94.9 | 94.9 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| ≥ 8000 | 95.4 | 96.1 | 96.1 | 96.2 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| ≥ 7000 | 95.8 | 96.5 | 96.6 | 96.6 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| ≥ 6000 | 97.0 | 97.7 | 97.8 | 97.9 | 97.9 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| ≥ 5000 | 97.8 | 98.5 | 98.6 | 98.7 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 4500 | 98.0 | 98.7 | 98.8 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 4000 | 98.3 | 99.0 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 3500 | 98.3 | 99.0 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 3000 | 98.4 | 99.2 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 2500 | 98.4 | 99.2 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 2000 | 98.5 | 99.2 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 1800 | 98.6 | 99.4 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1500 | 98.6 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1200 | 98.6 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1000 | 98.8 | 99.5 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 98.8 | 99.5 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 98.8 | 99.5 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 98.8 | 99.5 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 98.8 | 99.5 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 98.8 | 99.5 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 98.8 | 99.5 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 98.8 | 99.5 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 98.8 | 99.5 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 98.8 | 99.5 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 98.8 | 99.5 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2411

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

28111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) OCT (MONTH)

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

1500-1700 (HOURS L.S.)

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1¾ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 81.2 | 81.4 | 81.5 | 81.5 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| ≤ 20000 | 90.0 | 90.2 | 90.3 | 90.4 | 90.4 | 90.4 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| ≥ 18000 | 90.6 | 90.8 | 90.9 | 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 |
| ≥ 16000 | 91.0 | 91.3 | 91.4 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| ≥ 14000 | 92.6 | 92.9 | 93.0 | 93.1 | 93.1 | 93.1 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| ≥ 12000 | 94.0 | 94.4 | 94.5 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| ≥ 10000 | 95.0 | 95.4 | 95.4 | 95.5 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| ≥ 9000 | 95.4 | 95.7 | 95.8 | 95.9 | 95.9 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| > 8000 | 96.2 | 96.6 | 96.7 | 96.8 | 96.8 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| ≥ 7000 | 96.8 | 97.2 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| ≤ 6700 | 97.6 | 98.1 | 98.2 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 5000 | 98.2 | 98.7 | 98.8 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 4500 | 98.5 | 99.0 | 99.0 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 4050 | 98.7 | 99.2 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≤ 3500 | 98.7 | 99.2 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 3000 | 98.8 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≤ 500 | 98.8 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 2000 | 98.9 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≤ 1800 | 99.0 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1500 | 99.0 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.0 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.1 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.1 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.1 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≤ 700 | 99.1 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.1 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≤ 500 | 99.1 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.1 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≤ 300 | 99.1 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.1 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.1 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.1 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2414

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 47-46,51-71 (YEARS) OCT (MONTH)

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

1800-2000 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 83.4 | 83.5 | 83.6 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| ≥ 20000 | 89.7 | 90.0 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| ≥ 18000 | 90.5 | 90.8 | 90.9 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| ≥ 16000 | 91.1 | 91.3 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| ≥ 14000 | 92.4 | 92.6 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| ≥ 12000 | 94.4 | 94.6 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| ≥ 10000 | 95.0 | 95.2 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| ≥ 9000 | 95.1 | 95.3 | 95.4 | 95.5 | 95.5 | 95.5 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| ≥ 8000 | 96.3 | 96.6 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| ≥ 7000 | 97.1 | 97.6 | 97.7 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| ≤ 6000 | 97.7 | 98.1 | 98.3 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 5000 | 98.6 | 99.0 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 4500 | 98.6 | 99.0 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 4000 | 98.8 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 3500 | 98.9 | 99.3 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 3000 | 99.1 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≤ 2500 | 99.1 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 2000 | 99.1 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≤ 1800 | 99.1 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1500 | 99.1 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.1 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.2 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.2 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.2 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.2 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.2 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≤ 500 | 99.2 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| - 400 | 99.2 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.2 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.2 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.2 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.2 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2413

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) OCT (MONTH)

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

2100-2300 HOURS (LST)

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 88.2 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| ≥ 20000 | 91.6 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| ≥ 18000 | 92.5 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| ≥ 16000 | 92.6 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| ≥ 14000 | 93.6 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| ≥ 12000 | 95.9 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| ≥ 10000 | 96.6 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| ≥ 9000 | 96.8 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| ≥ 8000 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| ≥ 7000 | 97.7 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| ≥ 6000 | 98.3 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥ 5000 | 98.8 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 4500 | 98.9 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 4000 | 99.0 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 3500 | 99.2 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 3000 | 99.3 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2500 | 99.3 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2000 | 99.3 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.3 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.3 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.3 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.3 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.3 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.3 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.3 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.3 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.3 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.3 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.3 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.3 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.3 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.3 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2417

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46, 91-71 (YEARS) NOV (MONTH)

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

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

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | <5/16 | ≥0 |
| NO CEILING | 84.4 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 |
| ≥ 20000 | 88.4 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 |
| ≥ 18000 | 89.1 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| ≥ 16000 | 89.8 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| ≥ 14000 | 91.8 | 91.9 | 91.9 | 92.0 | 92.0 | 92.0 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 |
| ≥ 12000 | 93.2 | 93.8 | 93.8 | 93.9 | 93.9 | 93.9 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| ≥ 10000 | 94.1 | 94.9 | 94.9 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| ≥ 9000 | 94.3 | 95.2 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| ≥ 8000 | 95.3 | 96.2 | 96.2 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| ≥ 7000 | 95.8 | 96.8 | 96.9 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| ≥ 6000 | 96.2 | 97.3 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| ≥ 5000 | 97.3 | 98.5 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥ 4500 | 97.3 | 98.6 | 98.6 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 4000 | 97.6 | 99.0 | 99.0 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 3500 | 97.6 | 99.0 | 99.0 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 3000 | 97.9 | 99.2 | 99.3 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 2500 | 98.1 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 2000 | 98.1 | 99.5 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1800 | 98.1 | 99.5 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1500 | 98.1 | 99.5 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1200 | 98.1 | 99.5 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 98.1 | 99.5 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 98.1 | 99.5 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 98.1 | 99.5 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 98.1 | 99.5 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 98.1 | 99.5 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 98.1 | 99.5 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 98.1 | 99.5 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 98.1 | 99.5 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 98.1 | 99.5 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 98.1 | 99.5 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 98.1 | 99.5 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2093

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

22111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) NOV (MONTH)

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

0200-0500 (HOURS IST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 83.7 | 84.2 | 84.3 | 84.3 | 84.3 | 84.3 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| ≥ 20000 | 88.4 | 88.9 | 89.0 | 89.0 | 89.0 | 89.0 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| ≥ 18000 | 88.8 | 89.4 | 89.4 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| ≥ 16000 | 89.6 | 90.1 | 90.3 | 90.3 | 90.3 | 90.3 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| ≥ 14000 | 90.6 | 91.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| ≥ 12000 | 92.6 | 93.3 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 |
| ≥ 10000 | 93.7 | 94.5 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| ≥ 9000 | 94.2 | 95.2 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| ≥ 8000 | 95.0 | 95.9 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| ≥ 7000 | 95.8 | 96.7 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| ≥ 6000 | 96.4 | 97.5 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| ≥ 5000 | 97.5 | 98.6 | 98.7 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 4500 | 97.6 | 98.8 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 4000 | 98.0 | 99.2 | 99.3 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 3500 | 98.0 | 99.2 | 99.3 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 3000 | 98.2 | 99.4 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 2500 | 98.2 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 2000 | 98.2 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1800 | 98.2 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1500 | 98.2 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1200 | 98.2 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1000 | 98.2 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 900 | 98.2 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 800 | 98.2 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 700 | 98.2 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 600 | 98.2 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 500 | 98.2 | 99.5 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 98.2 | 99.5 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 98.2 | 99.5 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 98.2 | 99.5 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 98.2 | 99.5 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 98.2 | 99.5 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2292

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 42-46,51-71 NOV
STATION STATION NAME YEARS MONTH

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

0600-0800
HOURS (LST)

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 78.6 | 79.2 | 79.2 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 |
| ≥ 20000 | 84.8 | 85.3 | 85.6 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| ≥ 18000 | 85.7 | 86.4 | 86.5 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| ≥ 16000 | 86.4 | 87.0 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| ≥ 14000 | 87.8 | 88.4 | 88.6 | 88.6 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| ≥ 12000 | 90.4 | 91.0 | 91.2 | 91.3 | 91.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| ≥ 10000 | 92.1 | 92.8 | 93.0 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| ≥ 9000 | 92.6 | 93.4 | 93.6 | 93.6 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| ≥ 8000 | 93.2 | 94.0 | 94.2 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| ≥ 7000 | 94.3 | 95.2 | 95.3 | 95.4 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| ≥ 6000 | 95.6 | 96.6 | 96.8 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| ≥ 5000 | 96.8 | 97.7 | 97.9 | 98.0 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 4500 | 97.1 | 98.0 | 98.3 | 98.3 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 4000 | 97.5 | 98.4 | 98.7 | 98.7 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 3500 | 97.6 | 98.6 | 98.9 | 98.9 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 3000 | 97.9 | 98.9 | 99.2 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 2500 | 98.1 | 99.1 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 2000 | 98.2 | 99.3 | 99.6 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1800 | 98.2 | 99.3 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 98.2 | 99.3 | 99.6 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 98.2 | 99.3 | 99.6 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 98.2 | 99.3 | 99.6 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 98.2 | 99.3 | 99.6 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 98.2 | 99.3 | 99.6 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 98.2 | 99.3 | 99.6 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 98.2 | 99.3 | 99.6 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 98.2 | 99.3 | 99.6 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 98.2 | 99.3 | 99.6 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 98.2 | 99.3 | 99.6 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 98.2 | 99.3 | 99.6 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 98.2 | 99.3 | 99.6 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 98.2 | 99.3 | 99.6 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2290

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100 (HOURS L ST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 75.3 | 76.2 | 76.2 | 76.2 | 76.3 | 76.3 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 |
| ≥ 20000 | 83.5 | 84.3 | 84.4 | 84.4 | 84.4 | 84.4 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| ≥ 18000 | 84.7 | 85.6 | 85.6 | 85.6 | 85.7 | 85.7 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 |
| ≥ 16000 | 85.6 | 86.5 | 86.5 | 86.5 | 86.6 | 86.6 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| ≥ 14000 | 87.4 | 88.4 | 88.4 | 88.5 | 88.5 | 88.5 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| ≥ 12000 | 89.2 | 90.2 | 90.2 | 90.3 | 90.4 | 90.4 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| ≥ 10000 | 91.1 | 92.2 | 92.3 | 92.3 | 92.4 | 92.4 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| ≥ 9000 | 91.5 | 92.7 | 92.7 | 92.8 | 92.8 | 92.8 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| ≥ 8000 | 92.5 | 93.7 | 93.8 | 93.8 | 93.9 | 93.9 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| ≥ 7000 | 93.4 | 94.5 | 94.6 | 94.7 | 94.8 | 94.8 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| ≥ 6000 | 94.3 | 95.5 | 95.6 | 95.6 | 95.8 | 95.8 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| ≥ 5000 | 95.2 | 96.4 | 96.5 | 96.6 | 96.7 | 96.8 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| ≥ 4500 | 95.5 | 96.8 | 96.9 | 97.0 | 97.1 | 97.2 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| ≥ 4000 | 96.0 | 97.3 | 97.4 | 97.5 | 97.6 | 97.7 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| ≥ 3500 | 96.1 | 97.3 | 97.6 | 97.7 | 97.8 | 97.9 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| ≥ 3000 | 96.6 | 98.1 | 98.2 | 98.4 | 98.5 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥ 2500 | 97.0 | 98.5 | 98.7 | 98.9 | 99.0 | 99.0 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 2000 | 97.2 | 98.8 | 99.0 | 99.3 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1800 | 97.2 | 98.8 | 99.0 | 99.3 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1500 | 97.2 | 98.8 | 99.0 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1200 | 97.2 | 98.8 | 99.0 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1000 | 97.2 | 98.8 | 99.1 | 99.3 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 900 | 97.2 | 98.9 | 99.1 | 99.4 | 99.6 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 97.2 | 98.9 | 99.1 | 99.4 | 99.6 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 97.2 | 98.9 | 99.1 | 99.4 | 99.6 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 97.2 | 98.9 | 99.1 | 99.4 | 99.6 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 97.3 | 98.9 | 99.2 | 99.4 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 97.3 | 98.9 | 99.2 | 99.4 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 97.3 | 98.9 | 99.2 | 99.4 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 97.3 | 98.9 | 99.2 | 99.4 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 97.3 | 98.9 | 99.2 | 99.4 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 97.3 | 98.9 | 99.2 | 99.4 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2292

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

22111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) NOV (MONTH)

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

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

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 75.7 | 76.3 | 76.3 | 76.4 | 76.4 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| ≥ 20000 | 84.0 | 84.6 | 84.7 | 84.7 | 84.9 | 85.0 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| ≥ 18000 | 85.2 | 85.9 | 86.1 | 86.1 | 86.3 | 86.4 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| ≥ 16000 | 86.3 | 86.9 | 87.2 | 87.2 | 87.4 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 |
| ≥ 14000 | 88.2 | 88.9 | 89.1 | 89.2 | 89.3 | 89.4 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| ≥ 12000 | 89.2 | 89.9 | 90.2 | 90.2 | 90.4 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| ≥ 10000 | 91.4 | 92.2 | 92.4 | 92.5 | 92.7 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| ≥ 9000 | 91.8 | 92.6 | 92.8 | 92.9 | 93.1 | 93.1 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| ≥ 8000 | 92.7 | 93.6 | 93.8 | 93.9 | 94.1 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| ≥ 7000 | 93.5 | 94.3 | 94.5 | 94.6 | 94.8 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| ≥ 6000 | 94.8 | 95.7 | 95.9 | 96.0 | 96.2 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| ≥ 5000 | 95.8 | 96.7 | 97.0 | 97.1 | 97.2 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| ≥ 4500 | 96.2 | 97.1 | 97.4 | 97.5 | 97.6 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| ≥ 4000 | 96.7 | 97.6 | 97.9 | 98.0 | 98.2 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 3500 | 96.8 | 97.7 | 98.0 | 98.1 | 98.3 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 3000 | 97.2 | 98.1 | 98.5 | 98.6 | 98.8 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 2500 | 97.2 | 98.2 | 98.6 | 98.6 | 98.9 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 2000 | 97.4 | 98.6 | 98.9 | 99.0 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1800 | 97.5 | 98.6 | 99.0 | 99.0 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1500 | 97.5 | 98.6 | 99.0 | 99.1 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1200 | 97.5 | 98.6 | 99.0 | 99.1 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1000 | 97.5 | 98.6 | 99.0 | 99.1 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 900 | 97.5 | 98.6 | 99.0 | 99.1 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 800 | 97.5 | 98.7 | 99.0 | 99.1 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 700 | 97.5 | 98.7 | 99.0 | 99.1 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 600 | 97.6 | 98.7 | 99.1 | 99.2 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 97.6 | 98.7 | 99.1 | 99.2 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 97.6 | 98.7 | 99.1 | 99.2 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 97.6 | 98.7 | 99.1 | 99.2 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 97.6 | 98.7 | 99.1 | 99.2 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 97.6 | 98.7 | 99.1 | 99.2 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 97.6 | 98.7 | 99.1 | 99.2 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2288

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) NOV (MONTH)

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

1500-1700 (HOURS (LST))

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 75.1 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| ≥ 20000 | 85.2 | 85.8 | 85.9 | 85.9 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| ≥ 18000 | 86.0 | 86.6 | 86.7 | 86.7 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 |
| ≥ 16000 | 87.2 | 87.9 | 88.0 | 88.1 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| ≥ 14000 | 89.0 | 89.7 | 89.9 | 89.9 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| ≥ 12000 | 89.9 | 90.8 | 90.9 | 91.0 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| ≥ 10000 | 92.4 | 93.3 | 93.5 | 93.5 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| ≥ 9000 | 92.9 | 93.7 | 93.9 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| ≥ 8000 | 93.8 | 94.7 | 94.9 | 95.0 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| ≥ 7000 | 94.7 | 95.5 | 95.8 | 95.8 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| ≥ 6000 | 95.8 | 96.7 | 96.9 | 97.0 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| ≥ 5000 | 97.0 | 97.9 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 4500 | 97.1 | 98.0 | 98.2 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥ 4000 | 97.4 | 98.3 | 98.6 | 98.6 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 |
| ≥ 3500 | 97.5 | 98.5 | 98.7 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 3000 | 97.8 | 98.7 | 99.0 | 99.0 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 |
| ≥ 2500 | 97.8 | 98.8 | 99.0 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 2000 | 98.1 | 99.1 | 99.3 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 1800 | 98.1 | 99.1 | 99.3 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 1500 | 98.1 | 99.1 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1200 | 98.1 | 99.1 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1000 | 98.2 | 99.2 | 99.4 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 |
| ≥ 900 | 98.2 | 99.2 | 99.4 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 800 | 98.2 | 99.2 | 99.4 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 700 | 98.2 | 99.2 | 99.4 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 600 | 98.2 | 99.2 | 99.4 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 98.2 | 99.2 | 99.4 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 98.2 | 99.2 | 99.4 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 98.2 | 99.2 | 99.4 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 98.2 | 99.2 | 99.4 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 98.2 | 99.2 | 99.4 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 98.2 | 99.2 | 99.4 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2285

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 79.4 | 79.6 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 |
| ≥ 20000 | 86.2 | 86.4 | 86.5 | 86.5 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| ≥ 18000 | 87.2 | 87.4 | 87.4 | 87.4 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 |
| ≥ 16000 | 88.1 | 88.3 | 88.4 | 88.4 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| ≥ 14000 | 89.9 | 90.3 | 90.4 | 90.4 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| ≥ 12000 | 91.6 | 92.1 | 92.2 | 92.2 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| ≥ 10000 | 93.1 | 93.6 | 93.7 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| ≥ 9000 | 93.7 | 94.2 | 94.3 | 94.3 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| ≥ 8000 | 94.8 | 95.3 | 95.4 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| ≥ 7000 | 95.5 | 96.0 | 96.1 | 96.2 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| ≥ 6000 | 96.8 | 97.3 | 97.4 | 97.5 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| ≥ 5000 | 97.5 | 98.0 | 98.1 | 98.2 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 4500 | 97.7 | 98.2 | 98.3 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥ 4000 | 98.2 | 98.7 | 98.8 | 98.9 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 3500 | 98.3 | 98.8 | 98.9 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 3000 | 98.4 | 99.0 | 99.0 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 2500 | 98.4 | 99.0 | 99.0 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 2000 | 98.5 | 99.1 | 99.3 | 99.3 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 1800 | 98.6 | 99.1 | 99.3 | 99.3 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 1500 | 98.6 | 99.2 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1200 | 98.6 | 99.2 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1000 | 98.6 | 99.2 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 900 | 98.6 | 99.2 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 800 | 98.6 | 99.2 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 700 | 98.6 | 99.2 | 99.4 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 600 | 98.6 | 99.2 | 99.4 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 500 | 98.6 | 99.2 | 99.4 | 99.5 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 98.6 | 99.2 | 99.4 | 99.5 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 98.6 | 99.2 | 99.4 | 99.5 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 98.6 | 99.2 | 99.4 | 99.5 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 98.6 | 99.2 | 99.4 | 99.5 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 98.6 | 99.2 | 99.4 | 99.5 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2290

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

22111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) NOV (MONTH)

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

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

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 83.7 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 |
| ≥ 20000 | 89.2 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| ≥ 18000 | 89.7 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| ≥ 16000 | 90.0 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| ≥ 14000 | 91.8 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| ≥ 12000 | 93.2 | 93.8 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| ≥ 10000 | 94.1 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| ≥ 9000 | 94.5 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| ≥ 8000 | 95.2 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| ≥ 7000 | 96.0 | 96.8 | 97.0 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| ≥ 6000 | 97.0 | 97.9 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 5000 | 97.8 | 98.7 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 4500 | 97.8 | 98.7 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 4000 | 97.9 | 99.0 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 3500 | 98.1 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 3000 | 98.2 | 99.2 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 2500 | 98.2 | 99.3 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 2000 | 98.4 | 99.4 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1800 | 98.4 | 99.4 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1500 | 98.4 | 99.4 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1200 | 98.4 | 99.4 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1000 | 98.4 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 900 | 98.4 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 800 | 98.4 | 99.5 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 700 | 98.4 | 99.5 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 600 | 98.4 | 99.5 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 98.4 | 99.5 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 98.4 | 99.5 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 98.4 | 99.5 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 98.4 | 99.5 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 98.4 | 99.5 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 98.4 | 99.5 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2291

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 41-45,51-71 (YEARS) DEC (MONTH)

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

0000-0200 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 76.9 | 79.2 | 78.2 | 78.4 | 78.4 | 78.4 | 78.4 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 |
| ≥ 20000 | 82.8 | 84.2 | 84.2 | 84.3 | 84.3 | 84.5 | 84.5 | 84.5 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.7 | 84.7 |
| ≥ 18000 | 83.4 | 84.8 | 84.8 | 85.1 | 85.1 | 85.1 | 85.1 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| ≥ 16000 | 84.1 | 85.5 | 85.5 | 85.8 | 85.8 | 85.8 | 85.8 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| ≥ 14000 | 85.2 | 86.6 | 86.6 | 86.9 | 86.9 | 86.9 | 86.9 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.1 | 87.1 | 87.1 | 87.1 |
| ≥ 12000 | 87.7 | 89.0 | 89.1 | 89.3 | 89.3 | 89.3 | 89.3 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| ≥ 10000 | 89.3 | 90.7 | 90.7 | 90.9 | 90.9 | 90.9 | 90.9 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 |
| ≥ 9000 | 90.0 | 91.4 | 91.4 | 91.6 | 91.6 | 91.6 | 91.6 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.9 | 91.9 | 91.9 | 91.9 |
| ≥ 8000 | 90.8 | 92.1 | 92.2 | 92.4 | 92.4 | 92.4 | 92.4 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| ≥ 7000 | 92.5 | 93.9 | 94.0 | 94.2 | 94.2 | 94.2 | 94.2 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| ≥ 6000 | 93.9 | 95.2 | 95.3 | 95.6 | 95.6 | 95.6 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 |
| ≥ 5000 | 94.9 | 96.4 | 96.5 | 96.7 | 96.7 | 96.7 | 96.7 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 |
| ≥ 4500 | 95.3 | 96.8 | 96.9 | 97.1 | 97.1 | 97.1 | 97.1 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 |
| ≥ 4000 | 95.6 | 97.2 | 97.3 | 97.5 | 97.5 | 97.5 | 97.5 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 |
| ≥ 3500 | 95.9 | 97.5 | 97.5 | 97.8 | 97.8 | 97.8 | 97.8 | 98.0 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| ≥ 3000 | 96.2 | 97.9 | 98.1 | 98.4 | 98.4 | 98.4 | 98.4 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥ 2500 | 96.3 | 98.0 | 98.3 | 98.7 | 98.7 | 98.7 | 98.7 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 2000 | 96.6 | 98.4 | 98.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 1800 | 96.6 | 98.5 | 98.8 | 99.1 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 1500 | 96.6 | 98.5 | 98.9 | 99.2 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 1200 | 96.6 | 98.5 | 98.9 | 99.2 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 1000 | 96.7 | 98.6 | 99.0 | 99.3 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 900 | 96.8 | 98.7 | 99.0 | 99.3 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 300 | 96.8 | 98.7 | 99.0 | 99.3 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 700 | 96.8 | 98.7 | 99.0 | 99.3 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 600 | 96.8 | 98.7 | 99.0 | 99.3 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 500 | 96.8 | 98.8 | 99.1 | 99.4 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 400 | 96.8 | 98.8 | 99.1 | 99.5 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 96.8 | 98.8 | 99.1 | 99.5 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 96.8 | 98.8 | 99.1 | 99.5 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 96.8 | 98.8 | 99.1 | 99.5 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 96.8 | 98.8 | 99.1 | 99.5 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2407

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 41-45,51-71 (YEARS) DEC (MONTH)

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

0300-0500 (HOURS (LST))

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1¾ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 78.0 | 78.8 | 79.0 | 79.1 | 79.2 | 79.2 | 79.3 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.5 | 79.5 | 79.6 | 79.6 |
| ≥ 20000 | 82.6 | 83.8 | 84.0 | 84.1 | 84.2 | 84.2 | 84.3 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.5 | 84.5 | 84.5 | 84.6 |
| ≥ 18000 | 83.0 | 84.2 | 84.4 | 84.5 | 84.5 | 84.6 | 84.7 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.9 | 84.9 | 84.9 | 84.9 |
| ≥ 16000 | 83.6 | 84.8 | 84.9 | 85.1 | 85.1 | 85.2 | 85.3 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.5 | 85.5 |
| ≥ 14000 | 84.7 | 85.9 | 86.1 | 86.2 | 86.3 | 86.3 | 86.4 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.6 | 86.6 | 86.6 | 86.7 |
| ≥ 12000 | 87.1 | 88.3 | 88.5 | 88.6 | 88.7 | 88.7 | 88.8 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 89.0 | 89.0 | 89.1 | 89.1 |
| ≥ 10000 | 88.6 | 89.8 | 90.0 | 90.1 | 90.2 | 90.2 | 90.3 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.5 | 90.5 | 90.5 | 90.6 |
| ≥ 9000 | 89.6 | 90.8 | 91.0 | 91.1 | 91.1 | 91.2 | 91.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.5 | 91.5 | 91.5 | 91.5 |
| ≥ 8000 | 90.8 | 91.7 | 91.9 | 92.0 | 92.1 | 92.1 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.4 | 92.4 | 92.5 | 92.5 |
| ≥ 7000 | 92.2 | 93.5 | 93.7 | 93.8 | 93.8 | 93.9 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 |
| ≥ 6000 | 93.4 | 94.7 | 94.9 | 95.0 | 95.1 | 95.1 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.5 |
| ≥ 5000 | 94.4 | 95.8 | 95.9 | 96.1 | 96.1 | 96.1 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.5 | 96.5 |
| ≥ 4500 | 94.5 | 95.9 | 96.1 | 96.2 | 96.3 | 96.3 | 96.4 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.6 | 96.6 | 96.6 | 96.7 |
| ≥ 4000 | 94.9 | 96.4 | 96.6 | 96.8 | 96.8 | 96.9 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.3 |
| ≥ 3500 | 95.1 | 96.8 | 97.1 | 97.3 | 97.3 | 97.3 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 |
| ≥ 3000 | 95.4 | 97.3 | 97.8 | 98.0 | 98.1 | 98.1 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.5 |
| ≥ 2500 | 95.6 | 97.6 | 98.2 | 98.4 | 98.4 | 98.5 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥ 2000 | 95.9 | 98.0 | 98.5 | 98.7 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 |
| ≥ 1800 | 95.9 | 98.1 | 98.6 | 98.8 | 98.9 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 |
| ≥ 1500 | 95.9 | 98.1 | 98.6 | 98.8 | 98.9 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 1200 | 95.9 | 98.2 | 98.9 | 99.1 | 99.2 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 |
| ≥ 1000 | 95.9 | 98.2 | 98.9 | 99.1 | 99.2 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 |
| ≥ 900 | 95.9 | 98.2 | 98.9 | 99.1 | 99.2 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 |
| ≥ 800 | 95.9 | 98.2 | 98.9 | 99.1 | 99.2 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 |
| ≥ 700 | 95.9 | 98.2 | 98.9 | 99.1 | 99.2 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 |
| ≥ 600 | 95.9 | 98.2 | 98.9 | 99.1 | 99.2 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 |
| ≥ 500 | 95.9 | 98.3 | 98.9 | 99.1 | 99.3 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 |
| ≥ 400 | 95.9 | 98.3 | 99.0 | 99.2 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 300 | 95.9 | 98.3 | 99.0 | 99.2 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 200 | 95.9 | 98.3 | 99.0 | 99.2 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 |
| ≥ 100 | 95.9 | 98.3 | 99.0 | 99.2 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 |
| ≥ 0 | 95.9 | 98.3 | 99.0 | 99.2 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2411

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 41-45,51-71 (YEARS) DEC (MONTH)

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

0600-0800 HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1 ¾ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥0 | |
| NO CEILING | 73.1 | 74.1 | 74.2 | 74.3 | 74.3 | 74.3 | 74.4 | 74.4 | 74.4 | 74.4 | 74.5 | 74.5 | 74.6 | 74.6 | 74.6 | 74.7 |
| ≥ 20000 | 78.2 | 80.2 | 80.4 | 80.5 | 80.5 | 80.6 | 80.7 | 80.7 | 80.7 | 80.7 | 80.8 | 80.8 | 80.9 | 80.9 | 80.9 | 81.0 |
| ≥ 18000 | 79.8 | 80.9 | 81.1 | 81.2 | 81.2 | 81.3 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.6 | 81.6 | 81.6 | 81.6 |
| ≥ 16000 | 80.4 | 81.4 | 81.6 | 81.7 | 81.7 | 81.8 | 81.9 | 81.9 | 81.9 | 81.9 | 82.0 | 82.0 | 82.1 | 82.1 | 82.1 | 82.2 |
| ≥ 14000 | 82.0 | 83.1 | 83.2 | 83.3 | 83.3 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.6 | 83.6 | 83.7 | 83.8 | 83.8 | 83.8 |
| ≥ 12000 | 84.5 | 85.7 | 85.9 | 86.0 | 86.0 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.4 | 86.4 | 86.4 | 86.4 |
| ≥ 10000 | 86.0 | 87.1 | 87.3 | 87.4 | 87.4 | 87.5 | 87.6 | 87.6 | 87.6 | 87.6 | 87.7 | 87.7 | 87.8 | 87.8 | 87.8 | 87.9 |
| ≥ 9000 | 86.7 | 87.9 | 88.0 | 88.1 | 88.1 | 88.3 | 88.3 | 88.3 | 88.3 | 88.4 | 88.4 | 88.4 | 88.5 | 88.6 | 88.6 | 88.6 |
| ≥ 8000 | 88.1 | 89.3 | 89.5 | 89.6 | 89.6 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 90.0 | 90.0 | 90.0 | 90.1 |
| ≥ 7000 | 89.6 | 90.8 | 91.0 | 91.2 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.4 | 91.4 | 91.4 | 91.5 | 91.6 | 91.6 | 91.6 |
| ≥ 6000 | 91.2 | 92.5 | 92.7 | 92.9 | 92.9 | 93.0 | 93.1 | 93.1 | 93.1 | 93.1 | 93.2 | 93.2 | 93.3 | 93.3 | 93.3 | 93.4 |
| ≥ 5000 | 93.0 | 94.5 | 94.7 | 94.9 | 94.9 | 95.1 | 95.1 | 95.1 | 95.1 | 95.2 | 95.2 | 95.2 | 95.3 | 95.4 | 95.4 | 95.4 |
| ≥ 4500 | 93.6 | 95.1 | 95.3 | 95.4 | 95.5 | 95.7 | 95.7 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.9 | 96.0 | 96.0 | 96.0 |
| ≥ 4000 | 94.4 | 96.0 | 96.2 | 96.4 | 96.5 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.1 |
| ≥ 3500 | 94.7 | 96.4 | 96.7 | 96.9 | 97.0 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.4 | 97.4 | 97.5 | 97.6 | 97.6 | 97.6 |
| ≥ 3000 | 95.0 | 96.9 | 97.2 | 97.4 | 97.6 | 97.8 | 97.9 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.1 | 98.2 | 98.2 | 98.2 |
| ≥ 2500 | 95.1 | 97.1 | 97.4 | 97.8 | 97.9 | 98.1 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.4 | 98.5 | 98.5 | 98.5 |
| ≥ 2000 | 95.4 | 97.5 | 97.9 | 98.3 | 98.3 | 98.6 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.0 |
| ≥ 1800 | 95.5 | 97.6 | 98.0 | 98.4 | 98.5 | 98.8 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 |
| ≥ 1500 | 95.6 | 97.7 | 98.2 | 98.5 | 98.7 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 |
| ≥ 1200 | 95.6 | 97.8 | 98.3 | 98.7 | 98.8 | 99.1 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 |
| ≥ 1000 | 95.6 | 97.9 | 98.3 | 98.7 | 98.9 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 |
| ≥ 900 | 95.6 | 97.9 | 98.3 | 98.7 | 98.9 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 |
| ≥ 300 | 95.6 | 97.9 | 98.3 | 98.7 | 98.9 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 |
| ≥ 700 | 95.6 | 97.9 | 98.3 | 98.7 | 98.9 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 |
| ≥ 600 | 95.6 | 97.9 | 98.3 | 98.7 | 98.9 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 |
| ≥ 500 | 95.6 | 97.9 | 98.3 | 98.7 | 98.9 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 |
| ≥ 400 | 95.6 | 97.9 | 98.3 | 98.7 | 98.9 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 |
| ≥ 300 | 95.6 | 97.9 | 98.3 | 98.7 | 98.9 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 |
| ≥ 200 | 95.6 | 97.9 | 98.3 | 98.7 | 99.0 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 100 | 95.6 | 97.9 | 98.3 | 98.7 | 99.0 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 |
| ≥ 0 | 95.6 | 97.9 | 98.3 | 98.7 | 99.0 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.7 | 99.8 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2413

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111 STATION: LUKE AFB ARIZONA/PHOENIX STATION NAME 41-45,51-71 YEARS DEC MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100 HOURS (LST)

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 67.6 | 68.4 | 68.7 | 69.2 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 |
| ≥ 20000 | 78.1 | 79.0 | 79.5 | 80.0 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 |
| ≥ 18000 | 78.9 | 79.8 | 80.2 | 80.8 | 80.9 | 81.0 | 81.0 | 81.0 | 81.0 | 81.1 | 81.1 | 81.1 | 81.2 | 81.2 | 81.2 | 81.2 |
| ≥ 16000 | 79.7 | 80.6 | 81.0 | 81.6 | 81.7 | 81.8 | 81.8 | 81.8 | 81.8 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| ≥ 14000 | 81.7 | 82.7 | 83.1 | 83.7 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 |
| ≥ 12000 | 83.9 | 84.9 | 85.3 | 85.9 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| ≥ 10000 | 85.6 | 86.6 | 87.0 | 87.6 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.9 | 87.9 | 87.9 | 88.0 | 88.0 | 88.0 | 88.0 |
| ≥ 9000 | 86.7 | 87.7 | 88.1 | 88.7 | 88.8 | 88.9 | 88.9 | 88.9 | 88.9 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| ≥ 8000 | 88.2 | 89.2 | 89.6 | 90.2 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.5 | 90.5 | 90.5 | 90.6 | 90.6 | 90.6 | 90.6 |
| ≥ 7000 | 89.5 | 90.5 | 90.9 | 91.4 | 91.6 | 91.7 | 91.7 | 91.7 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| ≥ 6000 | 90.5 | 91.6 | 92.0 | 92.7 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| ≥ 5000 | 92.6 | 93.7 | 94.2 | 94.8 | 95.0 | 95.1 | 95.1 | 95.1 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| ≥ 4500 | 92.9 | 94.1 | 94.5 | 95.1 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.5 | 95.5 | 95.5 | 95.6 | 95.6 | 95.6 | 95.6 |
| ≥ 4000 | 93.6 | 94.9 | 95.4 | 96.0 | 96.2 | 96.3 | 96.3 | 96.4 | 96.4 | 96.5 | 96.5 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 |
| ≥ 3500 | 94.6 | 95.8 | 96.4 | 97.0 | 97.2 | 97.3 | 97.4 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| ≥ 3000 | 95.0 | 96.4 | 97.0 | 97.7 | 97.9 | 98.0 | 98.1 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 2500 | 95.2 | 96.6 | 97.3 | 98.0 | 98.2 | 98.3 | 98.4 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥ 2000 | 95.4 | 96.9 | 97.6 | 98.3 | 98.5 | 98.7 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 1800 | 95.4 | 97.0 | 97.6 | 98.3 | 98.5 | 98.7 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 1500 | 95.5 | 97.1 | 97.8 | 98.5 | 98.6 | 99.0 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 1200 | 95.9 | 97.2 | 97.9 | 98.5 | 98.8 | 99.0 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 1000 | 95.6 | 97.2 | 98.0 | 98.6 | 98.9 | 99.1 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 900 | 95.6 | 97.3 | 98.0 | 98.7 | 99.0 | 99.2 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 800 | 95.6 | 97.3 | 98.0 | 98.7 | 99.0 | 99.2 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 700 | 95.6 | 97.3 | 98.0 | 98.7 | 99.0 | 99.2 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 600 | 95.6 | 97.3 | 98.1 | 98.8 | 99.0 | 99.2 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 500 | 95.6 | 97.3 | 98.1 | 98.8 | 99.0 | 99.2 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 400 | 95.6 | 97.3 | 98.1 | 98.8 | 99.0 | 99.2 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 300 | 95.6 | 97.3 | 98.1 | 98.8 | 99.0 | 99.2 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 |
| ≥ 200 | 95.6 | 97.3 | 98.1 | 98.8 | 99.0 | 99.2 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 |
| ≥ 100 | 95.6 | 97.3 | 98.1 | 98.8 | 99.1 | 99.3 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 0 | 95.6 | 97.3 | 98.1 | 98.8 | 99.1 | 99.3 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2409

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 41-45,51-71 (YEARS) DEC (MONTH)

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

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

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥0 | ≥0 |
| NO CEILING | 65.7 | 67.5 | 68.0 | 68.3 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 |
| ≥ 20000 | 77.8 | 79.7 | 80.3 | 80.6 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 |
| ≥ 18000 | 78.7 | 80.6 | 81.2 | 81.5 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| ≥ 16000 | 79.8 | 81.7 | 82.3 | 82.6 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 |
| ≥ 14000 | 81.7 | 83.6 | 84.2 | 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 |
| ≥ 12000 | 83.6 | 85.7 | 86.3 | 86.6 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.8 | 86.8 | 86.8 | 86.9 | 86.8 | 86.8 | 86.8 |
| ≥ 10000 | 85.3 | 87.4 | 88.0 | 88.3 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 |
| ≥ 9000 | 86.5 | 88.6 | 89.2 | 89.5 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| ≥ 8000 | 87.6 | 89.7 | 90.3 | 90.6 | 90.8 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| ≥ 7000 | 88.5 | 90.7 | 91.2 | 91.6 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| ≥ 6000 | 89.0 | 91.8 | 92.4 | 92.7 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| ≥ 5000 | 91.7 | 93.9 | 94.4 | 94.8 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| ≥ 4500 | 92.2 | 94.4 | 95.0 | 95.3 | 95.5 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| ≥ 4000 | 93.1 | 95.3 | 95.9 | 96.3 | 96.5 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| ≥ 3500 | 93.6 | 95.9 | 96.6 | 96.9 | 97.1 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| ≥ 3000 | 94.1 | 96.6 | 97.3 | 97.7 | 97.9 | 98.0 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 2500 | 94.2 | 96.8 | 97.6 | 98.0 | 98.2 | 98.3 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥ 2000 | 94.6 | 97.3 | 98.1 | 98.5 | 98.7 | 98.8 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 1800 | 94.7 | 97.4 | 98.2 | 98.5 | 98.8 | 98.9 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 1500 | 94.9 | 97.5 | 98.3 | 98.7 | 99.0 | 99.0 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 1200 | 94.9 | 97.5 | 98.4 | 98.8 | 99.0 | 99.1 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 1000 | 94.9 | 97.6 | 98.5 | 98.9 | 99.2 | 99.3 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 900 | 94.9 | 97.6 | 98.5 | 98.9 | 99.2 | 99.3 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 800 | 94.9 | 97.6 | 98.6 | 99.0 | 99.3 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 700 | 94.9 | 97.6 | 98.6 | 99.0 | 99.3 | 99.3 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 600 | 94.9 | 97.6 | 98.6 | 99.0 | 99.3 | 99.3 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 500 | 94.9 | 97.6 | 98.6 | 99.0 | 99.3 | 99.3 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 400 | 94.9 | 97.6 | 98.6 | 99.0 | 99.3 | 99.4 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 94.9 | 97.6 | 98.6 | 99.0 | 99.3 | 99.4 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 94.9 | 97.6 | 98.6 | 99.0 | 99.3 | 99.4 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 94.9 | 97.6 | 98.6 | 99.0 | 99.3 | 99.4 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 94.9 | 97.6 | 98.6 | 99.0 | 99.3 | 99.4 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2409

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111 (STATION NUMBER) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 41-45,51-71 (YEARS) DEC (MONTH)

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

1500-1700 (HOURS LST)

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥0 | ≥0 |
| NO CEILING | 65.1 | 66.9 | 67.2 | 67.5 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 |
| ≥ 20000 | 77.0 | 79.4 | 79.7 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 |
| ≥ 18000 | 78.0 | 80.4 | 80.8 | 81.1 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| ≥ 16000 | 79.7 | 82.0 | 82.4 | 82.7 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 |
| ≥ 14000 | 81.6 | 84.0 | 84.4 | 84.7 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| ≥ 12000 | 83.4 | 85.9 | 86.3 | 86.6 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| ≥ 10000 | 85.0 | 87.4 | 87.9 | 88.2 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| ≥ 9000 | 86.3 | 88.8 | 89.3 | 89.6 | 89.7 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| ≥ 8000 | 87.4 | 89.9 | 90.3 | 90.7 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| ≥ 7000 | 88.5 | 91.0 | 91.5 | 91.8 | 91.9 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| ≥ 6000 | 89.7 | 92.3 | 92.7 | 93.1 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| ≥ 5000 | 91.6 | 94.2 | 94.7 | 95.0 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| ≥ 4500 | 92.1 | 94.7 | 95.2 | 95.5 | 95.6 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| ≥ 4000 | 93.1 | 95.8 | 96.3 | 96.6 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| ≥ 3500 | 93.9 | 96.6 | 97.2 | 97.5 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| ≥ 3000 | 94.7 | 97.7 | 98.2 | 98.5 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥ 2500 | 94.7 | 97.7 | 98.3 | 98.6 | 98.8 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 2000 | 94.8 | 97.8 | 98.4 | 98.8 | 99.0 | 99.0 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 1800 | 94.9 | 97.9 | 98.4 | 98.8 | 99.0 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 1500 | 94.9 | 97.9 | 98.5 | 98.9 | 99.2 | 99.2 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 1200 | 94.9 | 97.9 | 98.5 | 98.9 | 99.2 | 99.2 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 1000 | 94.9 | 98.0 | 98.5 | 99.0 | 99.3 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 900 | 94.9 | 98.0 | 98.5 | 99.0 | 99.3 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 800 | 94.9 | 98.0 | 98.6 | 99.0 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 700 | 94.9 | 98.0 | 98.7 | 99.1 | 99.5 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 600 | 94.9 | 98.0 | 98.7 | 99.1 | 99.5 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 500 | 94.9 | 98.0 | 98.7 | 99.1 | 99.5 | 99.5 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 400 | 95.0 | 98.0 | 98.7 | 99.1 | 99.5 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 95.0 | 98.0 | 98.7 | 99.1 | 99.5 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 95.0 | 98.0 | 98.7 | 99.1 | 99.5 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 95.0 | 98.0 | 98.7 | 99.1 | 99.5 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 95.0 | 98.0 | 98.7 | 99.1 | 99.5 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2413

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 41-45,51-71 (YEARS) DEC (MONTH)

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

1800-2000 (HOURS LST)

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 72.9 | 74.5 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 |
| ≥ 20000 | 80.7 | 82.8 | 83.1 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| ≥ 18000 | 81.7 | 83.8 | 84.1 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| ≥ 16000 | 82.7 | 84.8 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| ≥ 14000 | 84.1 | 86.3 | 86.6 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| ≥ 12000 | 85.7 | 87.9 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| ≥ 10000 | 87.1 | 89.3 | 89.5 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| ≥ 9000 | 87.8 | 90.0 | 90.3 | 90.5 | 90.5 | 90.5 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| ≥ 8000 | 89.3 | 91.5 | 91.8 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| ≥ 7000 | 90.6 | 93.0 | 93.3 | 93.4 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 |
| ≥ 6000 | 92.0 | 94.4 | 94.7 | 94.9 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| ≥ 5000 | 93.2 | 95.7 | 96.1 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| ≥ 4500 | 93.8 | 96.4 | 96.7 | 96.9 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| ≥ 4000 | 94.3 | 96.9 | 97.3 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| ≥ 3500 | 94.6 | 97.4 | 97.8 | 98.0 | 98.0 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 3000 | 95.3 | 98.2 | 98.6 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 2500 | 95.5 | 98.5 | 98.9 | 99.1 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 2000 | 95.5 | 98.5 | 98.9 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 1800 | 95.6 | 98.6 | 99.0 | 99.3 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 1500 | 95.6 | 98.6 | 99.0 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 1200 | 95.7 | 98.8 | 99.2 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1000 | 95.8 | 98.8 | 99.2 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 900 | 95.8 | 98.8 | 99.3 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 800 | 95.8 | 98.8 | 99.3 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 700 | 95.8 | 98.9 | 99.3 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 600 | 95.8 | 98.9 | 99.3 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 500 | 95.8 | 98.9 | 99.3 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 400 | 95.8 | 98.9 | 99.3 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 95.8 | 98.9 | 99.3 | 99.6 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 95.8 | 98.9 | 99.3 | 99.6 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 95.8 | 98.9 | 99.3 | 99.6 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 95.8 | 98.9 | 99.3 | 99.6 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2410

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

# CEILING VERSUS VISIBILITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 43-45,51-71 (YEARS) DEC (MONTH)

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

2100-2300 (HOURS (LST))

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 76.0 | 77.5 | 77.6 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 |
| ≥ 20000 | 82.2 | 84.2 | 84.4 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 |
| ≥ 18000 | 82.7 | 84.7 | 84.9 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 |
| ≥ 16000 | 83.7 | 85.6 | 85.9 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| ≥ 14000 | 85.4 | 87.4 | 87.6 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| ≥ 12000 | 87.3 | 89.2 | 89.4 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| ≥ 10000 | 89.0 | 90.9 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| ≥ 9000 | 89.6 | 91.6 | 91.8 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| ≥ 8000 | 90.5 | 92.5 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| ≥ 7000 | 91.7 | 93.6 | 93.8 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| ≥ 6000 | 93.2 | 95.2 | 95.4 | 95.6 | 95.6 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| ≥ 5000 | 94.3 | 96.4 | 96.6 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| ≥ 4500 | 95.0 | 97.1 | 97.3 | 97.5 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| ≥ 4000 | 95.3 | 97.7 | 97.9 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 3500 | 95.7 | 98.2 | 98.4 | 98.5 | 98.5 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 3000 | 95.9 | 98.4 | 98.6 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 2500 | 96.1 | 98.6 | 98.9 | 99.0 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 2000 | 96.3 | 98.8 | 99.1 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 1800 | 96.3 | 98.8 | 99.1 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 1500 | 96.4 | 98.9 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 1200 | 96.5 | 99.1 | 99.4 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1000 | 96.6 | 99.2 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 900 | 96.6 | 99.2 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 800 | 96.6 | 99.2 | 99.5 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 700 | 96.6 | 99.2 | 99.5 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 600 | 96.6 | 99.2 | 99.5 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 500 | 96.6 | 99.2 | 99.5 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 400 | 96.6 | 99.2 | 99.5 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 300 | 96.6 | 99.2 | 99.5 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 200 | 96.6 | 99.3 | 99.6 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 96.6 | 99.3 | 99.6 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 96.6 | 99.3 | 99.6 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2411

## SKY COVER SUMMARY

Due to the reporting of total cloud amount in GWC tapes for airways hourly observations Jan 71 and later; clear, scattered, broken, overcast, partial and obscured are converted to 0, 3, 9, 10, 9 and 10 tenths. The sky cover summary for this station is limited to the period of record through Dec 70.

# PART D SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.

2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

| OKTAS | TENTHS |
|---|---|
| 0 | 0 |
| 1 | 1 |
| 2 | 3 |
| 3 | 4 |
| 4 | 5 |
| 5 | 6 |
| 6 | 8 |
| 7 | 9 |
| 8 (or obscured) | 10 |

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SKY COVER

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 46,51m70 (PERIOD) ALL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO OF OBS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| JAN | ALL | 40,2 | 4,9 | 4,9 | 4,4 | 3,3 | 2,6 | 3,4 | 4,1 | 5,5 | 3,8 | 22,9 | 4,1 | 14711 |
| FEB | | 44,6 | 4,9 | 5,0 | 4,6 | 3,3 | 2,6 | 3,2 | 3,8 | 5,0 | 3,8 | 19,1 | 3,7 | 13220 |
| MAR | | 41,6 | 5,1 | 5,6 | 4,5 | 3,8 | 2,9 | 3,5 | 4,1 | 5,1 | 4,0 | 19,3 | 3,8 | 14128 |
| APR | | 51,6 | 5,4 | 5,3 | 4,7 | 3,8 | 2,7 | 3,4 | 3,9 | 4,1 | 3,2 | 12,0 | 2,9 | 14734 |
| MAY | | 57,4 | 6,2 | 4,9 | 4,7 | 3,3 | 2,8 | 2,8 | 3,6 | 4,2 | 3,1 | 6,9 | 2,2 | 15618 |
| JUN | | 65,8 | 5,9 | 4,9 | 3,6 | 3,2 | 2,2 | 2,7 | 2,9 | 3,0 | 1,8 | 4,1 | 1,7 | 15118 |
| JUL | | 28,0 | 9,1 | 8,5 | 7,0 | 6,3 | 4,7 | 4,5 | 6,1 | 7,4 | 4,7 | 13,7 | 4,0 | 15610 |
| AUG | | 31,9 | 8,3 | 7,7 | 7,1 | 5,6 | 4,6 | 4,3 | 5,6 | 6,8 | 4,6 | 13,6 | 3,9 | 15603 |
| SEP | | 60,9 | 7,5 | 5,3 | 4,2 | 3,3 | 2,4 | 2,6 | 2,5 | 3,0 | 2,3 | 6,2 | 2,0 | 15116 |
| OCT | | 59,0 | 5,6 | 5,3 | 4,2 | 3,3 | 2,5 | 2,8 | 3,3 | 3,5 | 3,1 | 7,4 | 2,2 | 15177 |
| NOV | | 50,9 | 5,6 | 4,5 | 3,8 | 3,4 | 2,6 | 2,8 | 3,9 | 4,9 | 4,1 | 13,6 | 3,1 | 14745 |
| DEC | | 46,4 | 5,1 | 4,8 | 3,8 | 3,3 | 2,4 | 3,1 | 3,6 | 4,7 | 3,7 | 19,1 | 3,6 | 14875 |
| TOTALS | | 48,2 | 6,1 | 5,6 | 4,7 | 3,8 | 2,9 | 3,3 | 4,0 | 4,8 | 3,5 | 13,2 | 3,1 | 178655 |

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SKY COVER

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 46,52-70 (PERIOD) JAN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO OF OBS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| JAN | 00-02 | 51.9 | 3.6 | 5.0 | 4.7 | 3.5 | 2.2 | 3.0 | 3.0 | 3.5 | 1.9 | 17.7 | 3.1 | 1842 |
| | 03-05 | 53.1 | 3.1 | 3.9 | 3.8 | 2.8 | 1.9 | 3.2 | 3.8 | 3.5 | 1.9 | 19.0 | 3.2 | 1824 |
| | 06-08 | 41.3 | 4.6 | 5.4 | 4.4 | 3.1 | 2.5 | 3.4 | 3.9 | 5.0 | 4.7 | 21.8 | 4.0 | 1836 |
| | 09-11 | 34.2 | 5.7 | 4.3 | 3.6 | 2.7 | 2.2 | 3.0 | 4.2 | 7.0 | 5.1 | 27.9 | 4.8 | 1841 |
| | 12-14 | 31.2 | 5.6 | 4.3 | 3.6 | 2.9 | 3.5 | 3.8 | 4.6 | 7.0 | 4.5 | 28.9 | 5.0 | 1837 |
| | 15-17 | 27.7 | 6.5 | 4.7 | 4.9 | 4.2 | 3.1 | 2.8 | 4.3 | 7.0 | 6.1 | 28.6 | 5.1 | 1842 |
| | 18-20 | 35.7 | 5.9 | 5.8 | 4.9 | 3.4 | 2.2 | 3.5 | 4.8 | 7.2 | 4.0 | 22.6 | 4.3 | 1844 |
| | 21-23 | 46.1 | 4.1 | 5.8 | 5.2 | 3.5 | 3.3 | 4.3 | 4.5 | 4.1 | 2.1 | 17.0 | 3.4 | 1845 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 40.2 | 4.9 | 4.9 | 4.4 | 3.3 | 2.6 | 3.4 | 4.1 | 5.5 | 3.8 | 22.9 | 4.1 | 14711 |

USAFETAC FORM JUL 64 0-9-5 (OL-I) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SKY COVER

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 46,52-70 PERIOD | FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO OF OBS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| FEB | 00-02 | 55.3 | 3.8 | 4.7 | 4.1 | 2.1 | 2.2 | 2.2 | 3.3 | 4.4 | 1.8 | 16.2 | 2.9 | 1652 |
| | 03-05 | 57.8 | 3.1 | 3.0 | 3.5 | 3.1 | 2.2 | 3.1 | 3.6 | 3.9 | 1.5 | 15.1 | 2.8 | 1653 |
| | 06-08 | 46.7 | 5.8 | 4.5 | 4.9 | 2.8 | 2.1 | 3.7 | 2.9 | 4.7 | 3.8 | 18.2 | 3.5 | 1653 |
| | 09-11 | 41.9 | 5.0 | 5.1 | 3.7 | 2.9 | 2.9 | 3.1 | 3.7 | 5.7 | 5.1 | 20.9 | 4.0 | 1653 |
| | 12-14 | 36.4 | 5.4 | 4.7 | 4.8 | 3.8 | 3.0 | 3.5 | 4.8 | 6.5 | 5.6 | 21.6 | 4.3 | 1653 |
| | 15-17 | 31.6 | 5.6 | 6.3 | 5.4 | 4.2 | 3.3 | 3.3 | 5.4 | 6.5 | 5.4 | 22.8 | 4.5 | 1652 |
| | 18-20 | 37.5 | 5.9 | 5.9 | 5.9 | 3.9 | 3.2 | 3.5 | 4.2 | 4.8 | 4.6 | 20.6 | 4.0 | 1651 |
| | 21-23 | 49.6 | 4.4 | 5.6 | 4.5 | 3.7 | 2.1 | 3.1 | 2.7 | 3.7 | 2.9 | 17.7 | 3.2 | 1653 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 44.6 | 4.9 | 5.0 | 4.6 | 3.3 | 2.6 | 3.2 | 3.8 | 5.0 | 3.8 | 19.1 | 3.7 | 13220 |

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# SKY COVER

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 52-70 PERIOD | MAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO OF OBS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| MAR | 00-02 | 53.6 | 4.1 | 5.0 | 4.5 | 2.9 | 2.1 | 2.7 | 4.1 | 4.6 | 2.0 | 14.3 | 2.9 | 1766 |
| | 03-05 | 54.8 | 2.8 | 5.8 | 4.3 | 2.8 | 2.4 | 3.0 | 3.1 | 3.4 | 1.6 | 16.0 | 2.9 | 1764 |
| | 06-08 | 41.3 | 6.6 | 6.1 | 4.0 | 3.1 | 1.9 | 3.3 | 4.5 | 5.5 | 4.1 | 19.5 | 3.8 | 1767 |
| | 09-11 | 38.8 | 5.6 | 5.2 | 3.9 | 3.7 | 3.6 | 3.1 | 2.9 | 6.5 | 4.7 | 22.0 | 4.1 | 1765 |
| | 12-14 | 31.1 | 6.2 | 5.8 | 4.7 | 4.1 | 3.7 | 4.0 | 4.3 | 8.3 | 6.5 | 21.3 | 4.6 | 1767 |
| | 15-17 | 26.1 | 5.4 | 6.5 | 5.4 | 5.3 | 3.8 | 4.1 | 4.5 | 6.9 | 6.4 | 23.7 | 4.8 | 1766 |
| | 18-20 | 36.0 | 5.8 | 5.4 | 5.1 | 4.1 | 2.9 | 3.1 | 5.7 | 6.2 | 3.9 | 21.7 | 4.2 | 1767 |
| | 21-23 | 49.1 | 4.2 | 4.9 | 4.3 | 4.0 | 2.7 | 4.6 | 3.9 | 4.0 | 2.5 | 15.9 | 3.2 | 1766 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 41.6 | 5.1 | 5.6 | 4.5 | 3.8 | 2.9 | 3.5 | 4.1 | 5.7 | 4.0 | 19.3 | 3.8 | 14128 |

DATA PROCESSING BRANCH
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# SKY COVER

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 46,51-70 (PERIOD) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO OF OBS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| APR | 00-02 | 63.6 | 4.0 | 5.0 | 4.3 | 2.5 | 1.8 | 2.3 | 2.9 | 3.0 | 1.6 | 8.7 | 2.1 | 1842 |
| | 03-05 | 61.7 | 4.5 | 5.4 | 4.4 | 3.0 | 1.7 | 2.3 | 3.5 | 2.5 | 1.6 | 9.4 | 2.2 | 1842 |
| | 06-08 | 51.7 | 5.3 | 5.1 | 4.7 | 4.0 | 2.4 | 3.3 | 3.7 | 4.1 | 3.6 | 12.2 | 2.9 | 1841 |
| | 09-11 | 49.1 | 6.0 | 5.3 | 3.7 | 3.9 | 2.8 | 3.4 | 3.6 | 4.1 | 4.5 | 13.7 | 3.1 | 1842 |
| | 12-14 | 42.8 | 7.1 | 4.6 | 5.2 | 3.9 | 4.0 | 3.2 | 5.0 | 5.6 | 4.5 | 14.2 | 3.5 | 1842 |
| | 15-17 | 39.6 | 6.5 | 5.6 | 4.5 | 5.3 | 3.7 | 4.5 | 4.9 | 5.9 | 4.3 | 15.2 | 3.7 | 1841 |
| | 18-20 | 43.6 | 5.8 | 6.7 | 6.0 | 4.8 | 2.8 | 4.5 | 3.7 | 5.1 | 3.7 | 13.3 | 3.3 | 1842 |
| | 21-23 | 60.6 | 3.8 | 4.7 | 4.5 | 2.7 | 2.6 | 4.0 | 4.0 | 2.5 | 1.6 | 9.2 | 2.3 | 1842 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 51.6 | 5.4 | 5.3 | 4.7 | 3.8 | 2.7 | 3.4 | 3.9 | 4.1 | 3.2 | 12.0 | 2.9 | 14734 |

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# SKY COVER

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 46,51-70 (PERIOD) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| MAY | 00-02 | 70.9 | 3.5 | 4.3 | 3.9 | 2.5 | 1.9 | 1.6 | 2.2 | 2.6 | 1.6 | 5.0 | 1.5 | 1951 |
| | 03-05 | 66.9 | 4.3 | 5.3 | 4.4 | 2.9 | 1.9 | 1.9 | 2.6 | 3.4 | 1.6 | 4.7 | 1.7 | 1953 |
| | 06-08 | 57.7 | 5.0 | 4.6 | 4.4 | 2.6 | 2.5 | 3.3 | 3.5 | 5.2 | 3.6 | 7.8 | 2.5 | 1953 |
| | 09-11 | 56.6 | 7.7 | 4.0 | 3.7 | 2.7 | 2.7 | 3.2 | 3.4 | 4.6 | 3.4 | 8.0 | 2.4 | 1953 |
| | 12-14 | 50.8 | 8.9 | 5.7 | 4.4 | 3.3 | 2.5 | 2.9 | 3.6 | 5.5 | 3.8 | 8.7 | 2.7 | 1952 |
| | 15-17 | 40.9 | 8.1 | 5.7 | 5.3 | 4.2 | 3.9 | 3.5 | 4.6 | 3.9 | 4.1 | 9.5 | 2.9 | 1952 |
| | 18-20 | 46.5 | 7.4 | 5.0 | 5.4 | 4.9 | 3.9 | 3.1 | 5.0 | 5.5 | 4.6 | 6.7 | 2.8 | 1952 |
| | 21-23 | 61.0 | 4.9 | 4.5 | 5.9 | 3.4 | 2.9 | 3.2 | 3.9 | 3.0 | 2.2 | 5.1 | 2.0 | 1952 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 57.4 | 6.2 | 4.9 | 4.7 | 3.3 | 2.8 | 2.8 | 3.6 | 4.2 | 3.1 | 6.9 | 2.3 | 15618 |

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# SKY COVER

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 46,51-70 (PERIOD) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO OF OBS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| JUN | 00-02 | 74.3 | 4.1 | 3.5 | 3.1 | 2.2 | 1.5 | 2.1 | 1.9 | 2.6 | .8 | 3.8 | 1.3 | 1889 |
| | 03-05 | 70.7 | 4.6 | 5.0 | 3.0 | 3.3 | 1.7 | 2.2 | 2.4 | 2.3 | 1.3 | 3.4 | 1.4 | 1890 |
| | 06-08 | 63.1 | 5.5 | 5.6 | 4.3 | 3.9 | 2.1 | 2.9 | 3.5 | 2.5 | 2.3 | 4.4 | 1.8 | 1890 |
| | 09-11 | 65.9 | 6.9 | 4.6 | 2.9 | 3.5 | 1.9 | 2.2 | 3.5 | 2.3 | 2.0 | 4.3 | 1.7 | 1890 |
| | 12-14 | 62.6 | 7.7 | 5.7 | 3.4 | 3.0 | 3.0 | 3.2 | 3.0 | 3.1 | 1.6 | 3.7 | 1.7 | 1889 |
| | 15-17 | 59.7 | 7.8 | 5.6 | 4.2 | 3.5 | 2.5 | 3.2 | 3.8 | 3.8 | 2.3 | 3.7 | 1.9 | 1890 |
| | 18-20 | 61.3 | 6.0 | 5.3 | 3.5 | 3.4 | 3.1 | 2.8 | 2.7 | 4.8 | 2.5 | 4.6 | 2.0 | 1890 |
| | 21-23 | 68.5 | 4.6 | 4.0 | 4.2 | 2.9 | 1.9 | 3.0 | 2.2 | 2.9 | 1.3 | 4.6 | 1.6 | 1890 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 65.6 | 5.9 | 4.9 | 3.6 | 3.2 | 2.2 | 2.7 | 2.9 | 3.0 | 1.8 | 4.1 | 1.7 | 15118 |

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# SKY COVER

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 46,51-70 (PERIOD) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO OF OBS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| JUL | 00-02 | 36.7 | 5.5 | 6.7 | 5.2 | 5.4 | 3.9 | 3.1 | 5.4 | 6.8 | 2.6 | 18.7 | 4.0 | 1948 |
| | 03-05 | 32.0 | 7.0 | 8.5 | 5.2 | 5.3 | 4.3 | 4.6 | 5.9 | 7.5 | 4.2 | 15.3 | 4.0 | 1949 |
| | 06-08 | 20.7 | 9.8 | 7.4 | 7.1 | 6.5 | 4.3 | 5.3 | 6.2 | 8.6 | 7.3 | 16.9 | 4.7 | 1951 |
| | 09-11 | 29.6 | 9.5 | 7.3 | 6.0 | 6.7 | 5.2 | 3.9 | 5.9 | 8.5 | 5.8 | 11.6 | 4.0 | 1952 |
| | 12-14 | 30.4 | 11.5 | 10.3 | 8.5 | 7.0 | 5.7 | 4.3 | 5.9 | 6.1 | 3.5 | 6.8 | 3.3 | 1953 |
| | 15-17 | 23.8 | 13.2 | 12.1 | 10.5 | 8.1 | 6.3 | 4.3 | 5.8 | 6.4 | 3.8 | 5.5 | 3.4 | 1951 |
| | 18-20 | 21.0 | 9.3 | 9.0 | 7.3 | 6.4 | 4.6 | 4.8 | 8.2 | 8.2 | 6.3 | 14.8 | 4.5 | 1953 |
| | 21-23 | 29.4 | 6.8 | 6.9 | 6.0 | 5.0 | 3.6 | 5.9 | 5.5 | 7.2 | 3.9 | 19.8 | 4.4 | 1953 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 28.0 | 9.1 | 8.5 | 7.0 | 6.3 | 4.7 | 4.5 | 6.1 | 7.4 | 4.7 | 13.7 | 4.0 | 15610 |

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# SKY COVER

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 46,51-70 PERIOD | AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO OF OBS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| AUG | 00-02 | 38.7 | 4.9 | 6.0 | 6.0 | 4.7 | 3.3 | 3.5 | 5.5 | 5.7 | 2.6 | 19.0 | 3.9 | 1948 |
| | 03-05 | 38.1 | 5.5 | 6.7 | 6.6 | 5.8 | 3.2 | 5.0 | 4.3 | 5.3 | 3.0 | 16.5 | 3.7 | 1951 |
| | 06-08 | 28.4 | 7.6 | 7.4 | 6.7 | 5.9 | 4.2 | 3.3 | 6.2 | 8.5 | 6.4 | 15.5 | 4.3 | 1947 |
| | 09-11 | 34.6 | 9.1 | 6.6 | 6.9 | 5.5 | 4.5 | 3.9 | 5.2 | 7.8 | 4.9 | 11.0 | 3.6 | 1950 |
| | 12-14 | 32.4 | 12.2 | 9.5 | 8.6 | 5.4 | 5.6 | 4.6 | 5.7 | 5.3 | 4.1 | 6.5 | 3.2 | 1952 |
| | 15-17 | 25.1 | 13.0 | 11.0 | 9.6 | 7.3 | 6.5 | 5.3 | 5.3 | 6.1 | 5.1 | 5.7 | 3.5 | 1952 |
| | 18-20 | 23.0 | 8.7 | 7.6 | 7.1 | 4.7 | 4.9 | 4.1 | 7.2 | 9.2 | 7.6 | 15.2 | 4.6 | 1952 |
| | 21-23 | 33.9 | 5.7 | 6.5 | 5.3 | 5.1 | 4.2 | 5.0 | 5.3 | 6.3 | 3.3 | 19.3 | 4.2 | 1951 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 31.9 | 8.3 | 7.7 | 7.1 | 5.6 | 4.6 | 4.3 | 5.6 | 6.8 | 4.6 | 13.6 | 3.9 | 15603 |

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# SKY COVER

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 46,51-70 (PERIOD) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO OF OBS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| SEP | 00-02 | 68,4 | 5,6 | 4,7 | 3,0 | 3,1 | 1,6 | 1,9 | 2,1 | 2,1 | 1,2 | 6,5 | 1,6 | 1888 |
| | 03-05 | 66,2 | 5,5 | 5,2 | 4,3 | 2,3 | 1,5 | 2,4 | 1,5 | 1,7 | 1,0 | 6,3 | 1,6 | 1890 |
| | 06-08 | 55,6 | 8,2 | 5,9 | 5,6 | 3,7 | 3,1 | 2,8 | 3,1 | 3,6 | 3,0 | 5,6 | 2,2 | 1889 |
| | 09-11 | 61,3 | 7,8 | 5,0 | 3,2 | 3,1 | 2,4 | 2,6 | 2,5 | 3,5 | 3,0 | 5,5 | 2,0 | 1890 |
| | 12-14 | 58,5 | 9,3 | 5,0 | 4,4 | 3,6 | 2,4 | 2,8 | 3,1 | 2,7 | 2,6 | 5,5 | 2,0 | 1889 |
| | 15-17 | 52,2 | 11,1 | 6,3 | 5,2 | 4,2 | 3,7 | 2,5 | 2,8 | 3,8 | 2,6 | 5,4 | 2,2 | 1890 |
| | 18-20 | 56,5 | 7,8 | 5,4 | 4,1 | 4,0 | 2,3 | 2,5 | 2,9 | 4,3 | 3,1 | 7,0 | 2,3 | 1890 |
| | 21-23 | 66,2 | 4,4 | 4,8 | 3,6 | 2,1 | 1,9 | 3,1 | 2,1 | 2,3 | 2,1 | 7,4 | 1,9 | 1890 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 60,9 | 7,5 | 5,3 | 4,2 | 3,3 | 2,4 | 2,6 | 2,5 | 3,0 | 2,3 | 6,2 | 2,0 | 15116 |

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# SKY COVER

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 46,51-70 PERIOD | OCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO OF OBS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| OCT | 00-02 | 70,7 | 3,5 | 4,6 | 2,5 | 2,1 | 2,2 | 2,2 | 2,2 | 2,6 | 1,0 | 6,4 | 1,6 | 1888 |
| | 03-05 | 69,8 | 4,0 | 3,7 | 3,1 | 2,6 | 2,1 | 2,5 | 2,7 | 2,0 | 1,2 | 6,2 | 1,6 | 1888 |
| | 06-08 | 56,3 | 5,9 | 4,5 | 4,4 | 3,2 | 2,6 | 3,4 | 3,5 | 4,4 | 3,8 | 7,9 | 2,5 | 1892 |
| | 09-11 | 55,4 | 5,8 | 5,2 | 4,2 | 2,5 | 3,1 | 2,8 | 4,3 | 3,7 | 4,6 | 8,4 | 2,6 | 1895 |
| | 12-14 | 50,9 | 7,2 | 6,1 | 5,7 | 3,8 | 2,9 | 3,0 | 3,9 | 4,7 | 5,0 | 6,8 | 2,6 | 1903 |
| | 15-17 | 44,1 | 8,0 | 6,9 | 5,0 | 4,5 | 3,2 | 2,8 | 3,5 | 4,7 | 4,6 | 8,6 | 2,8 | 1909 |
| | 18-20 | 55,4 | 6,3 | 5,8 | 4,5 | 3,9 | 2,6 | 3,1 | 3,3 | 4,2 | 2,7 | 8,1 | 2,4 | 1906 |
| | 21-23 | 65,5 | 4,1 | 5,3 | 4,5 | 3,5 | 1,6 | 2,5 | 3,0 | 1,8 | 1,5 | 6,8 | 1,8 | 1896 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTAL | | 59,0 | 5,6 | 5,3 | 4,2 | 3,3 | 2,5 | 2,8 | 3,3 | 3,5 | 3,1 | 7,4 | 2,2 | 15177 |

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# SKY COVER

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 46,51-70 PERIOD | NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO OF OBS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| NOV | 00-02 | 62.7 | 3.5 | 4.2 | 3.3 | 3.0 | 1.7 | 2.6 | 3.1 | 3.4 | 1.5 | 11.1 | 2.3 | 1943 |
| | 03-05 | 62.9 | 3.9 | 3.7 | 2.3 | 3.2 | 1.8 | 2.7 | 2.9 | 3.1 | 1.7 | 11.8 | 2.3 | 1841 |
| | 06-08 | 49.9 | 6.1 | 5.2 | 3.6 | 3.1 | 2.1 | 2.7 | 3.6 | 4.8 | 5.1 | 13.8 | 3.1 | 1843 |
| | 09-11 | 44.5 | 6.7 | 4.3 | 3.3 | 4.3 | 3.1 | 2.4 | 4.4 | 5.5 | 6.0 | 15.6 | 3.6 | 1844 |
| | 12-14 | 42.9 | 5.9 | 4.0 | 4.4 | 4.1 | 3.6 | 2.5 | 3.9 | 7.2 | 5.3 | 16.3 | 3.7 | 1844 |
| | 15-17 | 39.6 | 6.4 | 5.0 | 4.5 | 2.8 | 3.0 | 2.7 | 4.3 | 7.0 | 6.9 | 15.9 | 3.8 | 1840 |
| | 18-20 | 47.6 | 5.9 | 4.8 | 4.6 | 3.5 | 2.4 | 3.3 | 4.8 | 5.0 | 3.7 | 14.4 | 3.3 | 1845 |
| | 21-23 | 56.7 | 4.0 | 5.4 | 4.1 | 3.4 | 2.7 | 3.5 | 4.0 | 3.5 | 2.8 | 9.9 | 2.6 | 1845 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 50.9 | 5.6 | 4.6 | 3.8 | 3.4 | 2.6 | 2.8 | 3.9 | 4.9 | 4.1 | 13.6 | 3.1 | 14745 |

USAFETAC FORM JUL 64 0-9-5 (OL1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# SKY COVER

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 31670 (PERIOD) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO OF OBS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| DEC | 00-02 | 56.8 | 4.0 | 4.0 | 3.5 | 3.1 | 1.9 | 2.6 | 2.8 | 2.8 | 2.8 | 15.1 | 2.8 | 1860 |
| | 03-05 | 60.0 | 2.9 | 4.2 | 2.6 | 3.4 | 1.8 | 1.9 | 2.4 | 2.9 | 1.8 | 16.0 | 2.7 | 1860 |
| | 06-08 | 47.4 | 4.8 | 5.1 | 4.1 | 3.4 | 1.8 | 3.5 | 3.6 | 4.8 | 4.1 | 17.2 | 3.4 | 1857 |
| | 09-11 | 40.3 | 6.0 | 4.5 | 4.0 | 3.3 | 2.3 | 3.2 | 3.8 | 5.6 | 5.8 | 21.1 | 4.1 | 1860 |
| | 12-14 | 36.7 | 6.3 | 4.4 | 3.9 | 3.7 | 3.0 | 3.0 | 4.5 | 6.2 | 5.4 | 22.8 | 4.3 | 1860 |
| | 15-17 | 34.5 | 5.6 | 5.4 | 3.9 | 3.4 | 2.9 | 3.5 | 5.1 | 5.6 | 5.7 | 24.4 | 4.5 | 1859 |
| | 18-20 | 42.7 | 6.3 | 6.0 | 4.5 | 3.5 | 2.4 | 3.5 | 3.4 | 5.9 | 2.0 | 19.8 | 3.7 | 1860 |
| | 21-23 | 53.0 | 4.8 | 4.1 | 3.8 | 2.6 | 2.8 | 3.6 | 2.9 | 4.1 | 1.7 | 16.7 | 3.0 | 1859 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 46.4 | 5.1 | 4.8 | 3.8 | 3.3 | 2.4 | 3.1 | 3.6 | 4.7 | 3.7 | 19.1 | 3.6 | 14875 |

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

# 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 presentation 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 deviation, and total number of observations in three separate tables as follows:

   a. Daily maximum temperature
   b. Daily minimum temperature
   c. Daily mean temperature

2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:

   a. Extreme maximum temperature
   b. Extreme minimum temperature

   NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.

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 all 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 vertically. Also provided for each dry-bulb temperature interval 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 require two pages in some cases.

      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 ($\Sigma X^2$), sums of values ($\Sigma X$), means ($\bar{X}$), and standard deviations ($\sigma x$). The number of observations used in the computations 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 tabulations 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 available are combined. Tables are prepared for the following:

a. Dry-bulb temperature
b. Wet-bulb temperature
c. Dew-point temperature

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.

b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

1

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# DAILY TEMPERATURES

22111 LUKE AFB ARIZONA/PHOENIX 41-46, 51-72
STATION STATION NAME YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

| TEMP (°F) | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 115 | | | | | | 1.2 | 1.2 | .1 | | | | | .2 |
| 110 | | | | | .6 | 10.9 | 15.8 | 4.0 | .9 | | | | 2.7 |
| 105 | | | | | 3.5 | 32.6 | 56.6 | 30.7 | 17.1 | .1 | | | 11.9 |
| 100 | | | | .6 | 15.7 | 61.9 | 88.0 | 72.5 | 45.6 | 2.4 | | | 24.2 |
| 95 | | | .1 | 8.3 | 42.8 | 81.1 | 97.1 | 91.8 | 70.4 | 15.9 | | | 34.5 |
| 90 | | .1 | 2.6 | 22.2 | 67.1 | 93.1 | 99.0 | 98.3 | 86.8 | 40.1 | .3 | | 43.1 |
| 85 | .1 | 2.2 | 13.0 | 46.5 | 81.6 | 98.9 | 99.6 | 99.4 | 95.6 | 65.9 | 7.5 | .1 | 51.5 |
| 80 | 1.5 | 9.2 | 31.4 | 68.1 | 92.3 | 99.9 | 100.0 | 99.8 | 98.3 | 81.9 | 26.4 | .7 | 59.7 |
| 75 | 8.1 | 24.5 | 50.6 | 80.9 | 97.7 | 100.0 | | 99.9 | 99.7 | 91.9 | 50.1 | 11.9 | 68.4 |
| 70 | 28.9 | 48.5 | 70.5 | 90.9 | 99.4 | | | 100.0 | 100.0 | 97.3 | 71.1 | 32.6 | 78.5 |
| 65 | 55.5 | 71.0 | 84.1 | 97.2 | 100.0 | | | | | 98.8 | 87.6 | 57.1 | 87.7 |
| 60 | 76.2 | 87.2 | 95.8 | 99.5 | | | | | | 99.6 | 96.3 | 80.8 | 94.6 |
| 55 | 91.9 | 96.8 | 99.3 | 99.9 | | | | | | 100.0 | 99.0 | 92.2 | 98.3 |
| 50 | 98.3 | 99.4 | 100.0 | 100.0 | | | | | | | 99.7 | 98.0 | 99.6 |
| 45 | 99.4 | 100.0 | | | | | | | | | 100.0 | 99.6 | 99.9 |
| 40 | 100.0 | | | | | | | | | | | 100.0 | 100.0 |
| MEAN | 64.9 | 68.9 | 74.3 | 82.6 | 92.0 | 100.9 | 104.8 | 101.8 | 97.8 | 86.7 | 73.8 | 65.6 | 84.5 |
| S D | 7.281 | 7.823 | 8.765 | 8.807 | 7.916 | 7.081 | 5.048 | 5.100 | 6.878 | 7.976 | 7.695 | 7.275 | 16.029 |
| TOTAL OBS | 806 | 721 | 775 | 794 | 817 | 810 | 806 | 804 | 780 | 806 | 755 | 806 | 9490 |

USAF ETAC FORM JUL 64 0 21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# DAILY TEMPERATURES

23111 LUKE AFB ARIZONA/PHOENIX 41-46, 51-72
STATION STATION NAME YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

| TEMP (°F) | JAN | FEB | MAR | APR | MAY | JUN. | JUL | AUG. | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90 | | | | | | | ,4 | | | | | | ,0 |
| 85 | | | | | | 1,5 | 11,0 | 3,0 | ,1 | | | | 1,3 |
| 80 | | | | | ,2 | 9,4 | 47,0 | 30,5 | 4,5 | | | | 7,8 |
| 75 | | | | | 2,1 | 24,4 | 80,9 | 74,4 | 21,0 | | | | 17,2 |
| 70 | | | | ,4 | 9,5 | 48,9 | 95,7 | 98,7 | 50,6 | 2,4 | | | 25,4 |
| 65 | | | ,1 | 2,3 | 29,5 | 75,2 | 99,5 | 98,4 | 78,5 | 13,6 | ,1 | | 33,6 |
| 60 | | | 1,8 | 14,1 | 62,1 | 94,4 | 100,0 | 100,0 | 93,1 | 35,9 | 1,7 | | 42,5 |
| 55 | 1,2 | 2,1 | 5,8 | 41,3 | 86,0 | 99,5 | | | 99,1 | 64,4 | 9,4 | 1,0 | 51,8 |
| 50 | 5,7 | 15,5 | 31,2 | 71,8 | 97,6 | 100,0 | | | 100,0 | 86,7 | 27,5 | 5,3 | 62,4 |
| 45 | 17,1 | 36,2 | 62,9 | 90,7 | 99,8 | | | | | 96,8 | 59,3 | 18,0 | 73,9 |
| 40 | 48,5 | 63,2 | 87,5 | 99,1 | 100,0 | | | | | 99,6 | 82,1 | 46,0 | 85,7 |
| 35 | 73,7 | 86,0 | 98,1 | 100,0 | | | | | | 99,9 | 96,6 | 82,8 | 95,2 |
| 33 | 86,1 | 92,5 | 99,0 | | | | | | | | 98,2 | 90,9 | 97,2 |
| 30 | 94,9 | 98,3 | 99,9 | | | | | | | 100,0 | 100,0 | 97,1 | 99,2 |
| 25 | 99,3 | 100,0 | 100,0 | | | | | | | | | 99,9 | 99,9 |
| 20 | 100,0 | | | | | | | | | | | 100,0 | 100,0 |
| MEAN | 39,2 | 42,0 | 46,6 | 52,9 | 61,3 | 69,5 | 78,6 | 77,0 | 69,3 | 56,9 | 45,8 | 39,5 | 55,6 |
| S D | 6,087 | 6,569 | 6,059 | 5,995 | 6,140 | 6,887 | 4,957 | 4,571 | 6,162 | 6,627 | 6,333 | 5,651 | 15,078 |
| TOTAL OBS | 806 | 721 | 775 | 794 | 817 | 810 | 806 | 804 | 780 | 806 | 765 | 806 | 9490 |

USAF ETAC FORM JUL 64 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# DAILY TEMPERATURES

23111 LUKE AFB ARIZONA/PHOENIX 41-46, 51-72
STATION STATION NAME YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

| TEMP (°F) | JAN | FEB | MAR | APR | MAY | JUN. | JUL | AUG. | SEP | OCT. | NOV. | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | | | | | | .6 | 1.2 | .4 | | | | | .2 |
| 95 | | | | | | 7.3 | 28.8 | 9.3 | .9 | | | | 3.7 |
| 90 | | | | | 1.6 | 29.1 | 75.3 | 54.4 | 14.7 | | | | 14.9 |
| 85 | | | | | 9.5 | 56.8 | 95.2 | 89.4 | 46.4 | .4 | | | 25.2 |
| 80 | | | | 2.4 | 35.9 | 81.0 | 99.5 | 98.9 | 77.7 | 13.6 | | | 34.6 |
| 75 | | | 1.9 | 16.9 | 66.8 | 95.4 | 100.0 | 99.6 | 94.4 | 36.2 | .4 | | 43.2 |
| 70 | | 1.0 | 8.3 | 44.3 | 86.2 | 99.9 | | 100.0 | 99.1 | 69.4 | 4.4 | | 51.8 |
| 65 | .5 | 8.0 | 29.7 | 70.7 | 95.8 | 100.0 | | | 99.9 | 87.5 | 23.7 | 1.1 | 60.4 |
| 60 | 9.2 | 27.2 | 58.7 | 87.8 | 99.8 | | | | 100.0 | 96.2 | 55.8 | 9.7 | 70.8 |
| 55 | 38.1 | 57.8 | 80.4 | 97.4 | 100.0 | | | | | 99.1 | 80.9 | 36.1 | 82.7 |
| 50 | 70.5 | 82.7 | 95.7 | 99.9 | | | | | | 99.8 | 95.6 | 74.3 | 93.3 |
| 45 | 90.6 | 95.7 | 99.6 | 100.0 | | | | | | 100.0 | 99.2 | 92.9 | 98.2 |
| 40 | 98.6 | 100.0 | 100.0 | | | | | | | | 100.0 | 99.5 | 99.8 |
| 35 | 99.9 | | | | | | | | | | | 100.0 | 100.0 |
| 30 | 100.0 | | | | | | | | | | | | 100.0 |
| MEAN | 52.8 | 55.7 | 60.6 | 68.0 | 76.8 | 85.4 | 91.9 | 89.6 | 83.7 | 72.0 | 60.0 | 52.7 | 70.7 |
| S D | 5.623 | 6.295 | 6.549 | 6.808 | 6.391 | 6.341 | 4.009 | 4.051 | 5.549 | 6.419 | 5.971 | 5.233 | 15.145 |
| TOTAL OBS | 806 | 721 | 775 | 794 | 817 | 810 | 806 | 804 | 780 | 806 | 765 | 806 | 9490 |

USAF ETAC FORM JUL 64 0-21 5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 41-46, 51-72 (YEARS)

WHOLE DEGREES FAHRENHEIT

| MONTH / YEAR | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ALL MONTHS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 41 | | | | | | | | | | | | '79 | |
| 42 | 77 | 77 | 90 | '90 | 106 | 113 | 116 | 110 | 108 | 100 | 87 | '78 | 116 |
| 43 | 80 | 85 | 91 | 102 | 104 | 108 | 114 | 106 | 108 | 98 | 84 | '73 | 114 |
| 44 | 78 | 79 | 81 | 98 | 98 | 111 | 109 | 111 | 107 | 100 | 86 | '74 | 111 |
| 45 | 77 | 78 | 83 | '98 | 98 | 110 | 110 | 108 | 112 | 95 | 89 | '76 | 112 |
| 46 | 78 | | | '98 | '99 | 108 | 108 | 110 | 108 | 89 | | | |
| 51 | | | | | 112 | 109 | 112 | 108 | 107 | 99 | 81 | '76 | |
| 52 | 75 | 77 | 82 | 94 | 103 | 110 | 112 | 110 | 110 | 102 | 85 | '77 | 112 |
| 53 | 81 | 82 | 89 | '98 | '99 | 112 | 114 | 110 | 108 | 100 | 88 | '78 | 114 |
| 54 | 82 | 86 | 86 | 101 | 101 | 115 | 116 | 111 | 108 | 100 | 89 | '79 | 116 |
| 55 | 76 | 81 | 89 | '93 | 104 | 114 | 111 | 106 | 110 | 105 | 89 | 81 | 114 |
| 56 | 82 | 78 | 93 | '93 | 108 | 114 | 117 | 109 | 109 | 99 | 88 | '78 | 117 |
| 57 | 71 | 91 | 86 | '93 | 102 | 117 | 115 | 109 | 108 | 100 | 80 | '79 | 117 |
| 58 | 76 | 81 | 81 | 99 | 111 | 112 | 118 | 110 | 107 | 99 | 85 | 87 | 118 |
| 59 | 77 | 79 | 86 | 100 | 101 | 114 | 115 | 109 | 108 | 98 | 83 | 80 | 115 |
| 60 | 75 | 73 | 94 | '96 | 110 | 118 | 114 | 112 | 105 | 99 | 88 | '76 | 118 |
| 61 | 80 | 81 | 87 | '98 | '99 | 115 | 112 | 110 | 100 | 97 | 81 | '75 | 115 |
| 62 | 76 | 81 | 86 | '99 | 100 | 110 | 108 | 111 | 106 | 96 | 86 | '78 | 111 |
| 63 | 75 | 88 | 82 | '94 | 103 | 105 | 110 | 106 | 104 | 101 | 93 | '79 | 110 |
| 64 | 72 | 73 | 89 | '94 | 101 | 109 | 112 | 111 | 104 | 97 | 81 | '70 | 112 |
| 65 | 78 | 78 | 85 | '97 | 100 | 104 | 112 | 110 | 101 | 94 | 87 | '78 | 112 |
| 66 | 70 | 73 | 90 | '94 | 103 | 110 | 113 | | 103 | 92 | 89 | '77 | |
| 67 | 76 | 82 | 88 | 86 | 103 | 108 | 113 | | 103 | 96 | 90 | 66 | |
| 68 | 74 | 81 | 87 | '91 | | 114 | 109 | 105 | 107 | 94 | 79 | '72 | |
| 69 | 74 | 74 | 92 | '95 | 109 | 112 | 117 | 116 | 108 | 98 | 82 | '77 | 117 |
| 70 | 73 | 85 | 84 | 89 | 106 | 115 | 113 | 109 | 107 | 90 | 82 | '73 | 115 |
| 71 | 85 | 81 | 93 | '93 | '97 | 110 | 113 | 104 | 106 | 93 | 86 | '76 | 113 |
| 72 | 78 | 86 | 95 | '92 | 102 | 116 | | | | | | | |
| | | | | | | | | | | | | | |
| MEAN | 76.7 | 80.4 | 87.6 | 94.9 | 103.0 | 111.6 | 112.8 | 109.2 | 106.8 | 97.3 | 85.5 | 76.6 | 114.2 |
| S D | 3,519 | 4,708 | 4,104 | 4,073 | 4,200 | 3,489 | 2,786 | 2,553 | 2,772 | 3,709 | 3,630 | 3,930 | 2,448 |
| TOTAL OBS. | 806 | 707 | 775 | 780 | 806 | 810 | 806 | 744 | 780 | 806 | 750 | 806 | 9376 |

1210 WS FORM JUL 64 0-88-5 (Det 50)

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 41-46, 51-72 (YEARS)

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

| MONTH / YEAR | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ALL MONTHS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46 | | 70<br>14 | | | | | | | | | 72<br>15 | | MAX TEMP<br>DAYS |
| 51 | | | | 97<br>14 | | | | | | | | | MAX TEMP<br>DAYS |
| 66 | | | | | | | | 109<br>30 | | | | | MAX TEMP<br>DAYS |
| 67 | | | | | | | | 109<br>30 | | | | | MAX TEMP<br>DAYS |
| 68 | | | | | 105<br>11 | | | | | | | | MAX TEMP<br>DAYS |
| 72 | | | | | | | 0 | | | | | | MAX TEMP<br>DAYS |
| | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | |
| MEAN | | | | | | | | | | | | | |
| S. D. | | | | | | | | | | | | | |
| TOTAL OBS. | | | | | | | | | | | | | |

1210 WS FORM JUL 64 0-88-5 (Det 50)

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

23111 LUKE AFB ARIZONA/PHOENIX 41-46, 51-72
STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

| YEAR \ MONTH | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG | SEP. | OCT. | NOV. | DEC. | ALL MONTHS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 41 | | | | | | | | | | | | 30 | |
| 42 | 31 | 29 | 35 | 40 | 47 | 59 | 69 | 60 | 60 | 39 | 38 | 30 | 29 |
| 43 | 32 | 33 | 40 | 41 | 50 | 54 | 60 | 68 | 58 | 41 | 31 | 31 | 31 |
| 44 | 27 | 32 | 36 | 41 | 53 | 53 | 56 | 68 | 61 | 50 | 32 | 32 | 27 |
| 45 | 30 | 32 | 34 | 35 | 52 | 55 | 70 | 71 | 52 | 45 | 36 | 26 | 26 |
| 46 | 29 | | | 42 | 55 | 61 | 68 | 72 | 65 | 42 | | | |
| 51 | | | | | 43 | 56 | 69 | 65 | 61 | 43 | 37 | 28 | |
| 52 | 29 | 29 | 34 | 46 | 54 | 60 | 63 | 70 | 53 | 49 | 30 | 31 | 29 |
| 53 | 34 | 29 | 38 | 40 | 47 | 58 | 74 | 62 | 56 | 45 | 32 | 23 | 23 |
| 54 | 29 | 38 | 37 | 44 | 48 | 54 | 71 | 63 | 60 | 43 | 40 | 27 | 27 |
| 55 | 30 | 26 | 35 | 38 | 48 | 55 | 64 | 71 | 55 | 40 | 35 | 32 | 26 |
| 56 | 33 | 25 | 32 | 41 | 53 | 65 | 66 | 63 | 64 | 41 | 31 | 27 | 25 |
| 57 | 35 | 35 | 40 | 43 | 51 | 61 | 73 | 60 | 58 | 50 | 33 | 34 | 33 |
| 58 | 30 | 36 | 38 | 39 | 56 | 60 | 69 | 75 | 60 | 49 | 30 | 29 | 29 |
| 59 | 30 | 32 | 36 | 52 | 46 | 60 | 73 | 71 | 56 | 47 | 37 | 33 | 30 |
| 60 | 28 | 26 | 39 | 43 | 50 | 47 | 70 | 69 | 54 | 47 | 36 | 26 | 26 |
| 61 | 34 | 37 | 40 | 47 | 55 | 57 | 68 | 70 | 57 | 41 | 31 | 31 | 31 |
| 62 | 24 | 30 | 33 | 49 | 50 | 53 | 69 | 64 | 62 | 50 | 36 | 31 | 24 |
| 63 | 21 | 36 | 36 | 43 | 53 | 55 | 71 | 70 | 64 | 34 | 49 | 30 | 21 |
| 64 | 24 | 28 | 32 | 40 | 43 | 58 | 75 | 69 | 61 | 47 | 32 | 29 | 24 |
| 65 | 33 | 32 | 31 | 41 | 44 | 56 | 74 | 65 | 50 | 46 | 37 | 33 | 31 |
| 66 | 29 | 30 | 30 | 45 | 56 | 61 | 72 | | 64 | 44 | 36 | 28 | |
| 67 | 26 | 34 | 36 | 42 | 47 | 59 | 74 | | 63 | 49 | 42 | 31 | |
| 68 | 31 | 39 | 40 | 41 | | 60 | 67 | 62 | 54 | 46 | 33 | 27 | |
| 69 | 33 | 33 | 31 | 48 | 50 | 65 | 67 | 74 | 64 | 47 | 39 | 32 | 31 |
| 70 | 27 | 34 | 39 | 40 | 49 | 57 | 69 | 76 | 58 | 42 | 36 | 34 | 27 |
| 71 | 29 | 30 | 28 | 44 | 50 | 57 | 70 | 72 | 58 | 32 | 38 | 32 | 24 |
| 72 | 29 | 32 | 41 | 44 | 54 | 69 | | | | | | | |
| | | | | | | | | | | | | | |
| MEAN | 29.3 | 31.9 | 35.6 | 42.7 | 50.2 | 58.7 | 69.2 | 67.9 | 58.8 | 45.0 | 33.3 | 29.9 | 27.3 |
| S D | 3.519 | 3.745 | 3.616 | 3.654 | 3.724 | 4.168 | 3.646 | 4.690 | 4.163 | 4.591 | 3.623 | 2.747 | 3.199 |
| TOTAL OBS. | 806 | 707 | 773 | 790 | 806 | 810 | 806 | 744 | 750 | 806 | 750 | 806 | 9376 |

1210 WS FORM JUL 64 0-88-5 (Det 50)

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

23111 LUKE AFB ARIZONA/PHOENIX 41-46, 51-72
STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

| MONTH / YEAR | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ALL MONTHS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46 | | 30<br>14 | | | | | | | | | 34<br>15 | | MIN TEMP<br>DAYS |
| 51 | | | | 46<br>14 | | | | | | | | | MIN TEMP<br>DAYS |
| 66 | | | | | | | | 72<br>30 | | | | | MIN TEMP<br>DAYS |
| 67 | | | | | | | | 72<br>30 | | | | | MIN TEMP<br>DAYS |
| 68 | | | | | 54<br>11 | | | | | | | | MIN TEMP<br>DAYS |
| 72 | | | | | | | 0 | | | | | | MIN TEMP<br>DAYS |
| | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | |
| MEAN | | | | | | | | | | | | | |
| S. D | | | | | | | | | | | | | |
| TOTAL OBS. | | | | | | | | | | | | | |

1210 WS FORM JUL 64 0-88.5 (Det 50)

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 41-46,51-72 YEARS | ALL MONTH

PAGE 1 | ALL HOURS (L. S. T.)

| Temp. (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 |
| 118/117 | | | | | | | | | | | | | | | | | .0 | 8 | 8 | | |
| 116/115 | | | | | | | | | | | | | | | | | .0 | 41 | 41 | | |
| 114/113 | | | | | | | | | | | | | | | | | .1 | 135 | 135 | | |
| 112/111 | | | | | | | | | | | | | | | | | .1 | 315 | 315 | | |
| 110/109 | | | | | | | | | | | | | | | .0 | | .3 | 719 | 720 | | |
| 108/107 | | | | | | | | | | | | | | .0 | .0 | .0 | .6 | 1428 | 1428 | | |
| 106/105 | | | | | | | | | | | .0 | .0 | .0 | .0 | .0 | .1 | .9 | 2270 | 2270 | | |
| 104/103 | | | | | | | | | | | .0 | .0 | .0 | .0 | .1 | .2 | 1.0 | 3095 | 3095 | | |
| 102/101 | | | | | | | | | | .0 | .0 | .0 | .0 | .1 | .3 | .3 | .9 | 3611 | 3613 | | |
| 100/ 99 | | | | | | | | | | .0 | .0 | .0 | .1 | .3 | .3 | .3 | .9 | 4467 | 4469 | | |
| 98/ 97 | | | | | | | | | .0 | .0 | .0 | .1 | .3 | .3 | .3 | .2 | .9 | 4847 | 4848 | | |
| 96/ 95 | | | | | | | | | .0 | .0 | .1 | .2 | .4 | .3 | .3 | .2 | .8 | 5541 | 5543 | | |
| 94/ 93 | | | | | | | .0 | .0 | .0 | .1 | .2 | .4 | .3 | .3 | .3 | .3 | .7 | 5784 | 5784 | | |
| 92/ 91 | | | | | | | .0 | .0 | .1 | .2 | .4 | .3 | .3 | .3 | .3 | .3 | .6 | 6192 | 6193 | | |
| 90/ 89 | | | | | | .0 | .0 | .1 | .2 | .4 | .4 | .3 | .3 | .3 | .4 | .5 | .4 | 7176 | 7178 | | |
| 88/ 87 | | | | | | .0 | .1 | .2 | .4 | .4 | .3 | .2 | .3 | .3 | .4 | .5 | .1 | 7238 | 7239 | | |
| 86/ 85 | | | | | .0 | .1 | .2 | .3 | .4 | .3 | .3 | .3 | .3 | .4 | .5 | .3 | .0 | 7831 | 7833 | 4 | |
| 84/ 83 | | | .0 | .0 | .0 | .2 | .3 | .3 | .3 | .2 | .3 | .3 | .4 | .5 | .5 | .2 | .0 | 7605 | 7609 | 3 | |
| 82/ 81 | | | .0 | .0 | .1 | .3 | .3 | .2 | .2 | .2 | .3 | .4 | .5 | .5 | .3 | .0 | .0 | 7813 | 7814 | 16 | |
| 80/ 79 | | .0 | .0 | .1 | .2 | .3 | .2 | .2 | .2 | .3 | .4 | .5 | .6 | .5 | .2 | .0 | | 8244 | 8245 | 68 | 3 |
| 78/ 77 | | .0 | .1 | .2 | .2 | .1 | .1 | .1 | .2 | .3 | .4 | .6 | .6 | .3 | .1 | .0 | | 7735 | 7736 | 822 | 4 |
| 76/ 75 | | .0 | .1 | .2 | .1 | .1 | | .2 | .3 | .4 | .6 | .7 | .5 | .2 | .0 | | | 7761 | 7764 | 3714 | 77 |
| 74/ 73 | .0 | .1 | .1 | .1 | .1 | .1 | .2 | .2 | .3 | .5 | .7 | .6 | .3 | .1 | .0 | | | 7361 | 7361 | 8594 | 422 |
| 72/ 71 | .0 | .0 | .1 | .1 | .1 | .1 | .2 | .3 | .4 | .6 | .7 | .5 | .2 | .0 | | | | 7262 | 7264 | 11589 | 1301 |
| 70/ 69 | .0 | .0 | .0 | .1 | .1 | .1 | .2 | .4 | .6 | .7 | .7 | .3 | .1 | .0 | | | | 7967 | 7969 | 11065 | 2533 |
| 68/ 67 | .0 | .0 | .0 | .1 | .1 | .2 | .3 | .5 | .7 | .7 | .5 | .2 | .0 | .0 | | | | 7538 | 7541 | 8882 | 3650 |
| 66/ 65 | .0 | .0 | .0 | .1 | .1 | .2 | .4 | .6 | .8 | .7 | .3 | .1 | .0 | | | | | 7996 | 7996 | 8526 | 4902 |
| 64/ 63 | | .0 | .1 | .1 | .2 | .3 | .5 | .7 | .7 | .5 | .2 | .0 | .0 | | | | | 7647 | 7647 | 8470 | 5520 |
| 62/ 61 | .0 | .0 | .1 | .1 | .2 | .4 | .6 | .7 | .7 | .3 | .1 | .0 | | | | | | 7689 | 7690 | 9714 | 6014 |
| 60/ 59 | .0 | .1 | .1 | .2 | .4 | .6 | .7 | .8 | .5 | .2 | .0 | .0 | | | | | | 8146 | 8148 | 11489 | 5579 |
| 58/ 57 | .0 | .1 | .2 | .3 | .4 | .7 | .7 | .6 | .4 | .1 | .0 | | | | | | | 7960 | 7960 | 12393 | 5246 |
| 56/ 55 | .0 | .2 | .3 | .3 | .5 | .7 | .7 | .5 | .2 | .1 | .0 | | | | | | | 8060 | 8061 | 13527 | 5631 |
| 54/ 53 | .0 | .2 | .3 | .4 | .6 | .7 | .6 | .3 | .1 | .0 | | | | | | | | 7528 | 7528 | 14309 | 5940 |
| 52/ 51 | .0 | .2 | .4 | .5 | .6 | .6 | .5 | .2 | .1 | .0 | | | | | | | | 6900 | 6902 | 14743 | 6269 |

| 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 | | | | | | | | | | | | |

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64
USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 41-46,51-72 YEARS | ALL MONTH

PAGE 2 | ALL HOURS (L. S. T.)

| Temp (F) | WET BULB TEMPERATURE DEPRESSION (F) 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 | TOTAL D.B. W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50/ 49 | .0 | .3 | .4 | .6 | .7 | .6 | .4 | .1 | .0 | | | | | | | | | 7119 | 7123 | 14608 | 7340 |
| 48/ 47 | .0 | .3 | .4 | .6 | .6 | .4 | .2 | .1 | .0 | | | | | | | | | 6122 | 6122 | 14194 | 7993 |
| 46/ 45 | .0 | .4 | .4 | .6 | .5 | .4 | .1 | .0 | .0 | | | | | | | | | 5674 | 5674 | 13130 | 9184 |
| 44/ 43 | .0 | .3 | .5 | .5 | .4 | .2 | .1 | .0 | | | | | | | | | | 4656 | 4656 | 11430 | 10506 |
| 42/ 41 | .0 | .3 | .4 | .4 | .3 | .2 | .0 | .0 | | | | | | | | | | 3850 | 3850 | 9680 | 11418 |
| 40/ 39 | .0 | .3 | .4 | .3 | .3 | .1 | .0 | .0 | | | | | | | | | | 3111 | 3111 | 7917 | 12772 |
| 38/ 37 | .0 | .2 | .2 | .3 | .1 | .0 | .0 | | | | | | | | | | | 2039 | 2039 | 6308 | 13836 |
| 36/ 35 | .0 | .2 | .2 | .2 | .1 | .0 | .0 | | | | | | | | | | | 1407 | 1407 | 4719 | 14912 |
| 34/ 33 | .0 | .1 | .1 | .1 | .0 | .0 | .0 | | | | | | | | | | | 802 | 802 | 3152 | 13724 |
| 32/ 31 | .0 | .1 | .0 | .0 | .0 | .0 | | | | | | | | | | | | 390 | 390 | 2038 | 13486 |
| 30/ 29 | .0 | .0 | .0 | .0 | .0 | .0 | | | | | | | | | | | | 203 | 203 | 1223 | 12223 |
| 28/ 27 | .0 | .0 | .0 | .0 | .0 | | | | | | | | | | | | | 76 | 76 | 581 | 9545 |
| 26/ 25 | | .0 | .0 | .0 | | | | | | | | | | | | | | 30 | 30 | 260 | 8970 |
| 24/ 23 | .0 | | .0 | .0 | | | | | | | | | | | | | | 10 | 10 | 151 | 7313 |
| 22/ 21 | | | .0 | | | | | | | | | | | | | | | 2 | 2 | 52 | 5642 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | 21 | 3522 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | 1 | 3290 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 2443 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 1740 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 1280 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 883 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 821 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 555 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 373 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 216 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 130 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 52 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 40 |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | 50 |
| -8/ -9 | | | | | | | | | | | | | | | | | | | | | 19 |
| -10/-11 | | | | | | | | | | | | | | | | | | | | | 14 |
| ~~-12/-13~~ | | | | | | | | | | | | | | | | | | | | | ~~0~~ |
| ~~-14/-15~~ | | | | | | | | | | | | | | | | | | | | | ~~2~~ |
| ~~-16/-17~~ | | | | | | | | | | | | | | | | | | | | | ~~2~~ |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC FORM 0-26 5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 41-46,51-72 YEARS | ALL MONTH

 | ALL HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| ~~-18/-19~~ | | | | | | | | | | | | | | | | | | | | | ~~3~~ |
| ~~-22/-23~~ | | | | | | | | | | | | | | | | | | | | | ~~2~~ |
| TOTAL | .3 | 3.4 | 5.2 | 6.4 | 7.1 | 7.7 | 7.9 | 7.7 | 7.7 | 7.3 | 6.9 | 6.2 | 5.5 | 4.7 | 4.2 | 3.5 | 8.3 | 227442<br>227401 | 227442 | 227402<br>227403 | |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 427145762 | 8644770 | 38.0 | 20.813 | 227393 | | | | | | | |
| Dry Bulb | 1222028765 | 16146067 | 71.0 | 18.258 | 227442 | | 27.6 | 4966.7 | 4088.6 | 3068.4 | 1225.3 | 8760 |
| Wet Bulb | 705014724 | 12391030 | 54.5 | 11.454 | 227403 | | 168.5 | 1706.8 | 504.3 | 1.3 | | 8760 |
| Dew Point | 407034735 | 9075975 | 39.9 | 14.160 | 227402 | 12.4 | 2810.6 | 305.6 | 19.4 | | | 8760 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
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AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,52-72 YEARS | JAN MONTH



ALL HOURS (L. S. T.)

| Temp. (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 | | | | 2 | 2 | | |
| 82/ 81 | | | | | | | | | | .0 | .0 | .0 | .0 | .0 | .0 | | | 11 | 11 | | |
| 80/ 79 | | | | | | | | | .0 | .0 | .0 | .0 | .1 | .0 | .0 | | | 28 | 28 | | |
| 78/ 77 | | | | | | | | | .0 | | | .1 | .1 | .0 | .0 | | | 40 | 40 | | |
| 76/ 75 | | | | | | | | | .0 | .0 | .1 | .1 | .2 | .0 | .0 | | | 94 | 94 | | |
| 74/ 73 | | | | | | .0 | .0 | .0 | .0 | .1 | .3 | .3 | .2 | .0 | | | | 193 | 193 | | |
| 72/ 71 | | | | | .0 | .0 | .0 | .0 | .2 | .4 | .4 | .5 | .1 | | | | | 300 | 300 | | |
| 70/ 69 | | | | | .0 | .0 | .1 | .2 | .4 | .6 | .6 | .3 | .1 | | | | | 419 | 419 | | |
| 68/ 67 | | | | .0 | .0 | .1 | .1 | .4 | .6 | .7 | .6 | .2 | .0 | | | | | 515 | 515 | | |
| 66/ 65 | | | | .0 | .1 | .1 | .3 | .6 | .7 | 1.0 | .5 | .1 | | | | | | 650 | 650 | 1 | |
| 64/ 63 | | | .0 | .1 | .1 | .3 | .5 | .6 | 1.0 | .7 | .2 | .1 | | | | | | 696 | 696 | 4 | |
| 62/ 61 | | .0 | .1 | .1 | .2 | .5 | .8 | .8 | 1.0 | .6 | .1 | .0 | | | | | | 811 | 811 | 13 | |
| 60/ 59 | | .1 | .2 | .1 | .4 | .7 | .8 | 1.0 | .8 | .3 | .0 | | | | | | | 887 | 887 | 78 | 4 |
| 58/ 57 | | .4 | .3 | .4 | .6 | 1.0 | .9 | 1.0 | .6 | .2 | .1 | | | | | | | 1055 | 1055 | 144 | 21 |
| 56/ 55 | | .7 | .3 | .7 | 1.0 | 1.1 | 1.0 | .9 | .3 | .3 | .0 | | | | | | | 1207 | 1207 | 407 | 118 |
| 54/ 53 | .0 | .6 | .4 | 1.1 | 1.2 | 1.1 | 1.3 | .6 | .3 | .1 | | | | | | | | 1286 | 1286 | 766 | 202 |
| 52/ 51 | .1 | .5 | .6 | 1.4 | 1.2 | 1.2 | 1.1 | .4 | .3 | | | | | | | | | 1323 | 1323 | 1117 | 214 |
| 50/ 49 | .0 | .7 | 1.2 | 1.5 | 1.3 | 1.2 | 1.0 | .3 | .1 | | | | | | | | | 1432 | 1432 | 1497 | 233 |
| 48/ 47 | .1 | 1.1 | 1.2 | 1.7 | 1.3 | 1.3 | .5 | .2 | .0 | | | | | | | | | 1414 | 1414 | 1904 | 362 |
| 46/ 45 | .1 | 1.2 | 1.7 | 1.8 | 1.4 | 1.0 | .3 | .1 | .0 | | | | | | | | | 1487 | 1487 | 2029 | 575 |
| 44/ 43 | .1 | 1.1 | 1.8 | 1.8 | 1.2 | .6 | .3 | .1 | | | | | | | | | | 1273 | 1273 | 1929 | 818 |
| 42/ 41 | .1 | 1.0 | 1.7 | 1.1 | 1.3 | .5 | .3 | .0 | | | | | | | | | | 1154 | 1154 | 1927 | 1045 |
| 40/ 39 | .1 | 1.0 | 1.6 | 1.1 | .8 | .4 | .1 | .0 | | | | | | | | | | 962 | 962 | 1836 | 1350 |
| 38/ 37 | .1 | .9 | .9 | 1.0 | .5 | .3 | .0 | | | | | | | | | | | 691 | 691 | 1643 | 1429 |
| 36/ 35 | .1 | .8 | .7 | .7 | .3 | .1 | .0 | | | | | | | | | | | 518 | 518 | 1288 | 1591 |
| 34/ 33 | .0 | .4 | .6 | .5 | .3 | .1 | .0 | | | | | | | | | | | 365 | 365 | 925 | 1343 |
| 32/ 31 | .0 | .3 | .2 | .3 | .1 | .1 | | | | | | | | | | | | 190 | 190 | 640 | 1425 |
| 30/ 29 | .0 | .2 | .0 | .3 | .1 | .0 | | | | | | | | | | | | 111 | 111 | 487 | 1340 |
| 28/ 27 | .0 | .0 | .1 | .1 | .0 | | | | | | | | | | | | | 43 | 43 | 254 | 1125 |
| 26/ 25 | | | .0 | .1 | | | | | | | | | | | | | | 19 | 19 | 133 | 1228 |
| 24/ 23 | | | .0 | .0 | | | | | | | | | | | | | | 9 | 9 | 96 | 1158 |
| 22/ 21 | | | .0 | | | | | | | | | | | | | | | 2 | 2 | 47 | 858 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | 21 | 517 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | 1 | 491 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ref. Hum. | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

DATA PROCESSING BRANCH
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AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,52-72 (YEARS) JAN (MONTH)



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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 344 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 244 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 214 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 214 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 184 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 173 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 126 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 80 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 52 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 27 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 20 |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | 28 |
| -8/ -9 | | | | | | | | | | | | | | | | | | | | | 11 |
| -10/-11 | | | | | | | | | | | | | | | | | | | | | 6 |
| ~~-12/-13~~ | | | | | | | | | | | | | | | | | | | | | ~~6~~ |
| ~~-14/-15~~ | | | | | | | | | | | | | | | | | | | | | ~~3~~ |
| ~~-16/-17~~ | | | | | | | | | | | | | | | | | | | | | ~~2~~ |
| ~~-18/-19~~ | | | | | | | | | | | | | | | | | | | | | ~~3~~ |
| ~~-22/-23~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| TOTAL | .9 | 11.0 | 14.0 | 15.4 | 13.5 | 11.6 | 9.3 | 7.3 | 6.4 | 5.0 | 2.9 | 1.7 | .7 | .1 | .0 | | | | 19187 | | 19187 |
| | | | | | | | | | | | | | | | | | | 19187 | | 19187 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 60391921 | 985989 | 51.4 | 22.512 | 19187 | | | | | | | |
| Dry Bulb | 52263998 | 982090 | 51.2 | 10.199 | 19187 | | 14.5 | 62.1 | 14.3 | 1.0 | | 744 |
| Wet Bulb | 35626498 | 813468 | 42.5 | 7.104 | 19187 | | 65.1 | | | | | 744 |
| Dew Point | 20955916 | 598280 | 31.2 | 10.950 | 19187 | 6.2 | 383.2 | | | | | 744 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
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# PSYCHROMETRIC SUMMARY

23111 — STATION
LUKE AFB ARIZONA/PHOENIX — STATION NAME
42-46, 52-72 — YEARS
FEB — MONTH
PAGE 1
ALL — HOURS (L. S. T.)

| Temp (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 |
| 92/ 91 | | | | | | | | | | | | | | | .0 | | | 2 | 2 | | |
| 90/ 89 | | | | | | | | | | | | | | .0 | | | | 2 | 2 | | |
| 88/ 87 | | | | | | | | | | | | .0 | .0 | | .0 | .0 | | 6 | 6 | | |
| 86/ 85 | | | | | | | | | | | .0 | | .0 | .0 | .1 | .0 | | 23 | 23 | | |
| 84/ 83 | | | | | | | | | | | .0 | .0 | .0 | .1 | .1 | .0 | | 46 | 46 | | |
| 82/ 81 | | | | | | | | .0 | .0 | .0 | .0 | .1 | .1 | .1 | .1 | .0 | | 90 | 90 | | |
| 80/ 79 | | | | | | | | | .0 | .0 | .1 | .2 | .2 | .3 | .0 | | | 137 | 137 | | |
| 78/ 77 | | | | | | | | .0 | .0 | .1 | .1 | .2 | .4 | .3 | .0 | | | 184 | 184 | | |
| 76/ 75 | | | | | | | | . | .1 | .1 | .2 | .4 | .5 | .2 | | | | 268 | 269 | | |
| 74/ 73 | | | | | | .0 | | .1 | .1 | .2 | .4 | .8 | .5 | .1 | | | | 389 | 389 | | |
| 72/ 71 | | | | | | .0 | .1 | .2 | .2 | .4 | .8 | .6 | .3 | .0 | | | | 451 | 451 | | |
| 70/ 69 | | | | | | .1 | .2 | .3 | .4 | .7 | .9 | .6 | .2 | .0 | | | | 582 | 583 | | |
| 68/ 67 | | | .0 | | .0 | .1 | .3 | .3 | .7 | 1.1 | .7 | .5 | .0 | .0 | | | | 629 | 629 | 2 | |
| 66/ 65 | | | .0 | .0 | .1 | .3 | .4 | .6 | 1.1 | 1.0 | .7 | .4 | | | | | | 778 | 778 | 6 | |
| 64/ 63 | | | .0 | .1 | .3 | .4 | .4 | .8 | 1.0 | .9 | .7 | .1 | | | | | | 813 | 813 | 16 | |
| 62/ 61 | | .0 | .0 | .3 | .4 | .5 | .5 | 1.1 | 1.0 | .8 | .4 | .0 | | | | | | 928 | 928 | 47 | 4 |
| 60/ 59 | | .0 | .2 | .5 | .5 | .6 | 1.0 | 1.1 | 1.0 | .8 | .1 | | | | | | | 994 | 994 | 150 | 4 |
| 58/ 57 | | .2 | .4 | .6 | .6 | .9 | 1.3 | 1.1 | 1.0 | .4 | .0 | | | | | | | 1121 | 1121 | 295 | 4 |
| 56/ 55 | .0 | .4 | .8 | .7 | .8 | 1.1 | 1.3 | 1.2 | .6 | .2 | | | | | | | | 1186 | 1186 | 624 | 34 |
| 54/ 53 | .0 | .5 | .9 | .8 | 1.0 | 1.2 | 1.3 | .9 | .4 | .0 | | | | | | | | 1193 | 1193 | 1005 | 154 |
| 52/ 51 | .0 | .6 | .9 | .8 | 1.2 | 1.1 | 1.1 | .6 | .2 | | | | | | | | | 1089 | 1090 | 1383 | 271 |
| 50/ 49 | .0 | .8 | .9 | 1.3 | 1.3 | 1.2 | .9 | .6 | .0 | | | | | | | | | 1211 | 1211 | 1623 | 390 |
| 48/ 47 | .0 | .8 | .8 | 1.3 | 1.2 | .9 | .7 | .3 | .0 | | | | | | | | | 1031 | 1031 | 1817 | 563 |
| 46/ 45 | .1 | .8 | .8 | 1.5 | 1.1 | .8 | .6 | .1 | | | | | | | | | | 976 | 976 | 1777 | 666 |
| 44/ 43 | .0 | .6 | 1.2 | 1.0 | .8 | .8 | .3 | .0 | | | | | | | | | | 816 | 816 | 1801 | 691 |
| 42/ 41 | .1 | .5 | .8 | 1.0 | .7 | .7 | .1 | | | | | | | | | | | 676 | 676 | 1653 | 683 |
| 40/ 39 | .1 | .6 | .8 | .7 | .7 | .4 | .0 | | | | | | | | | | | 574 | 574 | 1406 | 784 |
| 38/ 37 | .0 | .4 | .5 | .6 | .5 | .2 | | | | | | | | | | | | 376 | 376 | 1065 | 1081 |
| 36/ 35 | .0 | .3 | .5 | .4 | .3 | .0 | .0 | | | | | | | | | | | 258 | 258 | 857 | 1334 |
| 34/ 33 | .0 | .2 | .3 | .2 | .1 | .0 | | | | | | | | | | | | 148 | 148 | 610 | 1265 |
| 32/ 31 | .0 | .1 | .1 | .1 | .0 | | | | | | | | | | | | | 59 | 59 | 474 | 1267 |
| 30/ 29 | .0 | .0 | .1 | .0 | | | | | | | | | | | | | | 31 | 31 | 271 | 1105 |
| 28/ 27 | | .0 | .0 | .0 | | | | | | | | | | | | | | 9 | 9 | 121 | 995 |
| 26/ 25 | | .0 | .0 | | | | | | | | | | | | | | | 8 | 8 | 56 | 1009 |

| 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 | | | | | | | | | | | | |

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,52-72 YEARS | FEB MONTH



ALL HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | 24 | 918 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | 1 | 764 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 512 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 529 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 514 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 446 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 351 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 234 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 221 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 121 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 84 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 39 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 22 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 11 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 7 |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | 7 |
| ~~-10/-11~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| TOTAL | .5 | 6.6 | 10.1 | 11.9 | 11.8 | 11.3 | 10.8 | 9.2 | 8.0 | 6.8 | 5.2 | 4.0 | 2.2 | 1.1 | .4 | .1 | | | 17087 | | 17085 |
| | | | | | | | | | | | | | | | | | | 17084 | | 17084 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 42772701 | 765321 | 44,8 | 22,291 | 17084 | | | | | | | |
| Dry Bulb | 54109217 | 943425 | 55,2 | 10,873 | 17087 | | 4,2 | 110,6 | 45,1 | 9,1 | | 672 |
| Wet Bulb | 34562700 | 759026 | 44,4 | 7,012 | 17084 | | 37,3 | ,1 | | | | 672 |
| Dew Point | 18869813 | 526481 | 30,8 | 11,210 | 17085 | 1,9 | 360,2 | | | | | 672 |

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-45,52-72 YEARS | MAR MONTH



ALL HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | | | | |
| 96/ 95 | | | | | | | | | | | | | | | | | .0 | 2 | 2 | | |
| 94/ 93 | | | | | | | | | | | | | | | | | .1 | 11 | 11 | | |
| 92/ 91 | | | | | | | | | | | | | | | | .0 | .1 | 26 | 26 | | |
| 90/ 89 | | | | | | | | | | | | | | | .0 | .1 | .1 | 54 | 54 | | |
| 88/ 87 | | | | | | | | | | | | | .0 | .0 | .2 | .3 | .1 | 111 | 111 | | |
| 86/ 85 | | | | | | | | | | | | .0 | .1 | .2 | .4 | .3 | .1 | 181 | 181 | | |
| 84/ 83 | | | | | | | | | | | .0 | .0 | .2 | .4 | .5 | .2 | .0 | 246 | 246 | | |
| 82/ 81 | | | | | | | | | | .0 | .1 | .1 | .4 | .6 | .5 | .1 | .0 | 331 | 331 | | |
| 80/ 79 | | | | | | | | | | .0 | .1 | .3 | .9 | .9 | .3 | .0 | | 457 | 457 | | |
| 78/ 77 | | | | | | | | | .0 | .1 | .3 | .7 | 1.0 | .5 | .1 | .0 | | 523 | 523 | | |
| 76/ 75 | | | | | | | | .0 | .1 | .2 | .7 | .9 | .9 | .4 | .1 | | | 582 | 582 | | |
| 74/ 73 | | | | | | | | .1 | .2 | .6 | .9 | 1.0 | .7 | .2 | .0 | | | 669 | 669 | | |
| 72/ 71 | | | | | | | .1 | .1 | .5 | .8 | 1.0 | .9 | .4 | .1 | | | | 731 | 731 | | |
| 70/ 69 | | | | .0 | | .0 | .1 | .4 | .8 | 1.2 | 1.1 | .8 | .4 | .0 | | | | 869 | 869 | | |
| 68/ 67 | | | | | .0 | .1 | .3 | .6 | 1.0 | 1.0 | .9 | .5 | .1 | | | | | 826 | 826 | | |
| 66/ 65 | | | | .0 | .1 | .2 | .6 | .9 | 1.3 | 1.2 | .7 | .2 | .0 | | | | | 967 | 967 | | |
| 64/ 63 | | | | .0 | .1 | .4 | .8 | 1.1 | 1.3 | 1.1 | .5 | .1 | .0 | | | | | 1009 | 1009 | 13 | |
| 62/ 61 | | .0 | .0 | .1 | .3 | .7 | 1.0 | 1.2 | 1.3 | .8 | .3 | .0 | | | | | | 1069 | 1069 | 93 | |
| 60/ 59 | | .1 | .1 | .2 | .7 | .9 | 1.0 | 1.4 | 1.0 | .5 | .1 | .0 | | | | | | 1152 | 1153 | 325 | 2 |
| 58/ 57 | | .1 | .3 | .5 | .8 | 1.1 | 1.3 | 1.2 | .7 | .3 | .0 | | | | | | | 1180 | 1180 | 715 | 13 |
| 56/ 55 | .0 | .2 | .4 | .8 | 1.1 | 1.3 | 1.6 | .9 | .5 | .2 | .0 | | | | | | | 1283 | 1283 | 1275 | 29 |
| 54/ 53 | .0 | .1 | .7 | .9 | 1.2 | 1.4 | 1.1 | .8 | .3 | .1 | | | | | | | | 1203 | 1203 | 1632 | 76 |
| 52/ 51 | .0 | .3 | .8 | 1.0 | 1.2 | 1.2 | 1.0 | .3 | .2 | | | | | | | | | 1116 | 1116 | 1924 | 155 |
| 50/ 49 | .0 | .5 | 1.0 | 1.0 | 1.2 | 1.2 | .6 | .2 | .0 | | | | | | | | | 1077 | 1077 | 2131 | 250 |
| 48/ 47 | | .5 | .9 | .9 | 1.0 | .9 | .4 | .2 | .0 | | | | | | | | | 887 | 887 | 2201 | 461 |
| 46/ 45 | .1 | .6 | .5 | .8 | .7 | .6 | .2 | .0 | | | | | | | | | | 681 | 681 | 2159 | 686 |
| 44/ 43 | .1 | .5 | .5 | .6 | .5 | .4 | .1 | .0 | | | | | | | | | | 478 | 478 | 1838 | 947 |
| 42/ 41 | .0 | .3 | .5 | .4 | .4 | .2 | .0 | | | | | | | | | | | 349 | 349 | 1437 | 1169 |
| 40/ 39 | .0 | .3 | .3 | .3 | .3 | .1 | .0 | | | | | | | | | | | 231 | 231 | 1057 | 1234 |
| 38/ 37 | .0 | .1 | .2 | .1 | .1 | .1 | | | | | | | | | | | | 112 | 112 | 748 | 1284 |
| 36/ 35 | | .1 | .1 | .1 | .1 | .0 | | | | | | | | | | | | 56 | 56 | 479 | 1492 |
| 34/ 33 | | .0 | | .0 | .0 | | | | | | | | | | | | | 11 | 11 | 255 | 1429 |
| 32/ 31 | | .0 | .0 | .0 | .0 | | | | | | | | | | | | | 14 | 14 | 119 | 1445 |
| 30/ 29 | | .0 | .0 | | | | | | | | | | | | | | | 3 | 3 | 66 | 1445 |

| 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 | | | | | | | | | | | | |

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-45,52-72 YEARS | YEAR MONTH

PAGE 2 | ALL HOURS (L. S. T.)

| Temp (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| 28/ 27 | | | | | | | | | | | | | | | | | | 1 | 1 | 20 | 1264 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | 9 | 1101 |
| 24/ 23 | ~~0~~ | | | | | | | | | | | | | | | | | ~~1~~ | ~~1~~ | 3 | 920 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 725 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 502 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 550 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 367 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 280 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 202 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 134 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 126 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 74 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 70 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 35 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 15 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 3 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 5 |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | 7 |
| ~~-8/ -9~~ | | | | | | | | | | | | | | | | | | | | | ~~2~~ |
| ~~-10/ -11~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| TOTAL | .2 | 3.7 | 6.3 | 7.9 | 9.9 | 10.9 | 10.3 | 9.4 | 9.3 | 8.1 | 6.6 | 5.7 | 4.9 | 3.3 | 2.1 | 1.0 | .5 | 18499 | 18500 | 18499 | 18500 |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 36515683 | 725027 | 39.2 | 20.923 | 18497 | | | | | | | |
| Dry Bulb | 703[illegible]7296 | 1120380 | 60.6 | 11.522 | 18500 | | .8 | 226.0 | 128.4 | 48.3 | .5 | 744 |
| Wet Bulb | 42[illegible]254[illegible] | 874015 | 47.2 | 6.287 | 18499 | | 8.7 | | | | | 744 |
| Dew Point | 2[illegible]61[illegible] | 581735 | 31.9 | 9.914 | 18500 | 1.3 | 372.9 | | | | | 744 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# PSYCHROMETRIC SUMMARY

23111 STATION — LUKE AFB ARIZONA/PHOENIX STATION NAME — 42-46,51-72 YEARS — APR MONTH

PAGE 1 — ALL HOURS (L. S. T.)

| Temp (F) | WET BULB TEMPERATURE DEPRESSION (F) 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 | TOTAL D.B W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 102/101 | | | | | | | | | | | | | | | | | .0 | 3 | 3 | | |
| 100/ 99 | | | | | | | | | | | | | | | | .0 | .1 | 13 | 13 | | |
| 98/ 97 | | | | | | | | | | | | | | | .0 | .0 | .3 | 62 | 62 | | |
| 96/ 95 | | | | | | | | | | | | | | | .0 | .1 | .5 | 122 | 122 | | |
| 94/ 93 | | | | | | | | | | | | | .0 | .0 | .1 | .1 | .3 | 197 | 197 | | |
| 92/ 91 | | | | | | | | | | | | | .0 | .1 | .1 | .3 | .9 | 254 | 254 | | |
| 90/ 89 | | | | | | | | | | | | .0 | .1 | .2 | .2 | .6 | .9 | 381 | 381 | | |
| 88/ 87 | | | | | | | | | .0 | .0 | | .0 | .1 | .2 | .5 | 1.0 | .5 | 469 | 469 | | |
| 86/ 85 | | | | | | | | | | | .0 | .1 | .3 | .5 | 1.2 | 1.3 | .1 | 662 | 662 | | |
| 84/ 83 | | | | | | | | | | .0 | .1 | .3 | .4 | .9 | 1.3 | .5 | .0 | 685 | 685 | | |
| 82/ 81 | | | | | | | | | .0 | .1 | .2 | .4 | .8 | 1.1 | 1.1 | .1 | .0 | 724 | 724 | | |
| 80/ 79 | | | | | | | .0 | .0 | .0 | .2 | .4 | .5 | 1.1 | 1.4 | .7 | .0 | | 830 | 830 | | |
| 78/ 77 | | | | | | | | .0 | .1 | .4 | .6 | 1.0 | 1.4 | 1.0 | .1 | | | 887 | 887 | | |
| 76/ 75 | | | | | | .0 | .0 | .1 | .2 | .5 | .9 | 1.3 | 1.3 | .4 | .0 | | | 917 | 917 | | |
| 74/ 73 | | | | | | .0 | .1 | .1 | .3 | .7 | 1.3 | 1.4 | 1.0 | .1 | .0 | | | 926 | 926 | | |
| 72/ 71 | | | | | .0 | .0 | .1 | .3 | .6 | .9 | 1.3 | 1.3 | .4 | .0 | | | | 927 | 927 | 2 | |
| 70/ 69 | | | | .0 | .0 | .1 | .2 | .6 | .8 | 1.4 | 1.8 | .9 | .2 | .0 | | | | 1122 | 1122 | 10 | |
| 68/ 67 | | | | .0 | .1 | .1 | .4 | .8 | 1.0 | 1.8 | 1.2 | .3 | .1 | | | | | 1074 | 1074 | 42 | |
| 66/ 65 | | | .0 | .1 | .1 | .2 | .6 | 1.0 | 1.5 | 1.6 | .7 | .2 | .0 | | | | | 1161 | 1161 | 106 | |
| 64/ 63 | | | .0 | .1 | .2 | .4 | .9 | 1.3 | 1.7 | 1.2 | .3 | .1 | | | | | | 1163 | 1163 | 236 | 2 |
| 62/ 61 | | .0 | .1 | .1 | .3 | .5 | 1.0 | 1.4 | 1.3 | .6 | .1 | .0 | | | | | | 1016 | 1017 | 625 | 1 |
| 60/ 59 | | .0 | .1 | .2 | .4 | .9 | 1.3 | 1.7 | 1.0 | .3 | .1 | .0 | | | | | | 1148 | 1148 | 1106 | 6 |
| 58/ 57 | | .1 | .3 | .3 | .4 | .9 | 1.1 | 1.3 | .6 | .1 | .0 | | | | | | | 989 | 989 | 1640 | 37 |
| 56/ 55 | | .1 | .2 | .3 | .6 | 1.1 | 1.4 | .9 | .2 | .0 | | | | | | | | 921 | 921 | 2086 | 92 |
| 54/ 53 | | .1 | .3 | .3 | .5 | .9 | 1.0 | .4 | .1 | .0 | | | | | | | | 662 | 662 | 2235 | 122 |
| 52/ 51 | .0 | .1 | .2 | .3 | .3 | .6 | .7 | .2 | .0 | | | | | | | | | 536 | 536 | 2238 | 240 |
| 50/ 49 | .0 | .1 | .2 | .4 | .5 | .6 | .3 | .1 | .0 | | | | | | | | | 427 | 427 | 2176 | 405 |
| 48/ 47 | | .1 | .2 | .3 | .3 | .5 | .2 | .0 | | | | | | | | | | 312 | 312 | 1964 | 503 |
| 46/ 45 | | .1 | .1 | .2 | .2 | .3 | .1 | .0 | | | | | | | | | | 172 | 172 | 1607 | 648 |
| 44/ 43 | | .1 | .1 | .1 | .1 | .1 | .0 | .0 | | | | | | | | | | 108 | 108 | 1213 | 741 |
| 42/ 41 | | .0 | .0 | .1 | .0 | .0 | .0 | | | | | | | | | | | 37 | 37 | 757 | 941 |
| 40/ 39 | | .0 | | .0 | .0 | .0 | .0 | | | | | | | | | | | 9 | 9 | 465 | 1096 |
| 38/ 37 | | | | .0 | .0 | | | | | | | | | | | | | 4 | 4 | 251 | 1281 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 115 | 1484 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≥ 67 F | < 73 F | > 80 F | > 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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AIR WEATHER SERVICE/ .C

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | APR MONTH

PAGE 2 | ALL HOURS (L. S. T.)

| Temp (F) | WET BULB TEMPERATURE DEPRESSION (F) 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 | TOTAL D.B. W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 29 | 1573 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 13 | 1622 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | 3 | 1729 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 1 | 1491 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 1405 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 1096 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 786 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 519 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 386 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 282 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 161 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 99 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 54 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 29 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 30 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 16 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 8 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 9 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 2 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 1 |
| ~~-6/ -7~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| ~~-8/ -9~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| ~~-10/ -11~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| TOTAL | .0 | .9 | 1.9 | 2.7 | 4.4 | 7.5 | 9.3 | 10.2 | 9.6 | 9.7 | 9.1 | 8.0 | 7.2 | 6.1 | 5.5 | 4.1 | 4.0 | | 18921 | | 18920 |
| | | | | | | | | | | | | | | | | | | 18920 | | 18920 | |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | 22269419 | 568803 | 30.1 | 16.527 | 18919 | | | | | | | |
| Dry Bulb | 92[illegible]6349[illegible] | 1300210 | 69.7 | 11.981 | 18921 | | | 390.2 | 271.4 | 152.1 | 15.1 | 720 |
| Wet Bulb | 50.8[illegible]037 | 966473 | 51.1 | 6.131 | 18920 | | .6 | 2.1 | | | | 720 |
| Dew Point | 21^20099 | 615287 | 32.5 | 9.227 | 18920 | .6 | 371.0 | | | | | 720 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING
USAF ETAC
AIR WEATHER SERVICE/ AC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | MAY MONTH

PAGE 1 | ALL HOURS (L. S. T.)

| Temp (F) | WET BULB TEMPERATURE DEPRESSION (F) 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 | TOTAL D.B. W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 112/111 | | | | | | | | | | | | | | | | | .0 | 4 | 4 | | |
| 110/109 | | | | | | | | | | | | | | | | | .1 | 14 | 14 | | |
| 108/107 | | | | | | | | | | | | | | | | | .2 | 33 | 33 | | |
| 106/105 | | | | | | | | | | | | | | | | | .2 | 49 | 49 | | |
| 104/103 | | | | | | | | | | | | | | | | .0 | .5 | 93 | 93 | | |
| 102/101 | | | | | | | | | | | | | .6 | | | .2 | .8 | 163 | 163 | | |
| 100/ 99 | | | | | | | | | | | | | | | .0 | .0 | 1.6 | 318 | 318 | | |
| 98/ 97 | | | | | | | | | | | | | | .0 | .0 | .1 | 2.2 | 479 | 479 | | |
| 96/ 95 | | | | | | | | | | | | | | .1 | .2 | .2 | 3.2 | 722 | 724 | | |
| 94/ 93 | | | | | | | | | | | | | .0 | .1 | .2 | .5 | 3.0 | 768 | 768 | | |
| 92/ 91 | | | | | | | | | | | | .0 | .1 | .1 | .3 | 1.0 | 3.0 | 902 | 903 | | |
| 90/ 89 | | | | | | | | | | | .0 | .1 | .1 | .3 | .9 | 1.7 | 1.8 | 969 | 969 | | |
| 88/ 87 | | | | | | | | | | | .0 | .0 | .3 | .6 | 1.4 | 1.9 | .6 | 968 | 968 | | |
| 86/ 85 | | | | | | | .0 | | | .0 | .1 | .2 | .5 | 1.1 | 1.7 | 1.3 | .2 | 1009 | 1009 | | |
| 84/ 83 | | | | | | | | | .0 | .0 | .1 | .3 | .8 | 1.5 | 1.6 | .5 | .1 | 998 | 999 | | |
| 82/ 81 | | | | | | | | .0 | .1 | .1 | .2 | .7 | 1.4 | 1.7 | .9 | .2 | .1 | 1052 | 1052 | | |
| 80/ 79 | | | | | | .0 | .0 | .0 | .1 | .2 | .3 | 1.3 | 1.7 | 1.6 | .5 | .1 | | 1179 | 1180 | | |
| 78/ 77 | | | | | | .0 | .0 | .0 | .1 | .3 | .9 | 1.4 | 1.7 | .9 | .1 | .0 | | 1127 | 1127 | 1 | |
| 76/ 75 | | | | | .0 | .0 | .0 | .1 | .2 | .7 | 1.4 | 1.9 | 1.4 | .3 | .0 | | | 1201 | 1201 | | |
| 74/ 73 | | | | .0 | .0 | .0 | .1 | .1 | .4 | .9 | 1.6 | 1.6 | .6 | .1 | | | | 1070 | 1070 | 3 | |
| 72/ 71 | | | | .0 | .0 | .0 | .1 | .3 | .6 | 1.2 | 1.5 | 1.0 | .2 | .0 | | | | 1004 | 1004 | 9 | |
| 70/ 69 | | | .0 | .0 | | .1 | .2 | .5 | 1.1 | 1.6 | 1.5 | .5 | .1 | .0 | | | | 1116 | 1116 | 74 | 2 |
| 68/ 67 | | | .0 | .0 | .1 | .1 | .3 | .5 | 1.2 | 1.4 | .9 | .2 | .0 | | | | | 957 | 957 | 228 | |
| 66/ 65 | | .0 | .0 | .0 | .1 | .2 | .4 | .9 | 1.4 | 1.1 | .4 | .3 | | | | | | 909 | 909 | 526 | 1 |
| 64/ 63 | | .0 | .0 | .0 | .1 | .3 | .5 | 1.0 | .9 | .6 | .2 | .0 | | | | | | 750 | 750 | 1128 | 5 |
| 62/ 61 | | .0 | .1 | .1 | .1 | .3 | .7 | .8 | .7 | .3 | .1 | | | | | | | 627 | 627 | 1874 | 25 |
| 60/ 59 | | .0 | .1 | .1 | .2 | .3 | .6 | .8 | .5 | .2 | | | | | | | | 526 | 526 | 2486 | 30 |
| 58/ 57 | | .0 | .1 | .1 | .1 | .4 | .5 | .4 | .3 | .0 | | | | | | | | 349 | 349 | 2694 | 41 |
| 56/ 55 | | .1 | .1 | .1 | .1 | .3 | .5 | .3 | .1 | .0 | | | | | | | | 294 | 294 | 2550 | 93 |
| 54/ 53 | | .1 | .1 | .0 | .1 | .1 | .3 | .1 | .0 | | | | | | | | | 171 | 171 | 2398 | 177 |
| 52/ 51 | | .0 | .0 | .0 | .1 | .1 | .1 | .0 | .0 | | | | | | | | | 75 | 75 | 2168 | 225 |
| 50/ 49 | | .0 | | .0 | .1 | .0 | .1 | .0 | | | | | | | | | | 41 | 41 | 1526 | 346 |
| 48/ 47 | | | | .0 | .0 | .0 | .0 | .0 | | | | | | | | | | 13 | 13 | 1091 | 469 |
| 46/ 45 | | .0 | .0 | .0 | .0 | | .0 | | | | | | | | | | | 10 | 10 | 636 | 637 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/ MAC

# PSYCHROMETRIC SUMMARY

23111 — LUKE AFB ARIZONA/PHOENIX (STATION NAME) — 42-46,51-72 (YEARS) — MAY (MONTH)



ALL (HOURS G.M.T.)

| Temp (F) | WET BULB TEMPERATURE DEPRESSION (F) 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 | TOTAL D.B. W.B. Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44/ 43 | | | | | | | | | | | | | | | | | | 2 | 357 | 884 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | 190 | 1071 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | 55 | 1486 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | 24 | 1778 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | 11 | 1951 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | 3 | 2038 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 2017 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | 1877 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 1230 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | 1114 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | 793 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | 583 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | 317 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | 289 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | 199 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | 108 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | 69 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | 26 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | 37 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | 21 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | 9 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | 8 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | 4 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | 1 |
| ~~-6/ -7~~ | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| TOTAL | | .3 | .5 | .9 | 1.0 | 2.3 | 4.3 | 5.9 | 7.7 | 8.8 | 9.2 | 9.3 | 8.9 | 8.4 | 7.9 | 7.6 | 17.5 | | 19967 | | 19962 |
| | | | | | | | | | | | | | | | | | | 19962 | | 19962 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel Hum | 13507881 | 455595 | 22,8 | 12,482 | 19962 | | | | | | | |
| Dry Bulb | 24749511 | 1560019 | 78,1 | 11,96J | 19967 | | | 603,6 | 489,J | 341,2 | 98,6 | 744 |
| Wet Bulb | 5155 [illegible] | 1104324 | 55,4 | 5,646 | 19962 | | | 11,7 | ,1 | | | 744 |
| Dew Point | 2434[illegible]417 | 876147 | 33,9 | 8,512 | 19962 | ,2 | 324,4 | ,1 | | | | 744 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | JUN MONTH

PAGE 1 | ALL HOURS (L. S. T.)

| Temp (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 |
| 118/117 | | | | | | | | | | | | | | | | | .0 | 4 | 4 | | |
| 116/115 | | | | | | | | | | | | | | | | | .1 | 13 | 13 | | |
| 114/113 | | | | | | | | | | | | | | | | | .3 | 61 | 61 | | |
| 112/111 | | | | | | | | | | | | | | | | | .6 | 113 | 113 | | |
| 110/109 | | | | | | | | | | | | | | | | | 1.1 | 209 | 209 | | |
| 108/107 | | | | | | | | | | | | | | | | | 2.0 | 372 | 372 | | |
| 106/105 | | | | | | | | | | | | | | | | .0 | 2.6 | 502 | 502 | | |
| 104/103 | | | | | | | | | | | | | | | .0 | .1 | 3.3 | 621 | 621 | | |
| 102/101 | | | | | | | | | | | | | .0 | .0 | .0 | .1 | 3.6 | 719 | 719 | | |
| 100/ 99 | | | | | | | | | | | | | .0 | .1 | .2 | .3 | 4.4 | 956 | 956 | | |
| 98/ 97 | | | | | | | | | | | | .0 | .1 | .1 | .4 | .5 | 4.3 | 1004 | 1005 | | |
| 96/ 95 | | | | | | | | | | | .0 | .1 | .1 | .2 | .5 | .6 | 3.5 | 976 | 976 | | |
| 94/ 93 | | | | | | | | | | .0 | .0 | .1 | .3 | .4 | .5 | 1.2 | 2.7 | 999 | 999 | | |
| 92/ 91 | | | | | | | | | | .0 | .1 | .2 | .3 | .6 | .8 | 1.2 | 2.1 | 1014 | 1014 | | |
| 90/ 89 | | | | | | | | | .0 | .1 | .2 | .3 | .5 | .8 | 1.4 | 1.6 | 1.2 | 1155 | 1156 | | |
| 88/ 87 | | | | | | | .0 | .0 | .1 | .1 | .3 | .4 | .6 | 1.0 | 1.5 | 1.2 | .3 | 1079 | 1080 | | |
| 86/ 85 | | | | | | | .0 | .0 | .2 | .2 | .4 | .4 | .8 | 1.3 | 1.6 | .6 | .1 | 1075 | 1077 | | |
| 84/ 83 | | | | | | | .0 | .1 | .2 | .3 | .4 | .7 | 1.1 | 1.3 | 1.1 | .2 | .0 | 1014 | 1016 | | |
| 82/ 81 | | | | | .0 | .0 | .1 | .1 | .2 | .3 | .3 | 1.0 | 1.4 | .3 | .4 | .1 | | 1049 | 1050 | | |
| 80/ 79 | | | | | .0 | .1 | .1 | .1 | .2 | .4 | .8 | 1.2 | 1.6 | .9 | .1 | | | 1063 | 1063 | | |
| 78/ 77 | | | .0 | .0 | .1 | .0 | .1 | .1 | .2 | .4 | 1.0 | 1.5 | 1.1 | .4 | .0 | | | 930 | 931 | 2 | |
| 76/ 75 | | | .0 | .0 | .0 | .1 | .0 | .2 | .3 | .7 | 1.2 | 1.2 | .5 | .1 | | | | 864 | 864 | 40 | |
| 74/ 73 | | .0 | .0 | .0 | .0 | .1 | .1 | .1 | .3 | .9 | 1.2 | .9 | .3 | | | | | 756 | 756 | 194 | |
| 72/ 71 | | .0 | .0 | .0 | .0 | .0 | .1 | .2 | .6 | 1.0 | 1.0 | .5 | .0 | | | | | 675 | 675 | 497 | 5 |
| 70/ 69 | | .0 | .0 | .0 | .0 | .0 | .1 | .3 | .7 | .9 | .8 | .2 | .0 | | | | | 587 | 587 | 1064 | 20 |
| 68/ 67 | | | .0 | .1 | .0 | .0 | .2 | .4 | .7 | .8 | .3 | .0 | | | | | | 463 | 463 | 1409 | 48 |
| 66/ 65 | | | .0 | .0 | .0 | .0 | .1 | .4 | .7 | .4 | .0 | | | | | | | 329 | 329 | 1879 | 68 |
| 64/ 63 | | | .0 | .0 | | .0 | .1 | .4 | .4 | .2 | .0 | | | | | | | 200 | 200 | 2176 | 152 |
| 62/ 61 | | .0 | | | | .0 | .1 | .2 | .2 | .0 | | | | | | | | 128 | 128 | 2343 | 201 |
| 60/ 59 | | | | | .0 | .0 | .0 | .1 | .2 | .1 | .0 | | | | | | | 80 | 80 | 2430 | 234 |
| 58/ 57 | | | | | | .0 | .0 | .0 | .1 | .0 | | | | | | | | 34 | 34 | 2093 | 304 |
| 56/ 55 | | | | | | .0 | .0 | .0 | .0 | | | | | | | | | 7 | 7 | 1738 | 402 |
| 54/ 53 | | | | | | .0 | .0 | .0 | | | | | | | | | | 6 | 6 | 1310 | 515 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 883 | 551 |

| 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 | | | | | | | | | | | | |

FORM 70L-64 0-26-5 (OL A) USAFETAC

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | JUN MONTH



ALL HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 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 | TOTAL D.B. W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50/ 49 | | | | | | | | | | | | | | | | | | | | 605 | 714 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 261 | 780 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | 107 | 1028 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 23 | 1262 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | 3 | 1393 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 1643 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 1723 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 1728 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 1515 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 1319 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 1070 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 634 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 588 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 398 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 277 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 98 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 166 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 86 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 53 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 29 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 10 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 21 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 9 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 6 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 3 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 3 |
| TOTAL | | .1 | .1 | .2 | .3 | .6 | 1.3 | 3.0 | 5.0 | 6.7 | 8.4 | 8.8 | 8.7 | 8.5 | 8.5 | 7.8 | 32.0 | 19057 | 19066 | 19057 | 19056 |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. |
|---|---|---|---|---|---|
| Rel. Hum. | 1062955 | 398980 | 20,9 | 10,928 | 19055 |
| Dry Bulb | 146369280 | 1655140 | 86,8 | 11,867 | 19066 |
| Wet Bulb | 70402293 | 1152771 | 60,5 | 5,931 | 19057 |
| Dew Point | 30877892 | 743026 | 39,0 | 10,061 | 19056 |

Mean No. of Hours with Temperature

| Element (X) | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
|---|---|---|---|---|---|---|---|
| Rel. Hum. | | | 690,4 | 625,3 | 511,4 | 247,4 | 720 |
| Dry Bulb | | | 121,1 | 8,9 | | | 720 |
| Wet Bulb | ,1 | 180,2 | 2,8 | | | | 720 |
| Dew Point | | | | | | | 720 |

USAFETAC FORM 0-26-5 (OL A) 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | JUL MONTH



ALL HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL 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 |
| 118/117 | | | | | | | | | | | | | | | | | | .0 | 4 | 4 | | |
| 116/115 | | | | | | | | | | | | | | | | | | .1 | 26 | 26 | | |
| 114/113 | | | | | | | | | | | | | | | | | | .3 | 68 | 68 | | |
| 112/111 | | | | | | | | | | | | | | | | | | .8 | 169 | 169 | | |
| 110/109 | | | | | | | | | | | | | | | | .0 | | 1.8 | 366 | 367 | | |
| 108/107 | | | | | | | | | | | | | | | .0 | .0 | .1 | 3.2 | 645 | 645 | | |
| 106/105 | | | | | | | | | | | | | .0 | | | .1 | .6 | 4.2 | 964 | 964 | | |
| 104/103 | | | | | | | | | | | | .0 | .0 | .0 | .1 | .5 | 1.3 | 3.9 | 1174 | 1174 | | |
| 102/101 | | | | | | | | | | | | .0 | .0 | .1 | .6 | 1.4 | 1.4 | 2.7 | 1229 | 1230 | | |
| 100/ 99 | | | | | | | | | | | | .0 | .1 | .6 | 1.2 | 1.5 | 1.1 | 1.9 | 1269 | 1269 | | |
| 98/ 97 | | | | | | | | | .0 | .0 | .1 | .4 | 1.2 | 1.5 | 1.2 | .8 | 1.1 | | 1226 | 1226 | | |
| 96/ 95 | | | | | | | | | .0 | .1 | .5 | 1.3 | 1.7 | 1.3 | .7 | .6 | | | 1332 | 1332 | | |
| 94/ 93 | | | | | | | .0 | .0 | .1 | .3 | 1.0 | 1.7 | 1.5 | .8 | .7 | .4 | .3 | | 1313 | 1313 | | |
| 92/ 91 | | | | | | | | .1 | .2 | .8 | 1.6 | 1.5 | .8 | .7 | .4 | .3 | | | 1537 | 1538 | | |
| 90/ 89 | | | | | | | .0 | .3 | .8 | 1.7 | 2.0 | 1.1 | .8 | .5 | .4 | .2 | .1 | | 1405 | 1405 | | |
| 88/ 87 | | | | | | .0 | .2 | .6 | 1.4 | 1.5 | 1.2 | .7 | .6 | .4 | .3 | .1 | .0 | | 1419 | 1419 | 1 | |
| 86/ 85 | | | | | .0 | .2 | .6 | 1.1 | 1.7 | 1.1 | .8 | .6 | .4 | .3 | .2 | .1 | .0 | | 1172 | 1173 | 2 | |
| 84/ 83 | | | | .0 | .1 | .5 | 1.0 | 1.3 | .9 | .4 | .5 | .4 | .4 | .3 | .1 | .0 | | | 1002 | 1002 | 12 | |
| 82/ 81 | | | .0 | .1 | .4 | .8 | 1.2 | .8 | .5 | .4 | .3 | .2 | .2 | .2 | .0 | | | | 822 | 822 | 29 | |
| 80/ 79 | | .0 | .1 | .3 | .7 | .8 | .5 | .3 | .2 | .3 | .3 | .2 | .2 | .1 | | | | | 539 | 539 | 294 | 2 |
| 78/ 77 | | .0 | .4 | .5 | .5 | .2 | .2 | .1 | .2 | .2 | .2 | .2 | .1 | .0 | | | | | 395 | 395 | 1410 | 24 |
| 76/ 75 | | .1 | .5 | .4 | .2 | .1 | .1 | .1 | .1 | .2 | .2 | .1 | .0 | | | | | | 214 | 214 | 3338 | 131 |
| 74/ 73 | | .2 | .2 | .1 | .0 | .0 | .0 | .0 | .1 | .1 | .1 | .1 | .0 | | | | | | 95 | 93 | 4436 | 413 |
| 72/ 71 | .0 | .1 | .0 | .0 | .0 | | .0 | .1 | .1 | .1 | .1 | .0 | | | | | | | 47 | 47 | 3859 | 713 |
| 70/ 69 | | .0 | .0 | .0 | .0 | | .0 | .0 | .1 | .1 | .0 | .0 | | | | | | | 23 | 23 | 2206 | 1050 |
| 68/ 67 | | | .0 | | | | | .0 | .1 | .0 | .0 | | | | | | | | 11 | 11 | 1445 | 1512 |
| 66/ 65 | | | | | | | .0 | .0 | .0 | .0 | | | | | | | | | 1 | 1 | 916 | 1834 |
| 64/ 63 | | | | | | | .0 | | | | | | | | | | | | | | 665 | 2073 |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | | 473 | 1876 |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | | 335 | 1591 |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | | 182 | 1470 |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | | 129 | 1147 |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | | 50 | 941 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | | | |

| 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 | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 54 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | JUL MONTH

PAGE 2 | ALL HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | 14 | 876 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 3 | 735 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 682 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 583 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 524 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 419 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 298 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 274 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 185 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 152 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 105 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 54 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 51 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 32 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 27 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 9 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 7 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 3 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 2 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | .0 | .4 | 1.2 | 1.6 | 1.9 | 2.6 | 3.9 | 4.7 | 6.3 | 7.2 | 8.7 | 8.7 | 8.7 | 7.9 | 7.5 | 6.9 | 21.5 | 19799 | 19804 | 19799 | 19796 |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 27367954 | 658498 | 33.3 | 16.617 | 19799 | | | | | | | |
| Dry Bulb | 171231349 | 1832085 | 92.5 | 9.383 | 19804 | | | 743.5 | 737.3 | 681.1 | 368.4 | 744 |
| Wet Bulb | 95788393 | 1374003 | 69.4 | 4.692 | 19799 | | | 585.7 | 191.1 | .8 | | 744 |
| Dew Point | 64325725 | 1111543 | 56.1 | 2.830 | 19796 | | 16.6 | 87.7 | 5.9 | | | 744 |

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | AUG MONTH



ALL HOURS (L. S. T.)

| Temp (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 |
| 116/115 | | | | | | | | | | | | | | | | | .0 | 2 | 2 | | |
| 114/113 | | | | | | | | | | | | | | | | | .0 | 6 | 6 | | |
| 112/111 | | | | | | | | | | | | | | | | | .1 | 24 | 24 | | |
| 110/109 | | | | | | | | | | | | | | | | | .6 | 112 | 112 | | |
| 108/107 | | | | | | | | | | | | | | | | .0 | 1.3 | 260 | 260 | | |
| 106/105 | | | | | | | | | | | | | | .0 | .1 | .5 | 2.0 | 493 | 493 | | |
| 104/103 | | | | | | | | | | | | | .0 | .2 | .6 | 1.1 | 2.1 | 778 | 778 | | |
| 102/101 | | | | | | | | | | ~~.0~~ | | .0 | .2 | .8 | 1.3 | 1.3 | 1.3 | 950 | 951 | | |
| 100/ 99 | | | | | | | | | | .0 | .0 | .3 | .9 | 1.6 | 1.6 | .9 | .8 | 1159 | 1160 | | |
| 98/ 97 | | | | | | | | | | | .2 | .6 | 1.7 | 1.7 | 1.0 | .4 | .4 | 1181 | 1181 | | |
| 96/ 95 | | | | | | | | | .0 | .2 | .8 | 1.6 | 1.7 | 1.0 | .7 | .3 | .3 | 1275 | 1275 | | |
| 94/ 93 | | | | | | | | .0 | .2 | .6 | 1.5 | 1.8 | 1.1 | .7 | .3 | .2 | .1 | 1225 | 1225 | | |
| 92/ 91 | | | | | | | .0 | .1 | .5 | 1.2 | 2.0 | 1.4 | .7 | .3 | .2 | .1 | .0 | 1263 | 1263 | | |
| 90/ 89 | | | | | | .0 | .1 | .5 | 1.5 | 1.9 | 1.5 | .8 | .5 | .2 | .1 | .1 | .0 | 1409 | 1409 | | |
| 88/ 87 | | | | | | .1 | .5 | 1.3 | 2.0 | 1.6 | .9 | .5 | .2 | .2 | .1 | .0 | .0 | 1423 | 1423 | | |
| 86/ 85 | | | | | .0 | .3 | 1.2 | 2.0 | 1.8 | 1.1 | .7 | .3 | .1 | .1 | .1 | .0 | | 1525 | 1525 | | |
| 84/ 83 | | | .0 | .0 | .3 | 1.2 | 1.5 | 1.7 | 1.1 | .6 | .4 | .3 | .2 | .1 | .0 | | | 1424 | 1424 | ~~1~~ | |
| 82/ 81 | | | .0 | .2 | .5 | 1.6 | 1.7 | 1.1 | .5 | .3 | .3 | .2 | .1 | .0 | | | | 1347 | 1347 | 1 | |
| 80/ 79 | | | .2 | .8 | 1.4 | 1.3 | .9 | .6 | .3 | .2 | .2 | .1 | .0 | .0 | | | | 1166 | 1166 | 36 | ~~1~~ |
| 78/ 77 | | .1 | .6 | 1.2 | 1.0 | .6 | .4 | .2 | .3 | .2 | .2 | .1 | .0 | .0 | | | | 951 | 951 | 485 | 1 |
| 76/ 75 | | .2 | .7 | .8 | .4 | .3 | .2 | .1 | .2 | .2 | .1 | .0 | .0 | | | | | 644 | 645 | 1987 | 48 |
| 74/ 73 | .0 | .2 | .4 | .3 | .1 | .1 | .1 | .1 | .1 | .1 | .1 | .0 | .0 | | | | | 339 | 339 | 4148 | 266 |
| 72/ 71 | .0 | .1 | .1 | .1 | .0 | .0 | .1 | .1 | .1 | .1 | .0 | .0 | | | | | | 145 | 145 | 4770 | 772 |
| 70/ 69 | .0 | .1 | .1 | .0 | .0 | .0 | .1 | .1 | .1 | .0 | .0 | | | | | | | 107 | 107 | 3396 | 1483 |
| 68/ 67 | .0 | .1 | .0 | | | .0 | .0 | .0 | .0 | | .0 | | .0 | | | | | 48 | 49 | 1856 | 1906 |
| 66/ 65 | | .0 | | | | .0 | .1 | .0 | .0 | .0 | | | | | | | | 31 | 31 | 1036 | 2337 |
| 64/ 63 | | | | | .0 | .0 | .0 | .0 | | .0 | | | | | | | | 15 | 15 | 529 | 2284 |
| 62/ 61 | | | | | | .0 | .0 | .0 | | .0 | | | | | | | | 5 | 5 | 379 | 2230 |
| 60/ 59 | | | | | | | .0 | | | .0 | | | | | | | | 2 | 2 | 281 | 1862 |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | 171 | 1411 |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | 131 | 1076 |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 50 | 856 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 23 | 635 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | 7 | 490 |

| 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 | | | | | | | | | | | | |

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | AUG MONTH



ALL HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 7 | 375 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | 3 | 303 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 1 | 242 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | 1 | 221 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 159 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 113 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 86 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 65 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 38 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 23 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 6 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 5 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 10 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 2 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 1 |
| ~~10/ 9~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| ~~8/ 7~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| ~~0/ -1~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| TOTAL | .1 | .9 | 2.2 | 3.4 | 4.3 | 5.6 | 7.0 | 8.0 | 8.8 | 8.3 | 8.9 | 8.0 | 7.4 | 7.0 | 6.1 | 5.0 | 9.1 | 19309 | 19313 | 19309 | 19310 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 39732694 | 805352 | 41.7 | 17.834 | 19308 | | | | | | | |
| Dry Bulb | 156517841 | 1729723 | 89.6 | 9.100 | 19313 | | | 742.0 | 730.4 | 637.5 | 287.7 | 744 |
| Wet Bulb | 96411105 | 1361965 | 70.5 | 4.224 | 19309 | | | 642.7 | 256.5 | .2 | | 744 |
| Dew Point | 72071500 | 1169532 | 60.6 | 8.005 | 19310 | ~~.0~~ | 3.4 | 172.5 | 12.2 | | | 744 |

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64
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DATA PROCESSING BRANCH
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AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | SEP MONTH



ALL HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | | | | | |
| 112/111 | | | | | | | | | | | | | | | | | .0 | | 5 | 5 | | |
| 110/109 | | | | | | | | | | | | | | | | | .1 | | 18 | 18 | | |
| 108/107 | | | | | | | | | | | | | | .0 | | .0 | .6 | | 118 | 118 | | |
| 106/105 | | | | | | | | | | | ~~.0~~ | ~~.0~~ | .0 | .0 | | .0 | 1.3 | | 259 | 259 | | |
| 104/103 | | | | | | | | | | | ~~.0~~ | | .0 | .0 | .1 | .3 | 1.9 | | 428 | 428 | | |
| 102/101 | | | | | | | | | | | | | .0 | .1 | .3 | .6 | 1.9 | | 541 | 541 | | |
| 100/ 99 | | | | | | | | | | | | .1 | .1 | .4 | .6 | .8 | 1.8 | | 699 | 700 | | |
| 98/ 97 | | | | | | | | | | | .0 | .1 | .3 | .6 | .9 | .9 | 1.4 | | 778 | 778 | | |
| 96/ 95 | | | | | | | | | | | .1 | .4 | .7 | .9 | .9 | .8 | .9 | | 871 | 871 | | |
| 94/ 93 | | | | | | | | | .0 | .1 | .3 | .6 | .7 | .9 | .9 | .8 | .5 | | 888 | 888 | | |
| 92/ 91 | | | | | | | | | .1 | .3 | .6 | .8 | 1.0 | 1.0 | .9 | .4 | .3 | | 989 | 989 | | |
| 90/ 89 | | | | | | | | .1 | .3 | .7 | .9 | .8 | 1.0 | .9 | .6 | .2 | .2 | | 1047 | 1047 | | |
| 88/ 87 | | | | | | .0 | .1 | .2 | .7 | .8 | .9 | .9 | .9 | .6 | .2 | .2 | .1 | | 1032 | 1032 | | |
| 86/ 85 | | | | | .0 | .0 | .2 | .5 | .8 | .8 | 1.1 | .8 | .8 | .4 | .2 | .1 | .0 | | 1084 | 1084 | ~~3~~ | |
| 84/ 83 | | | | .0 | .0 | .2 | .5 | .7 | .9 | .9 | 1.1 | .8 | .5 | .2 | .1 | .0 | | | 1109 | 1109 | | |
| 82/ 81 | | | | .0 | .2 | .5 | .7 | .8 | .7 | 1.0 | .8 | .7 | .2 | .1 | .0 | .0 | | | 1121 | 1121 | 3 | |
| 80/ 79 | | | .0 | .1 | .4 | .7 | 1.0 | .8 | 1.0 | 1.1 | 1.0 | .5 | .2 | .1 | .0 | | | | 1287 | 1287 | 3 | ~~2~~ |
| 78/ 77 | | .0 | .0 | .4 | .5 | .7 | .8 | .8 | 1.0 | .9 | .7 | .3 | .1 | .0 | | .0 | | | 1185 | 1185 | 39 | ~~1~~ |
| 76/ 75 | | .0 | .2 | .5 | .7 | .8 | .7 | .9 | 1.0 | .8 | .4 | .2 | .1 | .0 | | | | | 1167 | 1167 | 266 | 4 |
| 74/ 73 | | .2 | .2 | .5 | .7 | .5 | .7 | .8 | .8 | .6 | .2 | .1 | .0 | .0 | | | | | 975 | 975 | 877 | 22 |
| 72/ 71 | .0 | .1 | .5 | .4 | .4 | .4 | .7 | .8 | .7 | .4 | .1 | .1 | .0 | | | | | | 882 | 883 | 1767 | 107 |
| 70/ 69 | .0 | .3 | .2 | .4 | .3 | .5 | .6 | .6 | .5 | .2 | .1 | .0 | | | | | | | 696 | 697 | 2413 | 296 |
| 68/ 67 | .0 | .1 | .2 | .2 | .3 | .5 | .5 | .5 | .3 | .2 | .0 | | | | | | | | 541 | 543 | 2610 | 571 |
| 66/ 65 | .0 | .0 | .1 | .2 | .3 | .4 | .5 | .3 | .2 | .1 | .0 | | | | | | | | 387 | 387 | 2512 | 826 |
| 64/ 63 | | .0 | .1 | .1 | .2 | .2 | .3 | .2 | .1 | .0 | | | | | | | | | 225 | 225 | 2043 | 1040 |
| 62/ 61 | | .0 | .1 | .1 | .1 | .2 | .2 | .1 | .0 | | | | | | | | | | 158 | 158 | 1686 | 1257 |
| 60/ 59 | | .0 | .0 | .0 | .1 | .1 | .2 | .1 | .0 | | | | | | | | | | 111 | 112 | 1417 | 1235 |
| 58/ 57 | | | .0 | .0 | .0 | .1 | .1 | .0 | | | | | | | | | | | 48 | 48 | 1098 | 1226 |
| 56/ 55 | | | .0 | .0 | .0 | .1 | .0 | .0 | | | | | | | | | | | 24 | 24 | 767 | 1370 |
| 54/ 53 | | .0 | .0 | .0 | | | .0 | | | | | | | | | | | | 6 | 6 | 546 | 1429 |
| 52/ 51 | | .0 | | | | | | | | | | | | | | | | | 3 | 3 | 281 | 1399 |
| 50/ 49 | | .0 | | | | | | | | | | | | | | | | | 1 | 1 | 221 | 1419 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | 92 | 1268 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 32 | 1193 |

| 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 | | | | | | | | | | | | |

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64 USAFETAC

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AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) SEP (MONTH)

PAGE 2 ALL (HOURS (L. S. T.))

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL 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 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 9 | 1052 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 835 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 591 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 450 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 336 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 211 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 154 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 142 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 93 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 69 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 40 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 14 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 12 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 13 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 5 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 1 |
| ~~10/ 9~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| ~~6/ 5~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| TOTAL | .1 | .8 | 1.6 | 2.8 | 4.2 | 5.9 | 7.8 | 8.2 | 9.1 | 8.8 | 8.5 | 7.2 | 6.9 | 6.4 | 5.8 | 5.1 | 10.9 | 18683 | 18689 | 18685 | 18685 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 32147190 | 701128 | 37.5 | 17.675 | 18684 | | | | | | | |
| Dry Bulb | 1337789 18 | 1567692 | 83.9 | 11.026 | 18689 | | | 682.9 | 601.1 | 451.4 | 177.4 | 720 |
| Wet Bulb | 78673872 | 1207384 | 64.6 | 5.922 | 18683 | | | 307.5 | 45.9 | .3 | | 720 |
| Dew Point | 52568055 | 974529 | 52.2 | 9.653 | 18685 | | 21.0 | 38.6 | 1.1 | | | 720 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | OCT MONTH

PAGE 1 | ALL HOURS (L. S. T.)

| Temp (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 |
| 106/105 | | | | | | | | | | | | | | | | | .0 | 3 | 3 | | |
| 104/103 | | | | | | | | | | | | | | | | | .0 | 1 | 1 | | |
| 102/101 | | | | | | | | | | | | | | | | .0 | .0 | 6 | 6 | | |
| 100/ 99 | | | | | | | | | | | | | .0 | .0 | .0 | .0 | .2 | 53 | 53 | | |
| 98/ 97 | | | | | | | | | | | | | .0 | | .0 | .2 | .3 | 117 | 117 | | |
| 96/ 95 | | | | | | | | | | | .0 | .0 | .0 | .0 | .2 | .4 | .5 | 241 | 241 | | |
| 94/ 93 | | | | | | | | | | | .0 | .0 | .1 | .2 | .5 | .5 | .6 | 363 | 363 | | |
| 92/ 91 | | | | | | | | | | .0 | .0 | .1 | .2 | .5 | .6 | .6 | .3 | 429 | 429 | | |
| 90/ 89 | | | | | | | | .0 | .0 | .1 | .1 | .2 | .4 | .6 | .6 | .8 | .3 | 613 | 613 | | |
| 88/ 87 | | | | | | | | .0 | .0 | .1 | .2 | .3 | .8 | .7 | .8 | .5 | .1 | 709 | 709 | | |
| 86/ 85 | | | | | | | .0 | .0 | .1 | .1 | .3 | .6 | .7 | 1.1 | .7 | .2 | .0 | 753 | 753 | | |
| 84/ 83 | | | | | | | .0 | .1 | .1 | .3 | .5 | .8 | 1.0 | .7 | .4 | .1 | | 746 | 746 | | |
| 82/ 81 | | | .0 | | | .0 | .1 | .1 | .3 | .5 | .8 | 1.0 | .9 | .5 | .2 | .0 | | 847 | 847 | | |
| 80/ 79 | | | .0 | .0 | .0 | .1 | .1 | .1 | .4 | .7 | 1.0 | .8 | .7 | .4 | .1 | .0 | | 864 | 864 | | |
| 78/ 77 | | | | .0 | .1 | .1 | .2 | .3 | .6 | .9 | .8 | .9 | .4 | .2 | .0 | .0 | | 870 | 870 | 1 | |
| 76/ 75 | | .0 | .0 | .1 | .1 | .2 | .3 | .6 | .9 | 1.0 | .9 | .6 | .3 | .1 | | | | 975 | 976 | 11 | 1 |
| 74/ 73 | .0 | .0 | .1 | .1 | .1 | .3 | .5 | .8 | .9 | 1.0 | .7 | .4 | .2 | .0 | | | | 978 | 978 | 34 | 3 |
| 72/ 71 | | .0 | .1 | .1 | .2 | .5 | .8 | 1.0 | 1.1 | 1.0 | .6 | .2 | .1 | .0 | | | | 1101 | 1102 | 108 | 4 |
| 70/ 69 | .0 | .1 | .2 | .2 | .4 | .7 | .9 | 1.2 | 1.2 | .8 | .5 | .2 | .0 | | | | | 1212 | 1212 | 249 | 19 |
| 68/ 67 | .0 | .2 | .2 | .2 | .5 | .8 | 1.1 | 1.2 | 1.2 | .7 | .2 | .1 | .0 | | | | | 1238 | 1238 | 528 | 75 |
| 66/ 65 | .0 | .2 | .2 | .5 | .6 | 1.0 | 1.3 | 1.3 | 1.3 | .4 | .1 | .0 | | | | | | 1254 | 1254 | 991 | 158 |
| 64/ 63 | | .1 | .3 | .4 | .5 | 1.0 | 1.2 | 1.2 | .6 | .2 | .1 | | | | | | | 1106 | 1106 | 1365 | 194 |
| 62/ 61 | .0 | .2 | .3 | .4 | .7 | 1.0 | 1.3 | 1.1 | .5 | .1 | .0 | | | | | | | 1068 | 1068 | 1774 | 215 |
| 60/ 59 | | .2 | .3 | .4 | .7 | 1.2 | 1.5 | .8 | .2 | .1 | .0 | | | | | | | 1056 | 1056 | 2291 | 275 |
| 58/ 57 | .0 | .3 | .2 | .4 | .7 | 1.2 | 1.1 | .4 | .1 | .1 | | | | | | | | 862 | 862 | 2089 | 467 |
| 56/ 55 | .0 | .2 | .3 | .3 | .8 | .9 | .6 | .2 | .1 | .0 | | | | | | | | 636 | 656 | 2010 | 704 |
| 54/ 53 | .0 | .1 | .1 | .3 | .6 | .5 | .4 | .1 | .0 | | | | | | | | | 446 | 446 | 1750 | 835 |
| 52/ 51 | | .0 | .2 | .3 | .3 | .2 | .2 | .1 | .0 | | | | | | | | | 264 | 264 | 1605 | 964 |
| 50/ 49 | .0 | .0 | .1 | .3 | .2 | .3 | .1 | .0 | | | | | | | | | | 210 | 210 | 1449 | 1297 |
| 48/ 47 | | .1 | .2 | .2 | .1 | .0 | .0 | .0 | | | | | | | | | | 126 | 126 | 1240 | 1430 |
| 46/ 45 | | .0 | .1 | .1 | .1 | .0 | .0 | | | | | | | | | | | 66 | 66 | 796 | 1483 |
| 44/ 43 | | .0 | .1 | .1 | .0 | .0 | | | | | | | | | | | | 36 | 36 | 472 | 1504 |
| 42/ 41 | | .0 | .0 | .0 | .0 | .0 | | | | | | | | | | | | 17 | 17 | 267 | 1467 |
| 40/ 39 | | .0 | | .0 | .0 | .0 | | | | | | | | | | | | 7 | 7 | 161 | 1508 |

| 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 | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS F ARE OBSOLETE

DATA PROCESSING BRANCH
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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | OCT MONTH

 ALL HOURS (L. S. T.)

| Temp. (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 |
| 38/ 37 | | | | .0 | .0 | | | | | | | | | | | | | 7 | 7 | 66 | 1513 |
| 36/ 35 | | | | .0 | .0 | | | | | | | | | | | | | 2 | 2 | 24 | 1312 |
| 34/ 33 | | | | .0 | | | | | | | | | | | | | | 2 | 2 | 6 | 1039 |
| 32/ 31 | | | | .0 | | | | | | | | | | | | | | 1 | 1 | 10 | 857 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | 4 | 616 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 3 | 373 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | 1 | 263 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 186 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 157 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 125 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 102 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 66 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 34 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 33 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 13 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 7 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 3 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 1 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 1 |
| 0/ -2 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | .1 | 1.8 | 3.1 | 4.6 | 6.8 | 10.2 | 11.7 | 10.7 | 9.2 | 7.7 | 6.9 | 6.2 | 5.9 | 5.1 | 4.4 | 3.3 | 2.4 | 19305 | 19307 | 19305 | 19305 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 35968837 | 754931 | 39.1 | 18.271 | 19303 | | | | | | | |
| Dry Bulb | 101597386 | 1381730 | 71.6 | 11.832 | 19307 | | .0 | 467.3 | 330.2 | 205.9 | 30.2 | 744 |
| Wet Bulb | 61094093 | 1077917 | 55.8 | 6.856 | 19305 | | .7 | 35.9 | 1.8 | | | 744 |
| Dew Point | 36660164 | 819356 | 42.4 | 9.880 | 19305 | .0 | 109.4 | 3.9 | .2 | | | 744 |

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | NOV MONTH



ALL HOURS (L. S. T.)

| Temp. (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 | | | | | | | | | | | | | | | | .0 | | 1 | 1 | | |
| 90/ 89 | | | | | | | | | | | | | | | .0 | .0 | .0 | 9 | 9 | | |
| 88/ 87 | | | | | | | | | | | | | | .0 | .1 | .1 | | 35 | 35 | | |
| 86/ 85 | | | | | | | | | | | .0 | .0 | .1 | .2 | .2 | .0 | | 98 | 98 | | |
| 84/ 83 | | | | | | | | | | .0 | .0 | .0 | .2 | .3 | .2 | .0 | .0 | 164 | 164 | | |
| 82/ 81 | | | | | | | | | | .0 | .0 | .1 | .5 | .4 | .2 | .0 | | 237 | 237 | | |
| 80/ 79 | | | | | | | | | .0 | .0 | .2 | .5 | .8 | .5 | .1 | .0 | | 384 | 384 | | |
| 78/ 77 | | | | | | | .0 | .0 | .1 | .1 | .4 | .8 | .6 | .3 | .1 | | | 439 | 439 | | |
| 76/ 75 | | | | | .0 | .0 | .0 | .1 | .1 | .3 | .9 | .7 | .5 | .2 | .0 | | | 506 | 506 | | |
| 74/ 73 | | | | | .0 | .0 | .1 | .2 | .3 | .7 | .9 | .7 | .4 | .1 | .0 | | | 632 | 632 | | |
| 72/ 71 | | | | .0 | .0 | .1 | .2 | .3 | .4 | .9 | .7 | .6 | .2 | .0 | | | | 638 | 638 | | |
| 70/ 69 | | | .0 | .0 | .1 | .1 | .2 | .5 | .9 | 1.0 | .9 | .3 | .1 | .0 | | | | 760 | 760 | | |
| 68/ 67 | | | .0 | .1 | .2 | .2 | .4 | .7 | 1.0 | .8 | .5 | .2 | .0 | | | | | 752 | 752 | 1 | |
| 66/ 65 | | .0 | .1 | .2 | .2 | .5 | .7 | .8 | 1.1 | .7 | .3 | .1 | .0 | | | | | 881 | 881 | 24 | |
| 64/ 63 | | .0 | .2 | .3 | .3 | .6 | .9 | 1.1 | .9 | .7 | .3 | .0 | | | | | | 961 | 961 | 44 | 9 |
| 62/ 61 | | .1 | .3 | .3 | .5 | .8 | 1.1 | 1.2 | 1.0 | .4 | .1 | .0 | | | | | | 1057 | 1057 | 204 | 8 |
| 60/ 59 | .0 | .2 | .3 | .5 | .8 | 1.1 | 1.4 | 1.3 | .7 | .2 | .1 | | | | | | | 1230 | 1230 | 476 | 51 |
| 58/ 57 | .0 | .3 | .6 | .6 | .8 | 1.3 | 1.7 | 1.2 | .5 | .1 | .0 | | | | | | | 1304 | 1304 | 924 | 122 |
| 56/ 55 | .0 | .4 | .6 | .7 | 1.1 | 1.6 | 1.5 | .9 | .3 | .0 | | | | | | | | 1320 | 1320 | 1369 | 185 |
| 54/ 53 | .0 | .3 | .7 | .8 | 1.4 | 1.5 | 1.2 | .6 | .2 | .0 | | | | | | | | 1253 | 1253 | 1617 | 278 |
| 52/ 51 | .0 | .4 | .7 | 1.1 | 1.6 | 1.5 | .8 | .3 | .2 | | | | | | | | | 1208 | 1208 | 1750 | 391 |
| 50/ 49 | .1 | .3 | .8 | 1.5 | 1.9 | 1.3 | .7 | .3 | .0 | | | | | | | | | 1234 | 1234 | 1828 | 467 |
| 48/ 47 | .0 | .3 | .9 | 1.3 | 1.3 | .6 | .3 | .1 | .0 | | | | | | | | | 870 | 870 | 1792 | 584 |
| 46/ 45 | .0 | .4 | .8 | 1.2 | 1.0 | .7 | .2 | .1 | | | | | | | | | | 779 | 779 | 1974 | 700 |
| 44/ 43 | .0 | .3 | .7 | .9 | .7 | .3 | .1 | | | | | | | | | | | 537 | 537 | 1775 | 938 |
| 42/ 41 | | .3 | .5 | .7 | .6 | .2 | .0 | | | | | | | | | | | 425 | 425 | 1486 | 1090 |
| 40/ 39 | .0 | .2 | .5 | .6 | .3 | .0 | .0 | | | | | | | | | | | 305 | 305 | 1089 | 1353 |
| 38/ 37 | .0 | .2 | .3 | .2 | .1 | .0 | .0 | | | | | | | | | | | 153 | 153 | 828 | 1564 |
| 36/ 35 | | .2 | .2 | .1 | .0 | .0 | | | | | | | | | | | | 89 | 89 | 579 | 1713 |
| 34/ 33 | | .1 | .1 | .0 | .0 | | | | | | | | | | | | | 39 | 39 | 333 | 1505 |
| 32/ 31 | .0 | .1 | .0 | .0 | | | | | | | | | | | | | | 18 | 18 | 162 | 1480 |
| 30/ 29 | | .0 | | | | | | | | | | | | | | | | 3 | 3 | 48 | 1285 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 12 | 962 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | 6 | 949 |

| 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 | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
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AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) NOV (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 757 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 577 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 357 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 292 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 193 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 139 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 105 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 73 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 68 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 45 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 31 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 17 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 14 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 5 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 6 |
| ~~-6/ -7~~ | | | | | | | | | | | | | | | | | | | | | ~~4~~ |
| ~~-8/ -9~~ | | | | | | | | | | | | | | | | | | | | | ~~2~~ |
| ~~-10/ -11~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| ~~-12/ -13~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| TOTAL | .2 | 4.2 | 8.3 | 10.8 | 12.9 | 12.4 | 11.5 | 9.6 | 7.8 | 6.1 | 5.3 | 4.2 | 3.4 | 2.0 | 1.0 | .2 | .0 | | 18321 | | 18321 |
| | | | | | | | | | | | | | | | | | | 18321 | | 18321 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 44155354 | 818452 | 44.7 | 20.358 | 18321 | | | | | | | |
| Dry Bulb | 65911111 | 1080113 | 59.0 | 11.041 | 18321 | | .8 | 182.9 | 98.4 | 28.9 | .0 | 720 |
| Wet Bulb | 42001279 | 868257 | 47.4 | 6.825 | 18321 | | 9.0 | .0 | | | | 720 |
| Dew Point | 23704584 | 633442 | 34.6 | 9.922 | 18321 | 1.3 | 289.4 | | | | | 720 |

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC FORM JUL 64

DATA PROCESSING BRANCH
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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 41-45,51-71 YEARS | DEC MONTH

PAGE 1 | ALL HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| 88/ 87 | | | | | | | | | | | | | | | | | .0 | 1 | 1 | | |
| 84/ 83 | | | | | | | | | | | | | | | | .0 | | 1 | 1 | | |
| 82/ 81 | | | | | | | | | | | | | .0 | | .0 | | | 2 | 2 | | |
| 80/ 79 | | | | | | | | | | | .0 | .0 | .1 | .1 | .0 | | | 27 | 27 | | |
| 78/ 77 | | | | | | | | | .0 | | .0 | .0 | .2 | .1 | | | | 60 | 60 | | |
| 76/ 75 | | | | | | | | .0 | .0 | .0 | .1 | .3 | .2 | .1 | .0 | | | 148 | 148 | | |
| 74/ 73 | | | | | | | .0 | .0 | .1 | .1 | .3 | .4 | .2 | .0 | | | | 220 | 220 | | |
| 72/ 71 | | | | | | | .0 | .1 | .2 | .3 | .5 | .4 | .1 | .0 | | | | 313 | 313 | | |
| 70/ 69 | | | | | | .0 | .1 | .1 | .3 | .6 | .7 | .3 | .1 | | | | | 450 | 450 | | |
| 68/ 67 | | | | | .0 | .1 | .1 | .2 | .5 | .7 | .6 | .2 | .0 | | | | | 472 | 472 | | |
| 66/ 65 | | | | .0 | .1 | .2 | .3 | .6 | .8 | .8 | .4 | .1 | .0 | | | | | 638 | 638 | | |
| 64/ 63 | | | .0 | .1 | .2 | .3 | .4 | .8 | .9 | .6 | .3 | .1 | | | | | | 708 | 708 | | |
| 62/ 61 | | .0 | .1 | .2 | .3 | .5 | .8 | .9 | 1.0 | .4 | .2 | .0 | | | | | | 822 | 822 | 11 | |
| 60/ 59 | | .0 | .2 | .4 | .5 | .7 | 1.1 | 1.0 | .7 | .3 | .1 | .0 | | | | | | 960 | 960 | 46 | |
| 58/ 57 | .0 | .1 | .3 | .6 | .6 | 1.0 | 1.1 | .8 | .5 | .2 | .0 | | | | | | | 1018 | 1018 | 195 | 9 |
| 56/ 55 | .1 | .5 | .5 | .5 | .9 | 1.3 | 1.1 | .8 | .3 | .0 | | | | | | | | 1162 | 1162 | 388 | 58 |
| 54/ 53 | .1 | .7 | .7 | .8 | 1.2 | 1.6 | 1.0 | .5 | .2 | .0 | | | | | | | | 1302 | 1302 | 861 | 149 |
| 52/ 51 | .1 | .7 | .7 | .9 | 1.4 | 1.4 | .9 | .4 | .1 | .0 | | | | | | | | 1286 | 1287 | 1321 | 283 |
| 50/ 49 | .1 | .8 | 1.2 | 1.3 | 1.7 | 1.5 | .8 | .3 | .0 | | | | | | | | | 1486 | 1490 | 1531 | 453 |
| 48/ 47 | .1 | 1.1 | 1.2 | 1.6 | 1.8 | 1.2 | .5 | .1 | .0 | | | | | | | | | 1469 | 1469 | 1822 | 463 |
| 46/ 45 | .1 | 1.3 | 1.3 | 2.0 | 1.7 | 1.0 | .4 | .0 | | | | | | | | | | 1503 | 1503 | 2010 | 583 |
| 44/ 43 | .1 | 1.4 | 1.7 | 1.8 | 1.5 | .6 | .2 | .0 | | | | | | | | | | 1406 | 1406 | 2012 | 844 |
| 42/ 41 | .1 | 1.0 | 1.6 | 1.7 | 1.3 | .4 | .1 | | | | | | | | | | | 1192 | 1192 | 1959 | 979 |
| 40/ 39 | .1 | 1.0 | 1.6 | 1.5 | .9 | .2 | .0 | | | | | | | | | | | 1023 | 1023 | 1848 | 1149 |
| 38/ 37 | .1 | .8 | 1.1 | 1.2 | .5 | .1 | | | | | | | | | | | | 696 | 696 | 1683 | 1322 |
| 36/ 35 | .0 | .6 | .8 | .8 | .3 | .0 | | | | | | | | | | | | 484 | 484 | 1366 | 1611 |
| 34/ 33 | .0 | .2 | .5 | .4 | .1 | .0 | | | | | | | | | | | | 237 | 237 | 1001 | 1556 |
| 32/ 31 | .0 | .2 | .2 | .1 | .0 | | | | | | | | | | | | | 108 | 108 | 620 | 1712 |
| 30/ 29 | .0 | .1 | .1 | .1 | | | | | | | | | | | | | | 55 | 55 | 344 | 1486 |
| 28/ 27 | .0 | .0 | .1 | .0 | | | | | | | | | | | | | | 23 | 23 | 170 | 1318 |
| 26/ 25 | | .0 | .0 | | | | | | | | | | | | | | | 3 | 3 | 55 | 1188 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | 28 | 1005 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | 4 | 872 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 553 |

| 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 | | | | | | | | | | | | |

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

DATA PROCESSING BRANCH
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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 41-45,51-71 YEARS | DEC MONTH

PAGE 2 | ALL HOURS (L. S. T.)

| Temp (F) | WET BULB TEMPERATURE DEPRESSION (F) 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 | TOTAL D.B.-W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 465 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 384 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 272 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 187 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 123 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 98 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 77 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 30 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 25 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 10 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 2 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 1 |
| ~~-6/ -7~~ | | | | | | | | | | | | | | | | | | | | | ~~2~~ |
| ~~-8/ -9~~ | | | | | | | | | | | | | | | | | | | | | ~~3~~ |
| ~~-10/-11~~ | | | | | | | | | | | | | | | | | | | | | ~~3~~ |
| TOTAL | .9 | 10.7 | 13.9 | 16.0 | 15.0 | 12.1 | 8.8 | 6.8 | 5.6 | 4.1 | 3.2 | 1.9 | .9 | .2 | .0 | .0 | .0 | 19275 | 19280 | 19275 | 19275 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | 61687376 | 1006694 | 52.2 | 21.738 | 19274 | | | | | | | |
| Dry Bulb | 53129392 | 993460 | 51.5 | 10.027 | 19280 | | 7.3 | 65.4 | 17.7 | .5 | | 744 |
| Wet Bulb | 36397545 | 827423 | 42.9 | 6.751 | 19275 | | 47.1 | | | | | 744 |
| Dew Point | 21717161 | 618667 | 32.1 | 9.823 | 19275 | .8 | 378.9 | | | | | 744 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
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AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,52-72 YEARS | JAN MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 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 | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 64/ 63 | | | .0 | | | | | | .1 | | | | | | | | | 3 | 3 | | |
| 62/ 61 | | | .1 | | | .0 | | | | | .0 | | | | | | | 4 | 4 | | |
| 60/ 59 | | .0 | .1 | | .2 | .1 | .1 | .1 | .0 | | | | | | | | | 16 | 16 | 1 | |
| 58/ 57 | | .7 | .3 | .3 | .1 | .3 | .1 | .3 | .2 | | | | | | | | | 54 | 54 | 3 | 1 |
| 56/ 55 | | .5 | .3 | .3 | .6 | .5 | .8 | .4 | .0 | | | | | | | | | 77 | 77 | 25 | 15 |
| 54/ 53 | .0 | .7 | .4 | 1.3 | 1.1 | .8 | .7 | .3 | .2 | | | | | | | | | 134 | 134 | 22 | 19 |
| 52/ 51 | .1 | .6 | 1.4 | 1.6 | 1.4 | 1.3 | 1.3 | .3 | .2 | | | | | | | | | 195 | 195 | 35 | 17 |
| 50/ 49 | .1 | .8 | 1.8 | 2.5 | 1.9 | 1.5 | 1.3 | .1 | .1 | | | | | | | | | 246 | 246 | 52 | 31 |
| 48/ 47 | .1 | 1.7 | 1.9 | 3.4 | 2.4 | 2.5 | 1.0 | .1 | | | | | | | | | | 312 | 312 | 132 | 27 |
| 46/ 45 | .1 | 2.2 | 2.9 | 3.3 | 2.6 | 2.4 | .3 | .0 | | | | | | | | | | 332 | 332 | 177 | 59 |
| 44/ 43 | .2 | 2.2 | 2.8 | 2.4 | 2.6 | 1.1 | .3 | .1 | | | | | | | | | | 278 | 278 | 280 | 111 |
| 42/ 41 | .2 | 1.9 | 2.4 | 1.8 | 1.9 | 1.0 | .5 | | | | | | | | | | | 233 | 233 | 302 | 135 |
| 40/ 39 | .2 | 1.7 | 2.2 | 1.9 | 1.4 | .5 | | | | | | | | | | | | 187 | 187 | 326 | 163 |
| 38/ 37 | .2 | 1.8 | 1.1 | 1.5 | .5 | .6 | | | | | | | | | | | | 135 | 135 | 338 | 189 |
| 36/ 35 | .0 | .8 | .9 | 1.1 | .7 | .0 | | | | | | | | | | | | 86 | 86 | 253 | 227 |
| 34/ 33 | .0 | .6 | .5 | .5 | .6 | .2 | | | | | | | | | | | | 57 | 57 | 162 | 176 |
| 32/ 31 | .0 | .3 | .3 | .3 | .2 | .2 | | | | | | | | | | | | 31 | 31 | 130 | 165 |
| 30/ 29 | | | | .2 | .2 | | | | | | | | | | | | | 8 | 8 | 68 | 163 |
| 28/ 27 | | | | .1 | .0 | | | | | | | | | | | | | 3 | 3 | 36 | 132 |
| 26/ 25 | | | | .0 | | | | | | | | | | | | | | 1 | 1 | 29 | 158 |
| 24/ 23 | | | | .0 | | | | | | | | | | | | | | 1 | 1 | 10 | 153 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | 10 | 106 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | 2 | 78 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 60 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 42 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 25 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 18 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 34 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 25 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 24 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 11 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 7 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 8 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 4 |

| Element (X) | $\Sigma_{X'}$ | $\Sigma_X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≤ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/ MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,52-72 YEARS | JAN MONTH

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

| Temp. (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 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 1 |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | 6 |
| -8/ -9 | | | | | | | | | | | | | | | | | | | | | 1 |
| -10/-11 | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | 1.2 | 16.5 | 19.1 | 22.7 | 18.4 | 13.2 | 6.2 | 1.8 | .9 | | .0 | | | | | | | 2393 | 2393 | 2393 | 2393 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 9592236 | 143688 | 60.0 | 20.080 | 2393 | | | | | | | |
| Dry Bulb | 5020788 | 108648 | 45.4 | 6.062 | 2393 | | 1.7 | | | | | 93 |
| Wet Bulb | 3819276 | 94522 | 39.5 | 5.986 | 2393 | | 11.1 | | | | | 93 |
| Dew Point | 2566945 | 74105 | 31.0 | 10.666 | 2393 | .9 | 47.5 | | | | | 93 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,52-72 YEARS | JAN MONTH

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

| Temp. (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 |
| 62/ 61 | | | | | | | | | | .1 | | | | | | | | 2 | 2 | | |
| 60/ 59 | | .5 | .2 | .1 | | .1 | .1 | .2 | .1 | .0 | | | | | | | | 31 | 31 | | |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | | |
| 56/ 55 | | 1.0 | .3 | .2 | .2 | .1 | .1 | .2 | | | | | | | | | | 53 | 53 | 19 | 6 |
| 54/ 53 | .0 | 1.0 | .1 | .5 | .5 | .2 | .4 | .2 | .0 | | | | | | | | | 73 | 73 | 29 | 23 |
| 52/ 51 | | .5 | 1.0 | 1.2 | .5 | .7 | .5 | .3 | .2 | | | | | | | | | 117 | 117 | 30 | 28 |
| 50/ 49 | .1 | .9 | 1.5 | 1.1 | 1.0 | .8 | 1.0 | | .1 | | | | | | | | | 155 | 155 | 29 | 25 |
| 48/ 47 | .1 | 1.4 | 1.3 | 2.7 | 1.5 | 1.2 | .5 | .1 | | | | | | | | | | 214 | 214 | 87 | 21 |
| 46/ 45 | .2 | 2.2 | 3.2 | 3.5 | 2.0 | 1.9 | .3 | | | | | | | | | | | 321 | 321 | 130 | 53 |
| 44/ 43 | .2 | 2.4 | 3.0 | 2.5 | 2.6 | 1.2 | .1 | .0 | | | | | | | | | | 287 | 287 | 160 | 86 |
| 42/ 41 | .1 | 2.4 | 3.2 | 2.5 | 2.3 | .8 | .2 | | | | | | | | | | | 284 | 284 | 279 | 102 |
| 40/ 39 | .4 | 2.9 | 3.7 | 2.2 | 2.0 | .5 | | | | | | | | | | | | 280 | 280 | 302 | 160 |
| 38/ 37 | .2 | 2.2 | 2.3 | 2.5 | 1.0 | .5 | | | | | | | | | | | | 211 | 211 | 341 | 161 |
| 36/ 35 | .1 | 2.2 | 1.3 | 1.6 | .7 | .2 | | | | | | | | | | | | 148 | 148 | 313 | 217 |
| 34/ 33 | .1 | .9 | 1.7 | 1.5 | .7 | .0 | | | | | | | | | | | | 118 | 118 | 241 | 191 |
| 32/ 31 | .0 | .9 | .4 | .5 | .1 | .2 | | | | | | | | | | | | 52 | 52 | 157 | 203 |
| 30/ 29 | .1 | .3 | .1 | 1.0 | .1 | | | | | | | | | | | | | 39 | 39 | 138 | 175 |
| 28/ 27 | | | .2 | .4 | .1 | | | | | | | | | | | | | 15 | 15 | 72 | 125 |
| 26/ 25 | | | | .2 | | | | | | | | | | | | | | 4 | 4 | 29 | 155 |
| 24/ 23 | | | .0 | | | | | | | | | | | | | | | 1 | 1 | 30 | 160 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | 12 | 127 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | 7 | 101 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 62 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 43 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 37 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 34 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 26 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 24 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 21 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 17 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 5 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 8 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 1 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 3 |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | 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 | | | | | | | | | | | | |

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,52-72 YEARS | JAN MONTH

PAGE 2 | 0300-0500 HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL 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 |
| ~~-13/-13~~ | | | | | | | | | | | | | | | | | | | | | | ~~2~~ |
| ~~-14/-15~~ | | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| TOTAL | 1.7 | 21.6 | 23.5 | 24.3 | 15.6 | 8.5 | 3.2 | 1.0 | .5 | .1 | | | | | | | | | 2405 | 2405 | 2405 | 2405 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 10691026 | 153170 | 63.7 | 19.731 | 2405 | | | | | | | |
| Dry Bulb | 4509146 | 103062 | 42.9 | 6.207 | 2405 | | 4.3 | | | | | 93 |
| Wet Bulb | 3532606 | 90954 | 37.8 | 6.215 | 2405 | | 17.2 | | | | | 93 |
| Dew Point | 2453143 | 72655 | 30.2 | 10.464 | 2405 | .7 | 51.5 | | | | | 93 |

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

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# PSYCHROMETRIC SUMMARY

23111 STATION — LUKE AFB ARIZONA/PHOENIX STATION NAME — 42-46,52-72 YEARS — JAN MONTH

PAGE 1 — 0600-0800 HOURS (L. S. T.)

| Temp. (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 | | | | | | | | | .0 | | | | | | | | | 1 | 1 | | |
| 58/ 57 | | .2 | | | .0 | .0 | | | .1 | | | | | | | | | 10 | 10 | 2 | |
| 56/ 55 | | 1.2 | .2 | .1 | .3 | .1 | .0 | .3 | | | | | | | | | | 54 | 54 | 7 | 4 |
| 54/ 53 | .0 | .9 | .2 | .6 | .1 | .1 | .4 | .2 | | | | | | | | | | 61 | 61 | 35 | 18 |
| 52/ 51 | .1 | .6 | .5 | 1.0 | .4 | .5 | .7 | .2 | .0 | | | | | | | | | 95 | 95 | 26 | 34 |
| 50/ 49 | .0 | .7 | 1.1 | 1.2 | .8 | .5 | .7 | .2 | | | | | | | | | | 128 | 128 | 27 | 18 |
| 48/ 47 | .1 | 1.7 | 1.2 | 1.4 | 1.2 | .7 | .2 | .1 | .1 | | | | | | | | | 159 | 159 | 78 | 22 |
| 46/ 45 | .1 | 1.9 | 2.3 | 2.5 | 1.5 | .7 | .3 | | | | | | | | | | | 221 | 221 | 103 | 55 |
| 44/ 43 | .4 | 2.2 | 3.9 | 2.5 | 2.0 | .9 | .1 | | | | | | | | | | | 292 | 292 | 131 | 65 |
| 42/ 41 | .2 | 2.2 | 4.4 | 2.3 | 2.8 | .3 | .3 | | | | | | | | | | | 299 | 299 | 207 | 92 |
| 40/ 39 | .4 | 2.3 | 4.5 | 3.1 | 1.6 | .5 | | | | | | | | | | | | 296 | 296 | 293 | 134 |
| 38/ 37 | .2 | 2.5 | 2.5 | 2.9 | 1.4 | .2 | .0 | | | | | | | | | | | 236 | 236 | 318 | 157 |
| 36/ 35 | .3 | 2.7 | 2.6 | 2.5 | .7 | .1 | | | | | | | | | | | | 212 | 212 | 317 | 176 |
| 34/ 33 | .2 | 1.5 | 2.3 | 1.5 | .7 | .0 | | | | | | | | | | | | 149 | 149 | 276 | 210 |
| 32/ 31 | .0 | 1.3 | 1.2 | .8 | .3 | .0 | | | | | | | | | | | | 89 | 89 | 201 | 215 |
| 30/ 29 | .1 | .9 | .2 | .9 | .1 | .1 | | | | | | | | | | | | 57 | 57 | 178 | 204 |
| 28/ 27 | .0 | .1 | .3 | .4 | .1 | | | | | | | | | | | | | 24 | 24 | 99 | 138 |
| 26/ 25 | | | .2 | .3 | | | | | | | | | | | | | | 14 | 14 | 37 | 169 |
| 24/ 23 | | | .3 | | | | | | | | | | | | | | | 7 | 7 | 36 | 164 |
| 22/ 21 | | | .1 | | | | | | | | | | | | | | | 2 | 2 | 22 | 146 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | 12 | 83 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | 1 | 74 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 49 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 36 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 32 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 26 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 33 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 18 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 13 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 7 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 7 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 1 |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | 3 |
| -10/ -11 | | | | | | | | | | | | | | | | | | | | | 1 |

| 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 | | | | | | | | | | | | |

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,52-72 YEARS | JAN MONTH

PAGE 2 | 0600-0800 HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 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 | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ~~-18/-19~~ | | | | | | | | | | | | | | | | | | | | | ~~2~~ |
| TOTAL | 2,222 | 928 | 124 | 14 | 4 | 2 | | | | | | | | | | | | 2406 | | 2406 | |
| | | | | | | | | | | | | | | | | | 2406 | | 2406 | | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | 11171718 | 157550 | 65.5 | 18.855 | 2406 | | | | | | | |
| Dry Bulb | 4230861 | 99685 | 41.4 | 6.472 | 2406 | | 7.5 | | | | | 93 |
| Wet Bulb | 3360190 | 88578 | 36.8 | 6.421 | 2406 | | 22.7 | | | | | 93 |
| Dew Point | 2375890 | 71472 | 29.7 | 10.252 | 2406 | .5 | 54.9 | | | | | 93 |

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,52-72 YEARS | JAN MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | | | | | |
| 76/ 75 | | | | | | | | | | | .0 | | | | | | | | 1 | 1 | | |
| 74/ 73 | | | | | | | | | | | .0 | | | | | | | | 1 | 1 | | |
| 72/ 71 | | | | | | | | | .1 | .1 | .0 | | | | | | | | 5 | 5 | | |
| 70/ 69 | | | | | | | | .1 | .1 | | .1 | .0 | .0 | | | | | | 10 | 10 | | |
| 68/ 67 | | | | | | | .0 | | .1 | .2 | .1 | .0 | | | | | | | 12 | 12 | | |
| 66/ 65 | | | | .0 | .1 | .1 | | .3 | .5 | .3 | .3 | .0 | | | | | | | 42 | 42 | | |
| 64/ 63 | | | | .1 | .0 | .2 | .4 | .5 | .7 | .5 | .1 | | | | | | | | 61 | 61 | | |
| 62/ 61 | | .0 | .2 | .2 | .0 | .6 | .8 | .7 | .9 | .7 | .1 | | | | | | | | 102 | 102 | | |
| 60/ 59 | | .1 | .5 | .0 | .5 | .9 | 1.2 | 1.3 | 1.3 | .5 | .0 | | | | | | | | 152 | 152 | 4 | |
| 58/ 57 | | .3 | .3 | .5 | 1.2 | 1.6 | 1.4 | 2.1 | .5 | .1 | .0 | | | | | | | | 197 | 197 | 13 | 3 |
| 56/ 55 | | .8 | .3 | 1.0 | 1.7 | 1.4 | 1.8 | 1.9 | .4 | .1 | | | | | | | | | 226 | 226 | 37 | 10 |
| 54/ 53 | .1 | .5 | .5 | 1.5 | 2.5 | 2.3 | 2.5 | .8 | .5 | .1 | | | | | | | | | 272 | 272 | 51 | 37 |
| 52/ 51 | | .4 | 1.0 | 2.0 | 1.8 | 1.6 | 2.0 | .7 | .1 | | | | | | | | | | 232 | 232 | 95 | 27 |
| 50/ 49 | .0 | .8 | 1.2 | 2.4 | 2.2 | 1.4 | 1.3 | .6 | .3 | | | | | | | | | | 245 | 245 | 171 | 16 |
| 48/ 47 | .2 | .8 | 1.7 | 2.1 | 1.7 | 1.8 | .6 | .3 | .1 | | | | | | | | | | 223 | 223 | 250 | 57 |
| 46/ 45 | .1 | .9 | 1.6 | 1.7 | 1.5 | 1.3 | .6 | .3 | | | | | | | | | | | 193 | 193 | 327 | 68 |
| 44/ 43 | .0 | .7 | 1.3 | 1.3 | 1.4 | .8 | .4 | | | | | | | | | | | | 141 | 141 | 353 | 96 |
| 42/ 41 | .1 | .3 | 1.3 | 1.0 | 1.4 | .6 | .1 | .1 | | | | | | | | | | | 118 | 118 | 311 | 154 |
| 40/ 39 | .1 | .2 | .8 | .6 | .5 | .3 | .1 | | | | | | | | | | | | 63 | 63 | 239 | 184 |
| 38/ 37 | | .2 | .4 | .4 | .2 | .3 | .2 | | | | | | | | | | | | 38 | 38 | 191 | 163 |
| 36/ 35 | .0 | .2 | .3 | .3 | .3 | .2 | .0 | | | | | | | | | | | | 32 | 32 | 139 | 194 |
| 34/ 33 | | .1 | .0 | .1 | .3 | .1 | | | | | | | | | | | | | 15 | 15 | 100 | 153 |
| 32/ 31 | | | | .2 | .0 | .0 | | | | | | | | | | | | | 7 | 7 | 47 | 187 |
| 30/ 29 | | | | .1 | .1 | | | | | | | | | | | | | | 5 | 5 | 19 | 154 |
| 28/ 27 | | | | .0 | | | | | | | | | | | | | | | 1 | 1 | 19 | 135 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 19 | 165 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 7 | 153 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 2 | 105 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | | 56 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | | 56 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | | 51 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | | 33 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | | 22 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | | 26 |

| 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 | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,52-72 YEARS | JAN MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 22 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 19 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 20 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 11 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 4 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 3 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 2 |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | 5 |
| ~~-12/-13~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| ~~-14/-15~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| ~~-16/-17~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| TOTAL | .3 | 6.3 | 11.7 | 15.7 | 17.4 | 15.6 | 13.5 | 9.8 | 5.6 | 2.6 | 1.0 | .1 | .0 | | | | | 2394 | 2394 | | 2394 |
| | | | | | | | | | | | | | | | | | | 2394 | | 2394 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 6972186 | 119774 | 50.0 | 20.235 | 2394 | | | | | | | |
| Dry Bulb | 6428241 | 122843 | 51.3 | 7.222 | 2394 | | .3 | 1.1 | .1 | | | 93 |
| Wet Bulb | 4456629 | 102299 | 42.7 | 5.969 | 2394 | | 4.4 | | | | | 93 |
| Dew Point | 2632871 | 74925 | 31.3 | 10.969 | 2394 | .7 | 47.9 | | | | | 93 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
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AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,52-72 YEARS | JAN MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL 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 |
| 82/ 81 | | | | | | | | | | | | .1 | .0 | .0 | | | | | 4 | 4 | | |
| 80/ 79 | | | | | | | | | | .0 | .0 | .1 | .1 | .1 | | | | | 9 | 9 | | |
| 78/ 77 | | | | | | | | | .0 | | | .1 | .1 | .1 | .0 | | | | 10 | 10 | | |
| 76/ 75 | | | | | | | | | .1 | .1 | .2 | .4 | .2 | .1 | .0 | | | | 29 | 29 | | |
| 74/ 73 | | | | | | | | .0 | .2 | .3 | .7 | .6 | .8 | .1 | | | | | 66 | 66 | | |
| 72/ 71 | | | | | | | .1 | .2 | .5 | 1.2 | .8 | 1.3 | .3 | | | | | | 105 | 105 | | |
| 70/ 69 | | | | | .1 | .2 | .2 | .4 | 1.0 | 1.6 | 2.0 | .7 | .2 | | | | | | 153 | 153 | | |
| 68/ 67 | | | | .0 | .2 | .1 | .3 | 1.2 | 1.7 | 2.0 | 1.7 | .4 | | | | | | | 185 | 185 | | |
| 66/ 65 | | | | .1 | .1 | .2 | .7 | 2.3 | 2.4 | 2.8 | 1.3 | .2 | | | | | | | 245 | 245 | | |
| 64/ 63 | | | .0 | .2 | .4 | .9 | 1.0 | 1.9 | 2.9 | 2.5 | .7 | .2 | | | | | | | 257 | 257 | 1 | |
| 62/ 61 | | .1 | .3 | .2 | .6 | 1.1 | 1.7 | 2.2 | 3.1 | 1.5 | .6 | .1 | | | | | | | 284 | 284 | 6 | |
| 60/ 59 | | | .2 | .2 | .8 | 1.5 | 1.5 | 2.0 | 1.9 | .8 | .1 | | | | | | | | 222 | 222 | 31 | 1 |
| 58/ 57 | | .2 | .4 | .3 | .7 | 1.7 | 1.8 | 1.4 | 1.2 | .4 | .2 | | | | | | | | 200 | 200 | 35 | 5 |
| 56/ 55 | | .4 | .4 | .7 | 1.0 | 1.4 | 1.1 | 1.2 | .9 | .6 | .0 | | | | | | | | 187 | 187 | 105 | 20 |
| 54/ 53 | | .3 | .5 | .8 | 1.0 | .9 | 1.1 | .7 | 1.0 | .2 | | | | | | | | | 154 | 154 | 210 | 29 |
| 52/ 51 | .0 | .3 | .2 | .4 | 1.0 | .8 | .7 | .6 | .7 | | | | | | | | | | 111 | 111 | 304 | 28 |
| 50/ 49 | .0 | .2 | .4 | .5 | .3 | .5 | .5 | .4 | .2 | | | | | | | | | | 75 | 75 | 396 | 42 |
| 48/ 47 | | .6 | .3 | .3 | .4 | .2 | .1 | .2 | | | | | | | | | | | 54 | 54 | 414 | 62 |
| 46/ 45 | | .2 | | .2 | .2 | .1 | .0 | .1 | | | | | | | | | | | 18 | 18 | 339 | 85 |
| 44/ 43 | | | .1 | .0 | | | .2 | .2 | | | | | | | | | | | 13 | 13 | 196 | 91 |
| 42/ 41 | | | .0 | | | .0 | .3 | .1 | | | | | | | | | | | 13 | 13 | 142 | 140 |
| 40/ 39 | | | | | | .0 | .1 | .1 | | | | | | | | | | | 6 | 6 | 87 | 149 |
| 38/ 37 | | | | | | .0 | | | | | | | | | | | | | 1 | 1 | 73 | 187 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 26 | 181 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 8 | 136 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 8 | 176 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 14 | 152 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 6 | 159 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | | 155 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | | 136 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | | 98 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | | 49 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | | 74 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | | 47 |

| 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 | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) 3/1 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,52-72 YEARS | JAN MONTH

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

| Temp. (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 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 40 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 29 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 20 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 17 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 24 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 22 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 17 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 9 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 5 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 5 |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | 3 |
| -8/ -9 | | | | | | | | | | | | | | | | | | | | | 3 |
| -10/-11 | | | | | | | | | | | | | | | | | | | | | 4 |
| ~~-12/-13~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| TOTAL | .1 | 2.5 | 2.8 | 4.2 | 7.0 | 9.9 | 11.6 | 15.1 | 17.7 | 14.1 | 8.5 | 4.2 | 1.5 | .5 | .1 | | | 2401 | 2401 | 2401 | 2401 |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 3915173 | 86413 | 36.0 | 18.316 | 2401 | | | | | | | |
| Dry Bulb | 9104333 | 146841 | 61.2 | 7.182 | 2401 | | | 21.7 | 4.6 | .3 | | 93 |
| Wet Bulb | 5510684 | 114330 | 47.6 | 5.266 | 2401 | | 1.1 | | | | | 93 |
| Dew Point | 2665563 | 74927 | 31.2 | 11.679 | 2401 | 1.2 | 48.2 | | | | | 93 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,52-72 YEARS | JAN MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | | | | |
| 86/ 85 | | | | | | | | | | | | | | .1 | | | | 2 | 2 | | |
| 82/ 81 | | | | | | | | | | .0 | .0 | .1 | .0 | .0 | .0 | | | 7 | 7 | | |
| 80/ 79 | | | | | | | | | .0 | | .0 | .2 | .3 | .1 | .1 | | | 18 | 18 | | |
| 78/ 77 | | | | | | | | | .0 | | | .4 | .4 | .3 | .2 | | | 30 | 30 | | |
| 76/ 75 | | | | | | | | | .1 | .1 | .4 | .7 | 1.0 | .2 | | | | 63 | 63 | | |
| 74/ 73 | | | | | | .0 | .1 | .0 | .1 | .5 | 1.8 | 1.5 | 1.0 | .0 | | | | 124 | 124 | | |
| 72/ 71 | | | | | .0 | .0 | | .1 | .7 | 1.7 | 1.9 | 2.5 | .6 | | | | | 180 | 180 | | |
| 70/ 69 | | | | | | .1 | .3 | .7 | 2.0 | 2.3 | 2.3 | 1.7 | .3 | | | | | 233 | 233 | | |
| 68/ 67 | | | | | .2 | .3 | .3 | 1.3 | 2.5 | 2.5 | 3.1 | .8 | .1 | | | | | 265 | 265 | | |
| 66/ 65 | | | | .2 | .1 | .3 | 1.0 | 1.3 | 2.4 | 3.5 | 1.8 | .6 | | | | | | 271 | 271 | 1 | |
| 64/ 63 | | | .2 | .2 | .3 | .8 | 1.3 | 1.5 | 2.3 | 2.0 | .9 | .1 | | | | | | 227 | 227 | 3 | |
| 62/ 61 | | .0 | .2 | .3 | .2 | .7 | 1.5 | 1.6 | 1.9 | 1.8 | .3 | | | | | | | 205 | 205 | 6 | |
| 60/ 59 | | .1 | .1 | .3 | .4 | 1.1 | 1.4 | 1.6 | 1.3 | .9 | .2 | | | | | | | 178 | 178 | 32 | 2 |
| 58/ 57 | | .2 | .4 | .8 | .6 | 1.5 | 1.3 | .5 | .8 | 1.1 | .3 | | | | | | | 179 | 179 | 48 | 6 |
| 56/ 55 | | .4 | .1 | .6 | .4 | .9 | .7 | .7 | .7 | 1.1 | | | | | | | | 135 | 135 | 150 | 20 |
| 54/ 53 | | .3 | .3 | .4 | .8 | .6 | 1.0 | .7 | .4 | .2 | | | | | | | | 112 | 112 | 288 | 25 |
| 52/ 51 | | .2 | .3 | .2 | .3 | .7 | .7 | .2 | .2 | | | | | | | | | 67 | 67 | 368 | 31 |
| 50/ 49 | | .3 | .4 | .2 | .3 | .3 | .2 | .1 | .1 | | | | | | | | | 41 | 41 | 418 | 37 |
| 48/ 47 | | .5 | .2 | .1 | .2 | .0 | | .1 | .0 | | | | | | | | | 28 | 28 | 394 | 54 |
| 46/ 45 | .0 | .2 | .0 | .1 | | | .2 | .0 | .0 | | | | | | | | | 15 | 15 | 258 | 74 |
| 44/ 43 | | .1 | | .0 | | | .2 | .5 | | | | | | | | | | 19 | 19 | 160 | 99 |
| 42/ 41 | | | | | | | .0 | | | | | | | | | | | 1 | 1 | 99 | 112 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | 100 | 154 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 38 | 174 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 9 | 193 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 9 | 163 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 8 | 159 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | 11 | 155 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 145 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 145 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 170 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 103 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 59 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 77 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ref. Hum. | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,52-72 YEARS | JAN MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 48 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 29 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 28 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 23 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 23 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 28 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 24 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 16 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 3 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 5 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 3 |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | 6 |
| -8/ -9 | | | | | | | | | | | | | | | | | | | | | 1 |
| -10/-11 | | | | | | | | | | | | | | | | | | | | | 1 |
| ~~-12/-13~~ | | | | | | | | | | | | | | | | | | | | | ~~2~~ |
| ~~-14/-15~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| ~~-16/-17~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| TOTAL | .0 | 2.2 | 2.2 | 3.4 | 3.7 | 7.3 | 10.1 | 10.9 | 15.8 | 18.0 | 13.0 | 8.6 | 3.8 | .7 | .3 | | | | 2400 | | 2400 |
| | | | | | | | | | | | | | | | | | | 2400 | | 2400 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 3337693 | 78591 | 32.7 | 17.847 | 2400 | | | | | | | |
| Dry Bulb | 9264960 | 152868 | 63.7 | 7.305 | 2400 | | | 35.7 | 9.5 | .7 | | 93 |
| Wet Bulb | 5745037 | 116807 | 48.7 | 5.046 | 2400 | | .7 | | | | | 93 |
| Dew Point | 2610702 | 74076 | 30.9 | 11.628 | 2400 | .9 | 48.7 | | | | | 93 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,52-72 (YEARS) JAN (MONTH)

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

| Temp. (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 | | | | | | | | | | | | .0 | | | | | | 1 | 1 | | |
| 76/ 75 | | | | | | | | | | .0 | | | | | | | | 1 | 1 | | |
| 74/ 73 | | | | | | | | | | .0 | | | .0 | | | | | 2 | 2 | | |
| 72/ 71 | | | | | | | .0 | | .1 | .1 | .1 | | | | | | | 10 | 10 | | |
| 70/ 69 | | | | | | | | | .2 | .5 | .2 | .1 | | | | | | 23 | 23 | | |
| 68/ 67 | | | | | .0 | .2 | | .4 | .6 | .8 | .1 | .0 | | | | | | 53 | 53 | | |
| 66/ 65 | | | | .0 | .2 | .2 | .4 | 1.0 | .6 | 1.0 | .3 | .0 | | | | | | 91 | 91 | | |
| 64/ 63 | | | .0 | .2 | .1 | .6 | 1.0 | 1.2 | 1.3 | .9 | .1 | .1 | | | | | | 136 | 136 | | |
| 62/ 61 | | .1 | .3 | .2 | .4 | 1.3 | 2.0 | 1.5 | 1.6 | .5 | .1 | .0 | | | | | | 191 | 191 | 1 | |
| 60/ 59 | | .3 | .4 | .5 | 1.0 | 1.8 | 2.3 | 2.5 | 1.6 | .5 | | | | | | | | 257 | 257 | 9 | 1 |
| 58/ 57 | | .4 | .4 | .7 | 1.5 | 2.0 | 2.0 | 3.0 | 1.0 | .3 | .0 | | | | | | | 268 | 268 | 29 | 3 |
| 56/ 55 | | .5 | .5 | 1.4 | 2.0 | 2.7 | 2.5 | 1.6 | .6 | .1 | | | | | | | | 284 | 284 | 41 | 25 |
| 54/ 53 | .1 | .3 | .7 | 1.7 | 1.7 | 2.0 | 2.3 | 1.0 | .4 | | | | | | | | | 242 | 242 | 103 | 28 |
| 52/ 51 | .1 | .7 | .9 | 2.3 | 2.2 | 1.7 | 1.5 | .4 | .5 | | | | | | | | | 244 | 244 | 191 | 28 |
| 50/ 49 | | .8 | 1.0 | 1.3 | 1.6 | 1.3 | 1.2 | .9 | .2 | | | | | | | | | 198 | 198 | 280 | 34 |
| 48/ 47 | .2 | .7 | 1.1 | 1.0 | .8 | .9 | .7 | .3 | | | | | | | | | | 137 | 137 | 357 | 68 |
| 46/ 45 | .1 | .5 | 1.1 | 1.0 | .9 | .5 | .5 | .2 | | | | | | | | | | 115 | 115 | 391 | 97 |
| 44/ 43 | | .3 | .4 | .5 | .3 | .4 | .4 | .0 | | | | | | | | | | 55 | 55 | 338 | 134 |
| 42/ 41 | | .1 | .4 | .6 | .3 | .4 | .1 | .0 | | | | | | | | | | 48 | 48 | 244 | 160 |
| 40/ 39 | | | .3 | .1 | .1 | .3 | .1 | | | | | | | | | | | 23 | 23 | 142 | 216 |
| 38/ 37 | | | .0 | .0 | .1 | .2 | .1 | | | | | | | | | | | 10 | 10 | 110 | 184 |
| 36/ 35 | | | | .1 | .0 | .1 | | | | | | | | | | | | 5 | 5 | 79 | 201 |
| 34/ 33 | | | | | .0 | .0 | | | | | | | | | | | | 2 | 2 | 33 | 168 |
| 32/ 31 | | | | | .0 | | | | | | | | | | | | | 1 | 1 | 25 | 154 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | 13 | 161 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 5 | 143 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | 4 | 146 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | 2 | 101 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 84 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 44 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 50 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 31 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 17 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 18 |

| 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 | | | | | | | | | | | | |

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,52-72 (YEARS) JAN (MONTH)



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

| Temp. (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 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 26 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 18 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 20 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 13 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 9 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 5 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 4 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 2 |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | 2 |
| -8/ -9 | | | | | | | | | | | | | | | | | | | | | 1 |
| -10/-11 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | .5 | 4.6 | 7.6 | 11.5 | 13.3 | 16.4 | 16.9 | 14.2 | 8.8 | 4.8 | 1.0 | .3 | .0 | | | | | | 2397 | | 2397 |
| | | | | | | | | | | | | | | | | | | 2397 | | 2397 | |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 6137733 | 111955 | 46.7 | 19.475 | 2397 | | | | | | | |
| Dry Bulb | 7379880 | 132032 | 55.1 | 6.691 | 2397 | | .0 | 3.5 | .2 | .0 | | 93 |
| Wet Bulb | 4973229 | 108395 | 45.2 | 5.462 | 2397 | | 1.9 | | | | | 93 |
| Dew Point | 2888224 | 79120 | 33.0 | 10.745 | 2397 | .6 | 40.7 | | | | | 93 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
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AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION — LUKE AFB ARIZONA/PHOENIX STATION NAME — 42-46,52-72 YEARS — JAN MONTH

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

| Temp. (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 | | | | | | | | | | .0 | | | | | | | | 1 | 1 | | |
| 64/ 63 | | | | .0 | | .1 | .1 | .0 | .2 | | | | | | | | | 12 | 12 | | |
| 62/ 61 | | | .1 | | .1 | .3 | .2 | .1 | .2 | .0 | | | | | | | | 23 | 23 | | |
| 60/ 59 | | .4 | .3 | .0 | .2 | .6 | .3 | .4 | .3 | .1 | .0 | | | | | | | 61 | 61 | 1 | |
| 58/ 57 | | .4 | .3 | .3 | .9 | .7 | .8 | .8 | .5 | | | | | | | | | 116 | 116 | 14 | 3 |
| 56/ 55 | | .7 | .4 | 1.4 | 1.7 | 1.5 | 1.3 | .8 | .1 | .0 | | | | | | | | 191 | 191 | 23 | 18 |
| 54/ 53 | .0 | .8 | .8 | 1.6 | 2.1 | 1.8 | 2.0 | .9 | .0 | | | | | | | | | 238 | 238 | 28 | 23 |
| 52/ 51 | .2 | .6 | 1.2 | 2.3 | 2.2 | 2.1 | 1.7 | .5 | .1 | | | | | | | | | 262 | 262 | 66 | 21 |
| 50/ 49 | .0 | 1.5 | 2.0 | 3.1 | 2.5 | 3.2 | 1.7 | .3 | .1 | | | | | | | | | 344 | 344 | 124 | 30 |
| 48/ 47 | | 1.5 | 2.2 | 2.4 | 2.4 | 2.6 | .6 | .4 | | | | | | | | | | 287 | 287 | 192 | 51 |
| 46/ 45 | .1 | 1.6 | 2.5 | 2.3 | 2.5 | 1.5 | .5 | .3 | | | | | | | | | | 272 | 272 | 304 | 84 |
| 44/ 43 | .3 | 1.2 | 2.8 | 1.4 | 1.0 | .7 | .5 | .1 | | | | | | | | | | 188 | 188 | 311 | 136 |
| 42/ 41 | .0 | 1.3 | 2.0 | 1.0 | 1.1 | .9 | .3 | | | | | | | | | | | 158 | 158 | 343 | 150 |
| 40/ 39 | | .8 | 1.2 | .9 | .7 | .7 | .2 | | | | | | | | | | | 107 | 107 | 347 | 190 |
| 38/ 37 | | .5 | .6 | .5 | .5 | .4 | | | | | | | | | | | | 60 | 60 | 234 | 214 |
| 36/ 35 | .0 | .4 | .3 | .2 | .4 | .1 | .0 | | | | | | | | | | | 35 | 35 | 152 | 202 |
| 34/ 33 | | .2 | | .1 | .4 | .3 | .0 | | | | | | | | | | | 24 | 24 | 96 | 146 |
| 32/ 31 | | .0 | | .3 | .1 | | | | | | | | | | | | | 10 | 10 | 64 | 166 |
| 30/ 29 | | | | .0 | .0 | | | | | | | | | | | | | 2 | 2 | 46 | 176 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 17 | 148 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | 15 | 135 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | 11 | 121 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | 1 | 89 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 47 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 38 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 33 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 27 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 32 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 33 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 22 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 19 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 6 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 8 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 8 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 — STATION
LUKE AFB ARIZONA/PHOENIX — STATION NAME
42-46,52-72 — YEARS
JAN — MONTH

PAGE 2

2100-2300 — HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 5 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 3 |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | 1 |
| -8/ -9 | | | | | | | | | | | | | | | | | | | | | 5 |
| TOTAL | .8 | 11.8 | 16.6 | 17.7 | 18.9 | 17.4 | 10.3 | 4.8 | 1.5 | .2 | .0 | | | | | | | 2391 | 2391 | 2391 | 2391 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 8574156 | 134848 | 56.4 | 20.135 | 2391 | | | | | | | |
| Dry Bulb | 5725789 | 116111 | 48.6 | 6.042 | 2391 | | .3 | | | | | 93 |
| Wet Bulb | 4227847 | 99583 | 41.6 | 5.797 | 2391 | | 0.0 | | | | | 93 |
| Dew Point | 2757578 | 77000 | 32.2 | 10.782 | 2391 | .9 | 43.7 | | | | | 93 |

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,52-72 YEARS | FEB MONTH

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

| Temp. (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 |
| 70/ 69 | | | | | | | | | | | .0 | | | | | | | 1 | 1 | | |
| 68/ 67 | | | | | | | | | | .0 | | | | | | | | 1 | 1 | | |
| 66/ 65 | | | | | | | .0 | .0 | .1 | .2 | | | | | | | | 10 | 10 | | |
| 64/ 63 | | | | | .0 | .5 | .1 | .1 | .4 | .0 | | | | | | | | 26 | 26 | | |
| 62/ 61 | | | | .2 | .1 | .3 | .3 | .4 | .7 | .5 | .1 | | | | | | | 58 | 58 | | |
| 60/ 59 | | | .1 | .7 | .7 | .1 | .7 | .7 | .7 | .4 | | | | | | | | 88 | 88 | | |
| 58/ 57 | | .2 | .5 | 1.4 | 1.3 | .7 | 1.3 | .7 | .6 | .0 | | | | | | | | 144 | 144 | | |
| 56/ 55 | | .8 | .9 | .8 | .9 | 1.4 | 1.5 | 1.5 | .3 | | | | | | | | | 172 | 172 | 20 | 1 |
| 54/ 53 | | .5 | .8 | .7 | 1.5 | 1.9 | 2.3 | 1.0 | .1 | | | | | | | | | 190 | 190 | 74 | 19 |
| 52/ 51 | | .9 | .8 | 1.2 | 1.9 | 1.7 | 1.4 | .7 | .2 | | | | | | | | | 189 | 189 | 83 | 21 |
| 50/ 49 | .0 | 1.7 | 1.7 | 2.9 | 2.7 | 2.1 | 1.0 | 1.2 | .0 | | | | | | | | | 287 | 287 | 104 | 58 |
| 48/ 47 | | .9 | 1.4 | 1.9 | 2.0 | 1.5 | 1.3 | .5 | | | | | | | | | | 203 | 203 | 166 | 79 |
| 46/ 45 | .3 | 1.3 | 1.4 | 2.4 | 1.8 | 1.1 | 1.0 | .3 | | | | | | | | | | 204 | 204 | 222 | 96 |
| 44/ 43 | | 1.1 | 1.5 | 1.7 | 1.8 | 1.4 | .6 | .1 | | | | | | | | | | 172 | 172 | 292 | 87 |
| 42/ 41 | .1 | .7 | .9 | 1.6 | 1.5 | .9 | .2 | | | | | | | | | | | 129 | 129 | 279 | 77 |
| 40/ 39 | .2 | .9 | 1.2 | 1.4 | 1.0 | 1.2 | .1 | | | | | | | | | | | 128 | 128 | 229 | 117 |
| 38/ 37 | | .6 | .7 | .9 | .6 | .2 | | | | | | | | | | | | 64 | 64 | 183 | 139 |
| 36/ 35 | .1 | .2 | .6 | .5 | .5 | .1 | | | | | | | | | | | | 40 | 40 | 194 | 178 |
| 34/ 33 | | .2 | .3 | .3 | .1 | | | | | | | | | | | | | 20 | 20 | 125 | 143 |
| 32/ 31 | | .0 | .1 | .2 | | | | | | | | | | | | | | 7 | 7 | 84 | 172 |
| 30/ 29 | | | .1 | | | | | | | | | | | | | | | 2 | 2 | 33 | 130 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 22 | 127 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | 5 | 118 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 128 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 93 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 49 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 60 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 50 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 60 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 41 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 37 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 22 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 14 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 8 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,52-72 YEARS | FEB MONTH

PAGE 2 | 0000-0200 HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL 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 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | | 4 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | | 4 |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | | 3 |
| TOTAL | | ,8 | 10,0 | 13,2 | 18,9 | 18,3 | 15,2 | 11,8 | 7,3 | 3,2 | 1,3 | ,1 | | | | | | | | 2135 | | 2135 |
| | | | | | | | | | | | | | | | | | | | 2135 | | 2135 | |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 7039745 | 114437 | 53,6 | 20,603 | 2135 | | | | | | | |
| Dry Bulb | 5241904 | 104770 | 49,1 | 6,865 | 2135 | | ,4 | ,1 | | | | 84 |
| Wet Bulb | 3765170 | 88696 | 41,5 | 6,138 | 2135 | | 6,5 | | | | | 84 |
| Dew Point | 2331594 | 66484 | 31,1 | 11,065 | 2135 | ,3 | 44,1 | | | | | 84 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
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AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,52-72 YEARS | FEB MONTH

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

| Temp. (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/ 67 | | | | | | | | | | .0 | | | | | | | | 1 | 1 | | |
| 66/ 65 | | | | | | | | .0 | | | | | | | | | | 1 | 1 | | |
| 64/ 63 | | | | | | | | .0 | .0 | | | | | | | | | 2 | 2 | | |
| 62/ 61 | | | | | | .1 | .0 | .1 | .1 | .2 | .1 | .0 | | | | | | 15 | 18 | | |
| 60/ 59 | | | | .3 | .4 | .4 | .2 | .4 | .4 | .3 | | | | | | | | 53 | 53 | | |
| 58/ 57 | | .2 | .3 | .4 | .3 | .2 | .4 | .3 | .3 | | | | | | | | | 58 | 58 | 3 | |
| 56/ 55 | | .6 | .9 | 1.3 | .2 | .7 | 1.3 | .7 | .1 | | | | | | | | | 124 | 124 | 5 | 3 |
| 54/ 53 | | .7 | 1.7 | 1.1 | .6 | 1.0 | 1.0 | .7 | | | | | | | | | | 147 | 147 | 35 | 10 |
| 52/ 51 | .0 | .9 | 1.0 | .9 | 1.6 | 1.7 | 1.2 | .1 | | | | | | | | | | 165 | 165 | 64 | 17 |
| 50/ 49 | | 1.3 | 1.1 | 1.7 | 2.1 | 1.8 | 1.5 | .5 | | | | | | | | | | 212 | 212 | 110 | 38 |
| 48/ 47 | .0 | 1.5 | 1.2 | 2.6 | 1.8 | 1.4 | .7 | .3 | | | | | | | | | | 211 | 211 | 109 | 69 |
| 46/ 45 | .4 | 1.5 | 1.6 | 3.7 | 1.6 | 1.0 | 1.0 | .0 | | | | | | | | | | 238 | 238 | 140 | 106 |
| 44/ 43 | .0 | 1.3 | 3.0 | 2.6 | 1.6 | 1.4 | .7 | .0 | | | | | | | | | | 229 | 229 | 212 | 79 |
| 42/ 41 | .1 | 1.4 | 2.1 | 2.2 | 1.4 | 1.6 | .4 | | | | | | | | | | | 199 | 199 | 289 | 77 |
| 40/ 39 | .1 | 1.3 | 2.2 | 1.9 | 1.9 | .9 | | | | | | | | | | | | 176 | 176 | 282 | 79 |
| 38/ 37 | .1 | 1.1 | 1.3 | 1.9 | 1.0 | .5 | | | | | | | | | | | | 126 | 126 | 216 | 127 |
| 36/ 35 | .0 | .9 | 1.0 | .8 | 1.0 | .1 | .0 | | | | | | | | | | | 84 | 84 | 196 | 184 |
| 34/ 33 | | .6 | 1.1 | .6 | .4 | .0 | | | | | | | | | | | | 58 | 58 | 175 | 190 |
| 32/ 31 | .0 | .2 | .3 | .3 | .1 | | | | | | | | | | | | | 20 | 20 | 146 | 181 |
| 30/ 29 | | | .3 | .0 | | | | | | | | | | | | | | 8 | 8 | 78 | 143 |
| 28/ 27 | | .0 | .1 | .0 | | | | | | | | | | | | | | 5 | 5 | 42 | 107 |
| 26/ 25 | | | .0 | | | | | | | | | | | | | | | 1 | 1 | 24 | 135 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | 8 | 128 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 94 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 60 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 65 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 60 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 59 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 32 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 33 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 23 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 18 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 9 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 4 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Ref. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,52-72 YEARS | FEB MONTH

PAGE 2 | 0300-0500 HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 1 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 2 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 1 |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | 1 |
| ~~-10/-11~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| TOTAL | 1.0 | 13.5 | 19.3 | 22.8 | 16.6 | 12.8 | 8.7 | 3.5 | 1.3 | .4 | .0 | | | | | | | | 2136 | | 2136 |
| | | | | | | | | | | | | | | | | | | 2136 | | 2136 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≥ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 8058648 | 123924 | 58.0 | 20.175 | 2136 | | | | | | | |
| Dry Bulb | 4622429 | 98299 | 46.0 | 6.799 | 2136 | | 1.3 | .0 | | | | 84 |
| Wet Bulb | 3450340 | 84784 | 39.7 | 6.310 | 2136 | | 11.8 | | | | | 84 |
| Dew Point | 2244190 | 65316 | 30.6 | 10.754 | 2136 | .2 | 45.5 | | | | | 84 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,52-72 (YEARS) FEB (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | | | | |
| 62/ 61 | | | | | .0 | .0 | .1 | .2 | .0 | .1 | | | | | | | | 13 | 13 | | |
| 60/ 59 | | | | .1 | .1 | .2 | .2 | .1 | .1 | .0 | | | | | | | | 20 | 20 | | |
| 58/ 57 | | .2 | .0 | .4 | .3 | .3 | .3 | .3 | .2 | .1 | | | | | | | | 46 | 46 | | |
| 56/ 55 | | .5 | .4 | .7 | .5 | .3 | .9 | .5 | .2 | | | | | | | | | 88 | 88 | 6 | 5 |
| 54/ 53 | .0 | .7 | 1.4 | .7 | .4 | .7 | .7 | .6 | .1 | | | | | | | | | 111 | 111 | 22 | 7 |
| 52/ 51 | .1 | .7 | 2.0 | 1.0 | 1.1 | 1.2 | 1.3 | .0 | | | | | | | | | | 159 | 159 | 48 | 14 |
| 50/ 49 | | 1.2 | 1.3 | 1.5 | 1.5 | 1.7 | 1.0 | .1 | | | | | | | | | | 179 | 179 | 85 | 29 |
| 48/ 47 | | 1.7 | 1.3 | 2.2 | 2.3 | 1.8 | .6 | .1 | | | | | | | | | | 217 | 217 | 108 | 47 |
| 46/ 45 | .2 | 1.7 | 1.5 | 3.6 | 2.0 | 1.5 | .9 | .1 | | | | | | | | | | 242 | 242 | 121 | 99 |
| 44/ 43 | .1 | 1.4 | 3.3 | 2.7 | 1.4 | 1.3 | .5 | .1 | | | | | | | | | | 230 | 230 | 173 | 88 |
| 42/ 41 | .2 | 1.3 | 2.9 | 2.6 | 1.2 | 1.7 | .2 | | | | | | | | | | | 218 | 218 | 239 | 84 |
| 40/ 39 | .1 | 1.6 | 3.0 | 1.6 | 1.8 | 1.0 | .0 | | | | | | | | | | | 198 | 198 | 304 | 77 |
| 38/ 37 | .1 | 1.3 | 1.8 | 2.0 | 1.6 | .5 | | | | | | | | | | | | 156 | 156 | 251 | 102 |
| 36/ 35 | .1 | .9 | 2.2 | 1.4 | 1.1 | .0 | .1 | | | | | | | | | | | 125 | 125 | 221 | 174 |
| 34/ 33 | .0 | .8 | 1.3 | .7 | .4 | .0 | | | | | | | | | | | | 70 | 70 | 164 | 197 |
| 32/ 31 | .0 | .3 | .6 | .4 | .2 | | | | | | | | | | | | | 32 | 32 | 179 | 190 |
| 30/ 29 | .0 | .2 | .4 | .3 | | | | | | | | | | | | | | 21 | 21 | 117 | 173 |
| 28/ 27 | | .1 | .1 | | | | | | | | | | | | | | | 4 | 4 | 54 | 107 |
| 26/ 25 | | .0 | .3 | | | | | | | | | | | | | | | 7 | 7 | 27 | 123 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | 16 | 141 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | 1 | 104 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 61 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 62 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 59 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 59 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 48 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 23 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 31 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 12 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 9 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 5 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 2 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 3 |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | 1 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (01. A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,52-72 YEARS | FEB MONTH

PAGE 2 | 0600-0800 HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| TOTAL | 1.1 | 14.8 | 23.7 | 22.1 | 16.0 | 12.3 | 6.8 | 2.2 | .7 | .3 | | | | | | | | 2136 | 2136 | 2136 | 2136 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 8457276 | 127596 | 59.7 | 19.779 | 2136 | | | | | | | |
| Dry Bulb | 4346116 | 95270 | 44.6 | 6.736 | 2136 | | 2.5 | | | | | 84 |
| Wet Bulb | 3289914 | 82736 | 38.7 | 6.318 | 2136 | | 15.5 | | | | | 84 |
| Dew Point | 2172807 | 64265 | 30.1 | 10.560 | 2136 | .2 | 47.7 | | | | | 84 |

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
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# PSYCHROMETRIC SUMMARY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,52-72 (YEARS) FEB (MONTH)

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

| Temp. (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 | | | | | | | | 2 | 2 | | |
| 78/ 77 | | | | | | | | | | .0 | | .0 | .0 | | | | | 3 | 3 | | |
| 76/ 75 | | | | | | | | | .2 | .1 | | .0 | .0 | .0 | | | | 9 | 9 | | |
| 74/ 73 | | | | | | | | .1 | .1 | .1 | .1 | .3 | .1 | | | | | 19 | 19 | | |
| 72/ 71 | | | | | | | .0 | .1 | .3 | .1 | .4 | .2 | .0 | | | | | 27 | 27 | | |
| 70/ 69 | | | | | | | .3 | .2 | .2 | .4 | .7 | .3 | | | | | | 46 | 46 | | |
| 68/ 67 | | | | | | .2 | .3 | .5 | .3 | .9 | .6 | .0 | | | | | | 61 | 61 | | |
| 66/ 65 | | | | | .1 | .4 | .3 | .5 | 1.3 | 1.0 | .6 | .0 | | | | | | 91 | 91 | | |
| 64/ 63 | | | | .1 | .3 | .7 | .4 | 1.0 | 1.4 | 1.3 | .5 | .0 | | | | | | 120 | 120 | | |
| 62/ 61 | | .0 | .0 | .2 | .8 | .7 | 1.0 | 2.0 | 1.7 | .6 | .4 | .0 | | | | | | 163 | 163 | 2 | |
| 60/ 59 | | .0 | .1 | 1.2 | .5 | 1.0 | 2.1 | 2.0 | 1.5 | .9 | .1 | | | | | | | 203 | 203 | 12 | 1 |
| 58/ 57 | | .3 | .6 | .5 | 1.0 | 2.1 | 2.3 | 1.9 | 1.7 | .7 | | | | | | | | 237 | 237 | 28 | 1 |
| 56/ 55 | .0 | .3 | .8 | .9 | 1.2 | 1.9 | 1.8 | 1.5 | 1.0 | .2 | | | | | | | | 208 | 208 | 68 | 5 |
| 54/ 53 | .1 | .4 | .9 | 1.1 | 2.1 | 1.9 | 1.9 | 1.4 | .7 | | | | | | | | | 228 | 228 | 99 | 15 |
| 52/ 51 | | .4 | 1.2 | 1.1 | 1.7 | 1.4 | 1.6 | 1.3 | .3 | | | | | | | | | 192 | 192 | 149 | 36 |
| 50/ 49 | .0 | .5 | 1.1 | 1.6 | 1.7 | 1.1 | 1.0 | .8 | .1 | | | | | | | | | 174 | 174 | 210 | 71 |
| 48/ 47 | | .3 | .8 | 1.2 | 1.0 | 1.0 | .9 | .6 | .0 | | | | | | | | | 128 | 128 | 308 | 81 |
| 46/ 45 | | .2 | .7 | .7 | 1.1 | .8 | .8 | .1 | | | | | | | | | | 96 | 96 | 308 | 70 |
| 44/ 43 | .1 | .2 | .4 | .4 | .6 | .7 | .4 | | | | | | | | | | | 60 | 60 | 270 | 93 |
| 42/ 41 | | .1 | .3 | .3 | .2 | .4 | .1 | | | | | | | | | | | 32 | 32 | 224 | 91 |
| 40/ 39 | .0 | .2 | .1 | .3 | .4 | | | | | | | | | | | | | 23 | 23 | 168 | 109 |
| 38/ 37 | | .0 | .2 | .1 | .2 | .1 | | | | | | | | | | | | 14 | 14 | 127 | 160 |
| 36/ 35 | | | | .0 | | | | | | | | | | | | | | 1 | 1 | 79 | 168 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 52 | 149 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 23 | 152 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | 6 | 119 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 1 | 130 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 135 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 99 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 87 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 54 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 64 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 68 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 45 |

| 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 | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) 201 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,52-72 YEARS | FEB MONTH



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

| Temp. (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 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 2 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 31 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 32 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 10 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 7 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 7 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | .4 | 3.1 | 7.3 | 9.9 | 13.0 | 14.5 | 15.6 | 14.0 | 10.9 | 6.5 | 3.4 | 1.2 | .3 | .0 | | | | | 2134 | | 2134 |
| | | | | | | | | | | | | | | | | | | 2134 | | 2134 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 4822746 | 92566 | 43.4 | 19.457 | 2134 | | | | | | | |
| Dry Bulb | 6747015 | 118953 | 55.7 | 7.386 | 2134 | | | 6.6 | 1.3 | | | 84 |
| Wet Bulb | 4401672 | 96148 | 45.1 | 5.716 | 2134 | | 1.2 | | | | | 84 |
| Dew Point | 2378278 | 67124 | 31.5 | 11.187 | 2134 | .1 | 42.7 | | | | | 84 |

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,32-72 YEARS | FEB MONTH

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

| Temp. (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 |
| 90/ 89 | | | | | | | | | | | | | | .0 | | | | 1 | 1 | | |
| 88/ 87 | | | | | | | | | | | | .0 | .0 | | | | | 2 | 2 | | |
| 86/ 85 | | | | | | | | | | | | | | .1 | .0 | | | 3 | 3 | | |
| 84/ 83 | | | | | | | | | | | .1 | .2 | .0 | .1 | .1 | | | 13 | 13 | | |
| 82/ 81 | | | | | | | | | .0 | .0 | .0 | .3 | .3 | .3 | .1 | | | 25 | 25 | | |
| 80/ 79 | | | | | | | | | .0 | | .2 | .5 | .6 | .7 | .0 | | | 44 | 44 | | |
| 78/ 77 | | | | | | | | .0 | .1 | .2 | .3 | .3 | 1.1 | .6 | | | | 56 | 56 | | |
| 76/ 75 | | | | | | | | .0 | .3 | .5 | .7 | 1.0 | 1.0 | .3 | | | | 82 | 82 | | |
| 74/ 73 | | | | | | .0 | | .2 | .4 | .6 | 1.1 | 2.4 | 1.3 | .1 | | | | 131 | 131 | | |
| 72/ 71 | | | | | | | .1 | .5 | .6 | .8 | 2.4 | 2.0 | .4 | .0 | | | | 145 | 145 | | |
| 70/ 69 | | | | | | .1 | .6 | .5 | 1.1 | 2.3 | 2.5 | 1.3 | .7 | .0 | | | | 199 | 199 | | |
| 68/ 67 | | | .0 | | .1 | .4 | .4 | .9 | 2.3 | 2.2 | 1.3 | 1.3 | .1 | | | | | 196 | 196 | | |
| 66/ 65 | | | .3 | | .4 | .4 | .7 | 1.9 | 2.6 | 2.2 | 1.6 | 1.1 | | | | | | 232 | 232 | 4 | |
| 64/ 63 | | | .2 | .1 | .4 | .6 | .9 | 2.3 | 1.8 | 2.0 | 2.0 | .3 | | | | | | 228 | 228 | 7 | |
| 62/ 61 | | | .1 | .3 | .3 | .7 | 1.3 | 1.5 | 1.5 | 1.6 | 1.0 | | | | | | | 184 | 184 | 14 | 2 |
| 60/ 59 | | | .2 | .2 | .4 | .7 | 1.3 | 1.3 | 1.5 | 1.6 | .3 | | | | | | | 162 | 162 | 52 | 1 |
| 58/ 57 | | .2 | .1 | .3 | .6 | .9 | 1.2 | .8 | 1.3 | .6 | .1 | | | | | | | 131 | 131 | 90 | 3 |
| 56/ 55 | | .1 | .4 | .3 | .6 | .7 | .5 | .9 | 1.0 | .4 | | | | | | | | 105 | 105 | 161 | 7 |
| 54/ 53 | .1 | .3 | .2 | .5 | .4 | .8 | .6 | .6 | .5 | .1 | | | | | | | | 81 | 81 | 215 | 32 |
| 52/ 51 | | | .4 | .2 | .1 | .2 | .8 | .6 | .1 | | | | | | | | | 53 | 54 | 362 | 42 |
| 50/ 49 | | .3 | .1 | .1 | .0 | .2 | .2 | .1 | | | | | | | | | | 26 | 26 | 316 | 44 |
| 48/ 47 | | .0 | .1 | .2 | .1 | .0 | .4 | .1 | | | | | | | | | | 21 | 21 | 276 | 69 |
| 46/ 45 | | .0 | .1 | .0 | | .0 | .0 | | | | | | | | | | | 6 | 6 | 222 | 65 |
| 44/ 43 | .0 | .1 | .0 | | | | | | | | | | | | | | | 4 | 4 | 181 | 86 |
| 42/ 41 | .0 | .0 | | | | | | | | | | | | | | | | 2 | 2 | 119 | 76 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | 71 | 106 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 29 | 155 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 12 | 171 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 1 | 142 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 134 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 121 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 128 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 125 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 97 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Ref. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
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# PSYCHROMETRIC SUMMARY

23111 STATION — LUKE AFB ARIZONA/PHOENIX STATION NAME — 42-46,52-72 YEARS — FEB MONTH

PAGE 2 — 1200-1400 HOURS (L. S. T.)

| Temp. (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 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 94 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 59 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 82 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 81 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 67 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 45 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 30 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 22 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 17 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 14 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 7 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 4 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 1 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 2 |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | .2 | 1.1 | 2.2 | 2.5 | 3.6 | 5.7 | 9.3 | 12.3 | 15.2 | 15.2 | 13.8 | 11.0 | 5.5 | 2.3 | .3 | | | | 2133 | | 2132 |
| | | | | | | | | | | | | | | | | | | 2132 | | 2132 | |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 2670373 | 66193 | 31.0 | 16.992 | 2132 | | | | | | | |
| Dry Bulb | 9136022 | 138644 | 65.0 | 7.633 | 2133 | | | 35.3 | 14.1 | 2.5 | | 84 |
| Wet Bulb | 5223104 | 104936 | 49.2 | 5.226 | 2132 | | | | | | | 84 |
| Dew Point | 2299013 | 63423 | 30.7 | 11.694 | 2132 | .3 | 44.6 | | | | | 84 |

FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
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USAF ETAC
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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,52-72 YEARS | FEB MONTH

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

| Temp. (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 |
| 92/ 91 | | | | | | | | | | | | | | | .1 | | | 2 | 2 | | |
| 90/ 89 | | | | | | | | | | | | | | .0 | | | | 1 | 1 | | |
| 88/ 87 | | | | | | | | | | | | | .0 | | .1 | .0 | | 4 | 4 | | |
| 86/ 85 | | | | | | | | | | | .1 | | .0 | .1 | .4 | .2 | | 19 | 19 | | |
| 84/ 83 | | | | | | | | | | | .0 | .1 | .2 | .4 | .5 | .2 | | 30 | 30 | | |
| 82/ 81 | | | | | | | | .1 | | | .2 | .5 | .5 | .5 | .9 | .1 | | 59 | 59 | | |
| 80/ 79 | | | | | | | | | | .1 | .5 | .8 | .9 | 1.3 | .2 | | | 83 | 83 | | |
| 78/ 77 | | | | | | | | | .1 | .3 | .6 | .7 | 1.2 | 1.6 | .1 | | | 97 | 97 | | |
| 76/ 75 | | | | | | | | .0 | .2 | .4 | .7 | 2.0 | 2.1 | .9 | | | | 136 | 137 | | |
| 74/ 73 | | | | | | | | .1 | .3 | .9 | 1.3 | 3.0 | 2.4 | .8 | | | | 191 | 191 | | |
| 72/ 71 | | | | | | | .1 | .8 | .4 | 1.6 | 2.2 | 2.0 | 1.5 | .1 | | | | 185 | 185 | | |
| 70/ 69 | | | | | | .1 | .2 | .8 | 1.3 | 2.0 | 2.4 | 2.1 | .9 | | | | | 210 | 211 | | |
| 68/ 67 | | | | | .1 | .1 | .6 | .4 | 1.2 | 2.8 | 1.8 | 1.9 | .1 | | | | | 192 | 192 | 2 | |
| 66/ 65 | | | .0 | | .2 | .2 | .8 | .6 | 1.9 | 2.2 | 2.1 | 1.7 | | | | | | 206 | 206 | 2 | |
| 64/ 63 | | | | .2 | .1 | .4 | .6 | .6 | 1.6 | 1.5 | 2.3 | .5 | | | | | | 165 | 165 | 7 | |
| 62/ 61 | | .0 | .0 | .5 | .5 | .2 | 1.1 | 1.0 | .9 | 1.1 | 1.1 | .0 | | | | | | 139 | 139 | 23 | 2 |
| 60/ 59 | | | .3 | .3 | .6 | .5 | 1.1 | 1.0 | .6 | 1.5 | .2 | | | | | | | 128 | 128 | 65 | 2 |
| 58/ 57 | | .0 | .2 | .3 | .1 | .3 | .6 | .6 | .5 | 1.0 | .0 | | | | | | | 79 | 79 | 100 | |
| 56/ 55 | | .2 | .2 | .1 | .2 | .3 | .8 | .8 | .8 | .3 | | | | | | | | 81 | 81 | 188 | 5 |
| 54/ 53 | | .2 | .3 | .1 | .1 | .2 | .2 | .5 | .5 | | | | | | | | | 44 | 44 | 302 | 22 |
| 52/ 51 | | .0 | .2 | .1 | | .2 | .3 | .1 | .1 | | | | | | | | | 23 | 23 | 331 | 35 |
| 50/ 49 | | .3 | .3 | .2 | .0 | .1 | .3 | .0 | | | | | | | | | | 29 | 29 | 317 | 39 |
| 48/ 47 | | .2 | .4 | .2 | | | .0 | | | | | | | | | | | 18 | 18 | 264 | 63 |
| 46/ 45 | | .1 | | | | | | | | | | | | | | | | 2 | 2 | 203 | 70 |
| 44/ 43 | | .0 | | | | | | | | | | | | | | | | 1 | 1 | 152 | 70 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | 90 | 76 |
| 40/ 39 | | .1 | | | | | | | | | | | | | | | | 3 | 3 | 54 | 76 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 26 | 128 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 1 | 122 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 144 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 135 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 138 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 140 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 150 |

| 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 | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) 6/64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,52-72 YEARS | FEB MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 99 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 95 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 85 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 77 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 80 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 84 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 63 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 32 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 36 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 23 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 23 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 4 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 4 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 4 |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | | 1.4 | 2.0 | 2.1 | 1.9 | 2.7 | 6.7 | 7.5 | 10.6 | 15.7 | 15.7 | 15.3 | 9.9 | 5.8 | 2.4 | .6 | | | 2129 | | 2127 |
| | | | | | | | | | | | | | | | | | | 2127 | | 2127 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 2160098 | 57672 | 27.1 | 16.748 | 2127 | | | | | | | |
| Dry Bulb | 9904049 | 144173 | 67.7 | 8.136 | 2129 | | | 47.8 | 24.6 | 6.1 | | 84 |
| Wet Bulb | 5372095 | 106339 | 50.0 | 5.118 | 2127 | | | .1 | | | | 84 |
| Dew Point | 2105765 | 62017 | 29.2 | 11.830 | 2127 | .4 | 50.3 | | | | | 84 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# PSYCHROMETRIC SUMMARY

23111 STATION — LUKE AFB ARIZONA/PHOENIX STATION NAME — 42-46,52-72 YEARS — FEB MONTH

PAGE 1 — 1800-2000 HOURS (L. S. T.)

| Temp. (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 | .0 | .0 | | | 3 | 3 | | |
| 82/ 81 | | | | | | | | | | | | | | .2 | .0 | | | 6 | 6 | | |
| 80/ 79 | | | | | | | | | | | .0 | .0 | .1 | .1 | .0 | | | 8 | 8 | | |
| 78/ 77 | | | | | | | | .0 | .1 | .0 | .0 | .2 | .7 | .2 | | | | 28 | 28 | | |
| 76/ 75 | | | | | | | | .1 | .2 | .1 | .3 | .3 | .7 | .1 | | | | 41 | 41 | | |
| 74/ 73 | | | | | | | | .1 | .1 | .3 | .4 | .9 | .4 | | | | | 48 | 48 | | |
| 72/ 71 | | | | | | .0 | .2 | .6 | .4 | .8 | 1.1 | .8 | .2 | | | | | 90 | 90 | | |
| 70/ 69 | | | | | | .2 | .3 | .5 | .8 | .9 | 1.5 | 1.0 | .1 | | | | | 119 | 119 | | |
| 68/ 67 | | | | | .0 | .1 | .5 | .6 | 1.5 | 2.1 | 1.3 | .6 | | .0 | | | | 146 | 146 | | |
| 66/ 65 | | | | .0 | .4 | .4 | 1.1 | 1.3 | 2.1 | 1.8 | 1.2 | .1 | | | | | | 179 | 179 | | |
| 64/ 63 | | | | .3 | .7 | .5 | .7 | 1.7 | 2.2 | 1.6 | 1.0 | .2 | | | | | | 190 | 190 | 2 | |
| 62/ 61 | | | .1 | .5 | .6 | 1.0 | 1.9 | 2.6 | 1.7 | 1.6 | .6 | | | | | | | 228 | 228 | 8 | |
| 60/ 59 | | | .3 | .5 | .5 | 1.1 | 1.4 | 1.6 | 2.0 | 1.0 | .2 | | | | | | | 185 | 185 | 21 | |
| 58/ 57 | | .2 | .4 | .6 | .9 | 1.2 | 2.1 | 1.6 | 2.6 | .8 | | | | | | | | 223 | 223 | 61 | |
| 56/ 55 | | .2 | .3 | .6 | 1.1 | 1.4 | 1.4 | 1.8 | 1.0 | .4 | | | | | | | | 180 | 180 | 113 | 6 |
| 54/ 53 | | .3 | .5 | .7 | .7 | 1.4 | 1.4 | .7 | .9 | .0 | | | | | | | | 146 | 146 | 167 | 32 |
| 52/ 51 | | .3 | .6 | .5 | .5 | .8 | .6 | .7 | .3 | | | | | | | | | 92 | 92 | 251 | 49 |
| 50/ 49 | | .2 | .5 | .3 | .5 | .7 | .8 | .7 | .1 | | | | | | | | | 82 | 82 | 306 | 54 |
| 48/ 47 | | .6 | .5 | .3 | .4 | .6 | .7 | .2 | | | | | | | | | | 70 | 70 | 311 | 66 |
| 46/ 45 | | .2 | .3 | .2 | .5 | .4 | .2 | | | | | | | | | | | 39 | 39 | 258 | 85 |
| 44/ 43 | | .2 | .3 | | .2 | .3 | | | | | | | | | | | | 22 | 22 | 234 | 87 |
| 42/ 41 | | .1 | .0 | .0 | .1 | .0 | .0 | | | | | | | | | | | 10 | 10 | 165 | 108 |
| 40/ 39 | | .0 | | | .0 | | | | | | | | | | | | | 2 | 2 | 106 | 106 |
| 38/ 37 | .0 | | | | | | | | | | | | | | | | | 1 | 1 | 74 | 115 |
| 36/ 35 | | | | .0 | | | | | | | | | | | | | | 1 | 1 | 41 | 152 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 19 | 157 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 2 | 153 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | 1 | 136 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 131 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 109 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 113 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 107 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 83 |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | 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 | | | | | | | | | | | | |

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,52-72 YEARS | FEB MONTH



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

| Temp (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 67 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 64 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 35 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 42 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 24 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 28 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 13 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 10 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 2 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 3 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | .0 | 2.0 | 3.9 | 4.6 | 7.1 | 10.3 | 12.7 | 15.0 | 16.1 | 11.6 | 7.7 | 4.2 | 2.3 | .8 | .2 | | | | 2140 | | 2141 |
| | | | | | | | | | | | | | | | | | | 2140 | | 2140 | |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 3688591 | 79207 | 37,9 | 18,811 | 2140 | | | | | | | |
| Dry Bulb | 7990716 | 129696 | 60,6 | 7,808 | 2140 | | | 19,2 | 5,3 | ,5 | | 84 |
| Wet Bulb | 4P65786 | 101368 | 47,4 | 5,477 | 2140 | | ,1 | | | | | 84 |
| Dew Point | 2383232 | 07236 | 31,4 | 11,269 | 2141 | ,2 | 44,0 | | | | | 84 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,52-72 YEARS | FEB MONTH

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

| Temp. (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 |
| 72/ 71 | | | | | | | | | | | | .2 | | | | | | 4 | 4 | | |
| 70/ 69 | | | | | | | | .0 | | .1 | .1 | .1 | | | | | | 7 | 7 | | |
| 68/ 67 | | | | | | .1 | .2 | .1 | .1 | .6 | .3 | | | | | | | 32 | 32 | | |
| 66/ 65 | | | | | .1 | .6 | .3 | .3 | .7 | .7 | .0 | .1 | | | | | | 59 | 59 | | |
| 64/ 63 | | | | | .7 | .5 | .4 | .7 | .8 | .5 | .2 | | | | | | | 82 | 82 | | |
| 62/ 61 | | | .0 | .7 | .4 | .6 | 1.0 | 1.1 | 1.2 | .7 | .2 | | | | | | | 125 | 125 | | |
| 60/ 59 | | | .5 | .6 | .9 | .8 | 1.4 | 1.4 | 1.1 | .3 | | | | | | | | 155 | 155 | | |
| 58/ 57 | | .1 | .7 | .7 | .7 | 1.6 | 2.1 | 2.1 | 1.1 | .2 | | | | | | | | 203 | 203 | 13 | |
| 56/ 55 | | .5 | 1.0 | .4 | 1.8 | 2.3 | 2.5 | 1.5 | .5 | .1 | | | | | | | | 228 | 228 | 63 | 2 |
| 54/ 53 | | .5 | 1.0 | 1.4 | 2.6 | 2.1 | 1.9 | 1.4 | .5 | | | | | | | | | 249 | 249 | 91 | 17 |
| 52/ 51 | | 1.0 | 1.3 | 1.1 | 2.1 | 1.8 | 1.3 | 1.2 | .4 | | | | | | | | | 216 | 216 | 95 | 57 |
| 50/ 49 | | .7 | 1.2 | 1.8 | 2.0 | 1.8 | 1.3 | 1.4 | .1 | | | | | | | | | 222 | 222 | 175 | 57 |
| 48/ 47 | | .9 | .6 | 1.7 | 2.0 | 1.1 | .8 | .5 | | | | | | | | | | 163 | 163 | 275 | 87 |
| 46/ 45 | | 1.1 | .7 | 1.3 | 1.5 | 1.3 | .8 | .2 | | | | | | | | | | 149 | 149 | 303 | 75 |
| 44/ 43 | .0 | .3 | .9 | .7 | 1.1 | .9 | .5 | .1 | | | | | | | | | | 98 | 98 | 287 | 101 |
| 42/ 41 | .1 | .6 | .4 | .6 | 1.0 | 1.0 | .1 | | | | | | | | | | | 86 | 86 | 248 | 94 |
| 40/ 39 | .0 | .5 | .0 | .7 | .4 | .4 | | | | | | | | | | | | 44 | 44 | 192 | 114 |
| 38/ 37 | | .0 | .3 | .1 | .2 | .0 | | | | | | | | | | | | 15 | 15 | 159 | 155 |
| 36/ 35 | | | .0 | .1 | .1 | | | | | | | | | | | | | 7 | 7 | 113 | 185 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 74 | 143 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 38 | 150 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | 16 | 145 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 2 | 125 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 114 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 113 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 90 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 61 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 52 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 52 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 37 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 38 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 24 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 27 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 14 |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | 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 | | | | | | | | | | | | |

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,52-72 YEARS | FEB MONTH

PAGE 2 | 2100-2300 HOURS (L. S. T.)

| Temp (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | | | | |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 4 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 6 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 2 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 2 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | .2 | 6.3 | 0.7 | 12.5 | 17.8 | 17.2 | 14.5 | 11.9 | 6.4 | 3.2 | .9 | .4 | | | | | | 2144 | 2144 | 2144 | 2144 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 5975224 | 103726 | 48.4 | 19.998 | 2144 | | | 1.7 | | | | 84 |
| Dry Bulb | 6120966 | 113620 | 53.0 | 6.822 | 2144 | | 2.2 | | | | | 84 |
| Wet Bulb | 4194019 | 94019 | 43.9 | 5.784 | 2144 | | | | | | | 84 |
| Dew Point | 2454634 | 68578 | 32.0 | 11.041 | 2144 | .2 | 41.4 | | | | | 84 |

USAFETAC FORM 0-26-5 (OL A) 701 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-45,52-72 YEARS | MAR MONTH

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

| Temp. (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 | | | | | | | | | .0 | | | | | .0 | | | | 2 | 2 | | |
| 74/ 73 | | | | | | | | | | | .1 | .1 | .0 | .0 | | | | 7 | 7 | | |
| 72/ 71 | | | | | | | .0 | | .0 | .2 | .1 | .1 | .1 | | | | | 13 | 13 | | |
| 70/ 69 | | | | | | | .0 | .0 | .1 | .4 | .1 | .2 | | | | | | 21 | 21 | | |
| 68/ 67 | | | | | | .0 | | | .3 | .5 | .2 | | | | | | | 28 | 28 | | |
| 66/ 65 | | | | .0 | .1 | .1 | .4 | .5 | .9 | .8 | .5 | | | | | | | 76 | 76 | | |
| 64/ 63 | | | | .1 | .0 | .3 | .4 | 1.3 | 1.1 | .6 | .2 | | | | | | | 97 | 97 | | |
| 62/ 61 | | | .1 | .1 | .4 | .6 | 1.6 | 1.3 | 1.6 | .7 | .1 | | | | | | | 151 | 151 | | |
| 60/ 59 | | .2 | .2 | .2 | .6 | 1.1 | 1.5 | 1.8 | 1.0 | .5 | | | | | | | | 164 | 164 | 4 | |
| 58/ 57 | | .1 | .3 | .8 | 1.0 | 1.7 | 2.2 | 2.6 | .7 | .3 | | | | | | | | 228 | 228 | 11 | 3 |
| 56/ 55 | | .3 | .3 | 1.4 | 2.0 | 2.7 | 2.3 | 1.9 | .4 | .0 | | | | | | | | 260 | 260 | 21 | 6 |
| 54/ 53 | | .1 | .8 | 1.6 | 2.5 | 2.5 | 2.3 | 1.3 | .4 | .2 | | | | | | | | 271 | 271 | 68 | 8 |
| 52/ 51 | | .7 | 1.3 | 1.5 | 2.1 | 1.8 | 2.1 | .6 | .3 | | | | | | | | | 240 | 240 | 118 | 16 |
| 50/ 49 | .1 | .8 | 1.6 | 1.4 | 2.0 | 2.8 | 1.2 | .2 | .1 | | | | | | | | | 234 | 234 | 249 | 31 |
| 48/ 47 | | .7 | 1.1 | 1.3 | 1.5 | 1.9 | 1.1 | .3 | | | | | | | | | | 186 | 186 | 320 | 61 |
| 46/ 45 | .2 | 1.1 | .7 | 1.4 | 1.3 | 1.0 | .4 | .0 | | | | | | | | | | 134 | 134 | 369 | 99 |
| 44/ 43 | .1 | .9 | .6 | .8 | .8 | .6 | .1 | | | | | | | | | | | 92 | 92 | 349 | 118 |
| 42/ 41 | | .4 | .7 | .4 | .3 | .4 | .1 | | | | | | | | | | | 56 | 56 | 281 | 154 |
| 40/ 39 | | .4 | .2 | .2 | .4 | .2 | .1 | | | | | | | | | | | 34 | 34 | 223 | 156 |
| 38/ 37 | | .1 | | .2 | .1 | .1 | | | | | | | | | | | | 12 | 12 | 143 | 175 |
| 36/ 35 | | | .1 | .1 | .0 | | | | | | | | | | | | | 6 | 6 | 84 | 208 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 38 | 172 |
| 32/ 31 | | .0 | | | | | | | | | | | | | | | | 1 | 1 | 24 | 168 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | 9 | 171 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 2 | 145 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 154 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 110 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 112 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 63 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 63 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 31 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 28 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 15 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 15 |

| 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 | | | | | | | | | | | | |

FORM 0-26-5 (OL A) 10 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-45,52-72 YEARS | MAR MONTH

PAGE 2 | 0000-0200 HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 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 | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 15 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 12 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 1 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 3 |
| TOTAL | .4 | 6.1 | 8.1 | 11.6 | 14.7 | 17.8 | 16.0 | 11.9 | 7.2 | 4.3 | 1.3 | .4 | .1 | .1 | | | | 2313 | | 2313 | 2313 |
| | | | | | | | | | | | | | | | | | 2313 | | 2313 | | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | 6158986 | 110472 | 47.8 | 19.539 | 2313 | | | | | | | |
| Dry Bulb | 6799987 | 124413 | 53.8 | 6.834 | 2313 | | .0 | 2.9 | .4 | | | 93 |
| Wet Bulb | 4594286 | 102420 | 44.3 | 5.057 | 2313 | | 1.4 | | | | | 93 |
| Dew Point | 2644145 | 75031 | 32.4 | 9.536 | 2313 | | 44.5 | | | | | 93 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-45,52-72 YEARS | MAR MONTH

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

| Temp. (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 |
| 72/ 71 | | | | | | | | | | | .0 | | | | | | | 1 | 1 | | |
| 70/ 69 | | | | | | | .0 | | .0 | | .0 | .1 | | | | | | 5 | 5 | | |
| 68/ 67 | | | | | | .0 | | .1 | .0 | .1 | .1 | | | | | | | 10 | 10 | | |
| 66/ 65 | | | | | | .0 | .1 | .2 | .3 | .3 | | | | | | | | 19 | 19 | | |
| 64/ 63 | | | | .0 | .1 | .0 | .1 | .3 | .5 | .2 | .0 | | | | | | | 33 | 33 | | |
| 62/ 61 | | | .0 | .0 | .1 | .1 | .4 | .7 | .6 | .3 | .0 | | | | | | | 56 | 56 | | |
| 60/ 59 | | .1 | .1 | .2 | .6 | .6 | .7 | .9 | 1.0 | .2 | | | | | | | | 99 | 99 | | |
| 58/ 57 | | .2 | .2 | .6 | .7 | 1.3 | 1.3 | 1.3 | .3 | .1 | | | | | | | | 140 | 140 | 7 | 3 |
| 56/ 55 | | .3 | .6 | .9 | 1.3 | 1.8 | 2.1 | 1.1 | .5 | .0 | | | | | | | | 203 | 203 | 17 | |
| 54/ 53 | | | .6 | 1.4 | 2.5 | 2.6 | 2.2 | .9 | .4 | | | | | | | | | 247 | 247 | 28 | 13 |
| 52/ 51 | | .5 | 1.5 | 2.. | 2.6 | 2.5 | 2.0 | .3 | .3 | | | | | | | | | 270 | 270 | 59 | 8 |
| 50/ 49 | | 1.0 | 2.3 | 2.1 | 2.6 | 2.6 | 1.6 | .1 | .1 | | | | | | | | | 291 | 291 | 133 | 29 |
| 48/ 47 | | 1.2 | 1.7 | 2.1 | 2.5 | 2.5 | .6 | .3 | | | | | | | | | | 255 | 255 | 241 | 53 |
| 46/ 45 | .1 | 1.3 | 1.3 | 1.6 | 2.1 | 2.2 | .6 | .2 | | | | | | | | | | 219 | 219 | 320 | 80 |
| 44/ 43 | .2 | 1.0 | 1.5 | 1.6 | 1.4 | 1.0 | .2 | .0 | | | | | | | | | | 166 | 166 | 343 | 122 |
| 42/ 41 | .0 | 1.0 | 1.3 | 1.1 | 1.2 | .8 | .1 | | | | | | | | | | | 130 | 130 | 306 | 137 |
| 40/ 39 | .1 | 1.0 | 1.0 | .9 | 1.0 | .2 | | | | | | | | | | | | 93 | 93 | 290 | 166 |
| 38/ 37 | | .4 | .7 | .3 | .3 | .2 | | | | | | | | | | | | 46 | 46 | 234 | 145 |
| 36/ 35 | | .1 | .2 | .3 | .1 | .1 | | | | | | | | | | | | 19 | 19 | 159 | 175 |
| 34/ 33 | | | | .1 | .1 | | | | | | | | | | | | | 4 | 4 | 95 | 217 |
| 32/ 31 | | .1 | | .1 | | | | | | | | | | | | | | 4 | 4 | 41 | 191 |
| 30/ 29 | | .0 | | | | | | | | | | | | | | | | 1 | 1 | 26 | 179 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 7 | 163 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | 5 | 132 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 138 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 109 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 54 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 61 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 45 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 23 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 23 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 12 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 16 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 7 |

| 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 | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) 701 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZO A/PHOENIX STATION NAME | 42-45,52-72 YEARS | MAR MONTH

PAGE 2 | 0300-0500 HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 4 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 4 |
| TOTAL | .4 | 8.3 | 13.1 | 15.7 | 19.5 | 18.6 | 12.2 | 6.5 | 4.0 | 1.2 | .3 | .1 | | | | | | 2311 | 2311 | 2311 | 2311 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 7329755 | 122261 | 52,9 | 19,314 | 2311 | | | | | | | |
| Dry Bulb | 5888668 | 115700 | 50,1 | 6,452 | 2311 | | ,2 | ,6 | | | | 93 |
| Wet Bulb | 4181752 | 97548 | 42,2 | 5,273 | 2311 | | 3,2 | | | | | 93 |
| Dew Point | 2563313 | 73861 | 32,0 | 9,367 | 2311 | | 46,7 | | | | | 93 |

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-45,52-72 YEARS | MAR MONTH

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

| Temp. (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 |
| 70/ 69 | | | | | | | | | | .0 | | .0 | | | | | | 2 | 2 | | |
| 68/ 67 | | | | | | | | | .1 | .1 | | | | | | | | 5 | 5 | | |
| 66/ 65 | | | | | .0 | .1 | .0 | .1 | .2 | .2 | .1 | | | | | | | 19 | 19 | | |
| 64/ 63 | | | | | .1 | | .2 | .5 | .7 | .2 | .1 | | | | | | | 42 | 42 | | |
| 62/ 61 | | | | .1 | .2 | .2 | .5 | .6 | .6 | .1 | .1 | | | | | | | 57 | 57 | | |
| 60/ 59 | | .0 | .1 | .3 | .5 | .5 | .6 | .8 | .3 | .2 | | | | | | | | 78 | 78 | | |
| 58/ 57 | | .1 | .3 | .5 | .6 | 1.3 | 1.2 | .8 | .4 | .4 | | | | | | | | 132 | 132 | 5 | 1 |
| 56/ 55 | .1 | .2 | .5 | 1.0 | 1.9 | 1.7 | 1.9 | .6 | .6 | .0 | | | | | | | | 198 | 198 | 16 | 2 |
| 54/ 53 | .0 | .3 | 1.3 | 1.4 | 2.0 | 2.6 | 1.6 | 1.0 | .3 | | | | | | | | | 243 | 243 | 26 | 11 |
| 52/ 51 | .0 | .4 | 1.3 | 1.6 | 2.7 | 3.1 | 1.4 | .4 | .2 | | | | | | | | | 253 | 253 | 69 | 14 |
| 50/ 49 | .0 | .8 | 1.6 | 2.2 | 3.3 | 2.8 | .6 | .3 | .1 | | | | | | | | | 275 | 275 | 144 | 33 |
| 48/ 47 | | 1.0 | 2.4 | 2.1 | 3.1 | 1.9 | 1.0 | .2 | .1 | | | | | | | | | 274 | 274 | 211 | 56 |
| 46/ 45 | .2 | 1.3 | 1.5 | 2.6 | 2.2 | 1.5 | .5 | .1 | | | | | | | | | | 230 | 230 | 312 | 72 |
| 44/ 43 | .3 | 1.2 | 1.2 | 2.2 | 1.6 | .8 | .2 | | | | | | | | | | | 173 | 173 | 328 | 105 |
| 42/ 41 | .2 | .6 | 1.6 | 1.8 | 1.5 | .3 | .1 | | | | | | | | | | | 141 | 141 | 342 | 142 |
| 40/ 39 | .0 | .7 | 1.2 | 1.0 | 1.0 | .2 | | | | | | | | | | | | 95 | 95 | 272 | 163 |
| 38/ 37 | .0 | .3 | .7 | .3 | .6 | .2 | | | | | | | | | | | | 50 | 50 | 239 | 163 |
| 36/ 35 | | .3 | .5 | .2 | .3 | | | | | | | | | | | | | 30 | 30 | 163 | 189 |
| 34/ 33 | | .1 | | .1 | .1 | | | | | | | | | | | | | 7 | 7 | 103 | 206 |
| 32/ 31 | | .1 | .1 | .1 | .0 | | | | | | | | | | | | | 9 | 9 | 44 | 225 |
| 30/ 29 | | .0 | .0 | | | | | | | | | | | | | | | 2 | 2 | 27 | 202 |
| 28/ 27 | | | | .0 | | | | | | | | | | | | | | 1 | 1 | 9 | 184 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | 4 | 109 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | 2 | 103 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 84 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 67 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 56 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 36 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 37 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 20 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 12 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 10 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 6 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 5 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
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AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-45,52-72 YEARS | MAR MONTH

PAGE 2 | 0600-0800 HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 2 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | .9 | 7.7 | 13.9 | 17.3 | 21.0 | 17.2 | 9.9 | 5.6 | 3.5 | 1.3 | .3 | .0 | | | | | | 2316 | 2316 | 2316 | 2316 |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 7581102 | 125156 | 54.0 | 18.792 | 2316 | | | | | | | |
| Dry Bulb | 5804968 | 114974 | 49.6 | 6.582 | 2316 | | .5 | .3 | | | | 93 |
| Wet Bulb | 4164791 | 97425 | 42.1 | 5.360 | 2316 | | 3.5 | | | | | 93 |
| Dew Point | 2597799 | 74607 | 32.2 | 9.164 | 2316 | .0 | 46.5 | | | | | 93 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-45,52-72 YEARS | MAR MONTH

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

| Temp. (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 | | | | | | | | | | | | | | | .1 | | | 2 | 2 | | |
| 82/ 81 | | | | | | | | | | | | .1 | .1 | .2 | .1 | | | 10 | 10 | | |
| 80/ 79 | | | | | | | | | | | | .1 | .3 | .2 | .0 | .0 | | 17 | 17 | | |
| 78/ 77 | | | | | | | | | | .0 | .1 | .6 | .4 | .3 | | | | 33 | 33 | | |
| 76/ 75 | | | | | | | | | .0 | .0 | .8 | 1.0 | .7 | | .0 | | | 62 | 62 | | |
| 74/ 73 | | | | | | | | .1 | .2 | .6 | .6 | 1.1 | .4 | | | | | 72 | 72 | | |
| 72/ 71 | | | | | | | .1 | .3 | .6 | 1.3 | 1.7 | 1.3 | .3 | .0 | | | | 128 | 128 | | |
| 70/ 69 | | | | .0 | | .1 | .2 | .7 | 1.0 | 1.9 | 2.0 | .8 | .3 | | | | | 166 | 166 | | |
| 68/ 67 | | | | | | .2 | .6 | 1.3 | 1.7 | 1.8 | 1.2 | .7 | | | | | | 173 | 173 | | |
| 66/ 65 | | | | | .1 | .3 | 1.1 | 1.6 | 2.6 | 1.8 | .6 | .4 | | | | | | 196 | 196 | | |
| 64/ 63 | | | | | .3 | 1.1 | 1.4 | 2.0 | 1.5 | 1.6 | .8 | .1 | | | | | | 206 | 206 | 1 | |
| 62/ 61 | | | .0 | .2 | .4 | 1.4 | 1.8 | 2.1 | 2.0 | .9 | .4 | .1 | | | | | | 211 | 211 | 1 | |
| 60/ 59 | | .1 | .2 | .6 | .9 | 1.5 | 1.7 | 2.4 | 1.7 | .7 | .1 | | | | | | | 233 | 233 | 17 | 1 |
| 58/ 57 | | .1 | .1 | .5 | 1.3 | 1.6 | 1.7 | 1.4 | 1.4 | .3 | .0 | | | | | | | 197 | 197 | 58 | 1 |
| 56/ 55 | | .1 | .3 | .9 | .9 | 1.6 | 1.9 | 1.4 | .5 | .2 | | | | | | | | 179 | 179 | 150 | 6 |
| 54/ 53 | .0 | | .7 | .8 | .7 | 1.4 | 1.1 | .9 | .3 | .1 | | | | | | | | 140 | 140 | 241 | 11 |
| 52/ 51 | | .1 | .5 | .6 | .8 | .6 | .8 | .4 | .4 | | | | | | | | | 97 | 97 | 339 | 28 |
| 50/ 49 | | .2 | .6 | .4 | .2 | .5 | .5 | .1 | .1 | | | | | | | | | 80 | 80 | 349 | 34 |
| 48/ 47 | | .3 | .2 | .6 | .3 | .1 | .2 | .1 | | | | | | | | | | 56 | 56 | 340 | 73 |
| 46/ 45 | | .3 | .1 | .4 | .3 | .1 | .1 | | | | | | | | | | | 31 | 31 | 292 | 90 |
| 44/ 43 | | .2 | .1 | .1 | | .1 | .1 | | | | | | | | | | | 13 | 13 | 223 | 141 |
| 42/ 41 | | .1 | .1 | .1 | | | | | | | | | | | | | | 6 | 6 | 153 | 177 |
| 40/ 39 | | .0 | | .0 | | | | | | | | | | | | | | 2 | 2 | 76 | 144 |
| 38/ 37 | | | .0 | | | .0 | | | | | | | | | | | | 2 | 2 | 45 | 164 |
| 36/ 35 | | .0 | | | | | | | | | | | | | | | | 1 | 1 | 20 | 226 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 7 | 161 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 2 | 169 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 170 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 1 | 146 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 128 |
| 24/ 23 | .0 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 107 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 71 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 54 |

| 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 | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) 201 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-45,52-72 YEARS | MAR MONTH



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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 54 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 36 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 41 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 22 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 15 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 16 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 4 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 18 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 4 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 3 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | .1 | 1.6 | 3.8 | 5.2 | 7.0 | 10.7 | 13.0 | 14.9 | 14.0 | 11.4 | 8.4 | 6.3 | 2.5 | .7 | .3 | .1 | | | 2316 | | 2316 |
| | | | | | | | | | | | | | | | | | | 2316 | | 2316 | |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel Hum. | 3947078 | 86266 | 37.2 | 17.812 | 2316 | | | | | | | |
| Dry Bulb | 8976529 | 143007 | 61.7 | 7.947 | 2316 | | .0 | 26.7 | 8.0 | .9 | | 93 |
| Wet Bulb | 5444446 | 111698 | 48.2 | 4.979 | 2316 | | .2 | | | | | 93 |
| Dew Point | 2717092 | 75834 | 32.7 | 10.054 | 2316 | .2 | 42.5 | | | | | 93 |

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-45,52-72 YEARS | MAR MONTH



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

| Temp (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 |
| 92/ 91 | | | | | | | | | | | | | | | | .0 | .1 | 3 | 3 | | |
| 90/ 89 | | | | | | | | | | | | | | | .2 | .3 | .2 | 14 | 14 | | |
| 88/ 87 | | | | | | | | | | | | | | .0 | .4 | .6 | .1 | 28 | 28 | | |
| 86/ 85 | | | | | | | | | | | | | .2 | .3 | .8 | .4 | .1 | 41 | 41 | | |
| 84/ 83 | | | | | | | | | | | | .2 | .7 | 1.4 | 1.1 | .3 | .2 | 91 | 91 | | |
| 82/ 81 | | | | | | | | | | .1 | .2 | .6 | 1.1 | 1.6 | .9 | .1 | | 105 | 105 | | |
| 80/ 79 | | | | | | | | | | .2 | .2 | 1.1 | 2.1 | 2.1 | .4 | .0 | | 142 | 142 | | |
| 78/ 77 | | | | | | | | | .2 | .3 | 1.1 | 2.6 | 2.8 | 1.0 | .2 | | | 187 | 187 | | |
| 76/ 75 | | | | | | | | .0 | .4 | 1.0 | 1.3 | 2.2 | 2.0 | .9 | .1 | | | 183 | 183 | | |
| 74/ 73 | | | | | | | | .1 | .6 | 1.3 | 1.9 | 2.6 | 1.6 | .4 | .0 | | | 197 | 197 | | |
| 72/ 71 | | | | | | | .2 | .3 | 1.3 | 1.9 | 1.9 | 1.7 | .8 | .3 | | | | 192 | 192 | | |
| 70/ 69 | | | | | | .0 | .3 | 1.0 | 1.3 | 1.2 | 1.4 | 1.6 | .6 | .0 | | | | 175 | 175 | | |
| 68/ 67 | | | | | .3 | .2 | .2 | 1.1 | 1.3 | .9 | 1.4 | 1.0 | .2 | | | | | 146 | 146 | | |
| 66/ 65 | | | | .1 | .3 | .1 | .8 | 1.0 | 1.6 | 1.8 | 1.3 | .5 | .0 | | | | | 171 | 171 | | |
| 64/ 63 | | | | .1 | .1 | .3 | 1.1 | .6 | 1.4 | 1.4 | .8 | .3 | .0 | | | | | 140 | 140 | 4 | |
| 62/ 61 | | | .1 | | .3 | 1.0 | .6 | 1.3 | 1.4 | 1.1 | .5 | .1 | | | | | | 147 | 147 | 34 | |
| 60/ 59 | | .1 | .1 | .1 | .7 | .8 | .5 | .8 | .7 | .6 | .3 | | | | | | | 110 | 110 | 106 | |
| 58/ 57 | | | .3 | .4 | .6 | .4 | .5 | .6 | .3 | .3 | | | | | | | | 81 | 81 | 244 | 2 |
| 56/ 55 | | .2 | .1 | .3 | .3 | .5 | .3 | .5 | .3 | .3 | | | | | | | | 66 | 66 | 339 | 7 |
| 54/ 53 | | .1 | .3 | .3 | .2 | .2 | .0 | .2 | .1 | .0 | | | | | | | | 33 | 33 | 374 | 12 |
| 52/ 51 | | | .3 | .5 | .2 | .1 | .1 | | .0 | | | | | | | | | 27 | 27 | 335 | 27 |
| 50/ 49 | | .1 | .3 | .1 | .1 | .0 | | .0 | | | | | | | | | | 17 | 17 | 264 | 29 |
| 48/ 47 | | .1 | .1 | .2 | | .0 | | | | | | | | | | | | 12 | 12 | 240 | 45 |
| 46/ 45 | | | .0 | | | | | | | | | | | | | | | 1 | 1 | 192 | 87 |
| 44/ 43 | | | .0 | | | | | | | | | | | | | | | 1 | 1 | 88 | 133 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | 58 | 168 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | 25 | 149 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 5 | 164 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 2 | 158 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 174 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 193 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 158 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 141 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 141 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRA CH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-45,52-72 YEARS | MAR MONTH

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

| Temp (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 110 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 88 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 58 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 67 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 57 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 35 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 31 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 16 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 22 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 9 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 11 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 6 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 6 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 2 |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | 2 |
| ~~-8/ -9~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| ~~-12/-15~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| TOTAL | | .6 | 1.6 | 2.1 | 2.7 | 3.6 | 4.6 | 7.6 | 11.0 | 12.3 | 12.4 | 14.4 | 12.2 | 8.1 | 4.1 | 1.9 | .6 | | 2310 | | 2310 |
| | | | | | | | | | | | | | | | | | | 2310 | | 2310 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 2282065 | 63195 | 27.4 | 5.472 | 2309 | | | | | | | |
| Dry Bulb | 11559836 | 162142 | 70.2 | 8.802 | 2310 | | | 60.6 | 39.9 | 14.1 | | 93 |
| Wet Bulb | 6231017 | 119453 | 51.7 | 4.834 | 2310 | | | | | | | 93 |
| Dew Point | 2582917 | 73361 | 31.8 | 10.479 | 2310 | .5 | 46.5 | | | | | 93 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING PAGE 1
USAF ETAC
AIR WEATHER SERVICE/ AC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-45,52-72 YEARS | MAR MONTH

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

| Temp. (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 |
| 96/ 95 | | | | | | | | | | | | | | | | | .1 | 2 | 2 | | |
| 94/ 93 | | | | | | | | | | | | | | | | | .4 | 9 | 9 | | |
| 92/ 91 | | | | | | | | | | | | | | | | .2 | .6 | 20 | 20 | | |
| 90/ 89 | | | | | | | | | | | | | | | .2 | .5 | .7 | 33 | 33 | | |
| 88/ 87 | | | | | | | | | | | | | .0 | | .7 | 1.8 | .6 | 73 | 73 | | |
| 86/ 85 | | | | | | | | | | | | .0 | .4 | .9 | 1.7 | 1.4 | .3 | 112 | 112 | | |
| 84/ 83 | | | | | | | | | | | .1 | .1 | .6 | 1.3 | 1.9 | .8 | .0 | 114 | 114 | | |
| 82/ 81 | | | | | | | | | | .0 | .2 | .2 | 1.6 | 2.4 | 2.3 | .3 | .1 | 165 | 165 | | |
| 80/ 79 | | | | | | | | | | .0 | .4 | .6 | 2.9 | 3.1 | 1.3 | .2 | | 196 | 196 | | |
| 78/ 77 | | | | | | | | | .0 | .4 | .6 | 1.3 | 2.5 | 2.3 | .7 | .0 | | 182 | 182 | | |
| 76/ 75 | | | | | | | | | .1 | .5 | 1.5 | 1.5 | 2.3 | 1.3 | .2 | | | 171 | 171 | | |
| 74/ 73 | | | | | | | | .1 | .4 | 1.3 | 1.7 | 1.8 | 2.0 | .7 | .2 | | | 191 | 191 | | |
| 72/ 71 | | | | | | | .0 | .1 | .8 | 1.0 | 1.4 | 2.0 | 1.1 | .4 | | | | 161 | 161 | | |
| 70/ 69 | | | | | | .0 | .0 | .5 | 1.3 | 1.3 | 1.5 | 1.6 | 1.0 | .0 | | | | 168 | 168 | | |
| 68/ 67 | | | | | .0 | .1 | .3 | .7 | 1.6 | 1.1 | 1.4 | 1.0 | .2 | | | | | 150 | 150 | | |
| 66/ 65 | | | | | | .3 | .6 | .6 | .9 | 1.3 | 1.0 | .7 | .1 | | | | | 126 | 126 | | |
| 64/ 63 | | | | | .0 | .3 | .5 | .4 | .9 | 1.8 | .8 | .1 | | | | | | 113 | 113 | 8 | |
| 62/ 61 | | .1 | | .0 | .2 | .7 | .5 | .2 | .6 | .6 | .5 | .0 | | | | | | 80 | 80 | 44 | |
| 60/ 59 | | .0 | | .1 | .4 | .6 | .3 | .6 | .5 | .8 | .2 | | | | | | | 83 | 83 | 138 | 1 |
| 58/ 57 | | .0 | .4 | .2 | .3 | .2 | .5 | .3 | .3 | .3 | | | | | | | | 59 | 59 | 230 | 2 |
| 56/ 55 | | .1 | .2 | .2 | .6 | .2 | .4 | .0 | .2 | .3 | | | | | | | | 51 | 51 | 407 | 1 |
| 54/ 53 | | .1 | .1 | .3 | | .1 | .1 | .1 | .0 | | | | | | | | | 20 | 20 | 357 | 6 |
| 52/ 51 | | .0 | .2 | .2 | | .0 | | | .0 | | | | | | | | | 13 | 13 | 325 | 18 |
| 50/ 49 | | .1 | .3 | .0 | .0 | .0 | | | | | | | | | | | | 12 | 12 | 277 | 25 |
| 48/ 47 | | .2 | | | .0 | | | | | | | | | | | | | 5 | 5 | 221 | 43 |
| 46/ 45 | | .0 | | | | | | | | | | | | | | | | 1 | 1 | 148 | 54 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 69 | 96 |
| 42/ 41 | | | .0 | | | | | | | | | | | | | | | 1 | 1 | 48 | 115 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | 14 | 137 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 4 | 138 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 1 | 143 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 165 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 150 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 199 |

| 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 | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSI [illegible]
USAF ETAC
AIR WEATHER SERVICE/ AC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-45,52-72 YEARS | MAR MONTH



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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 172 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 167 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 152 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 88 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 80 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 96 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 68 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 47 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 44 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 26 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 28 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 15 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 16 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 9 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 4 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 3 |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | 3 |
| TOTAL | | .7 | 1.3 | 1.0 | 1.7 | 2.6 | 3.3 | 3.7 | 7.8 | 10.7 | 11.1 | 11.2 | 14.0 | 12.2 | 9.3 | 5.3 | 3.0 | | 2311 | | 2311 |
| | | | | | | | | | | | | | | | | | | 2311 | | 2311 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 1743278 | 534633 | 23.1 | 14.804 | 2310 | | | | | | | |
| Dry Bulb | 12537067 | 168871 | 73.1 | 9.212 | 2311 | | | 70.3 | 51.0 | 25.6 | .4 | 93 |
| Wet Bulb | 6371562 | 120972 | 52.3 | 4.716 | 2311 | | | | | | | 93 |
| Dew Point | 228 417 | 6647 | 29.6 | 10.522 | 2311 | .4 | 55.0 | | | | | 93 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING [illegible]
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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-45,52-72 YEARS | MAR MONTH

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

| Temp. (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 | | | | | | | | | | | | | | | | | .1 | 2 | 2 | | |
| 92/ 91 | | | | | | | | | | | | | | | | .1 | .0 | 3 | 3 | | |
| 90/ 89 | | | | | | | | | | | | | | | .0 | .1 | .1 | 7 | 7 | | |
| 88/ 87 | | | | | | | | | | | | | | | .1 | .3 | .0 | 10 | 10 | | |
| 86/ 85 | | | | | | | | | | | | | .1 | .2 | .5 | .3 | .0 | 26 | 26 | | |
| 84/ 83 | | | | | | | | | | | | .0 | .1 | .5 | .8 | .2 | | 38 | 38 | | |
| 82/ 81 | | | | | | | | | | | .1 | .2 | .3 | 1.0 | .4 | .2 | | 51 | 51 | | |
| 80/ 79 | | | | | | | | | | .0 | .1 | .6 | 1.7 | 1.4 | .3 | .0 | | 97 | 97 | | |
| 78/ 77 | | | | | | | | | .0 | .1 | .6 | 1.2 | 1.9 | .9 | .2 | | | 112 | 112 | | |
| 76/ 75 | | | | | | | | | .3 | .2 | 1.3 | 1.9 | 1.9 | .6 | .1 | | | 141 | 141 | | |
| 74/ 73 | | | | | | | | .2 | .3 | 1.0 | 2.1 | 2.0 | 1.1 | .2 | | | | 159 | 159 | | |
| 72/ 71 | | | | | | | .1 | .2 | 1.3 | 1.3 | 2.3 | 1.9 | .9 | .1 | | | | 181 | 181 | | |
| 70/ 69 | | | | | | .1 | .2 | .3 | 1.6 | 2.9 | 2.4 | 1.3 | .6 | | | | | 217 | 217 | | |
| 68/ 67 | | | | | .0 | .1 | .6 | .7 | 1.8 | 2.4 | 1.8 | 1.0 | .0 | | | | | 199 | 199 | | |
| 66/ 65 | | | | | .1 | .2 | 1.2 | 1.4 | 1.9 | 1.8 | 1.4 | .3 | | | | | | 192 | 192 | | |
| 64/ 63 | | | | | | .4 | 1.3 | 1.4 | 2.0 | 1.4 | .8 | .2 | | | | | | 177 | 177 | | |
| 62/ 61 | | | | .2 | .4 | .8 | 1.0 | 1.0 | 1.6 | 1.6 | .2 | .0 | | | | | | 155 | 155 | 14 | |
| 60/ 59 | | .1 | .0 | .1 | .3 | .7 | .4 | 1.6 | 1.1 | .6 | .3 | .1 | | | | | | 131 | 131 | 50 | |
| 58/ 57 | | | .3 | .3 | .8 | .3 | .6 | .9 | 1.1 | .5 | .0 | | | | | | | 112 | 112 | 120 | 1 |
| 56/ 55 | | | .5 | .5 | .5 | .4 | 1.1 | .4 | .7 | .2 | .0 | | | | | | | 103 | 103 | 245 | 2 |
| 54/ 53 | | .1 | .5 | .3 | .5 | .5 | .3 | .4 | .2 | | | | | | | | | 64 | 64 | 375 | 5 |
| 52/ 51 | | .3 | .7 | .4 | .4 | .1 | .2 | .2 | .1 | | | | | | | | | 56 | 56 | 387 | 21 |
| 50/ 49 | | .3 | .6 | .2 | .0 | .1 | .2 | .1 | | | | | | | | | | 37 | 37 | 345 | 32 |
| 48/ 47 | | .4 | .3 | .1 | .0 | .1 | .1 | .1 | | | | | | | | | | 28 | 28 | 255 | 53 |
| 46/ 45 | .0 | .1 | .0 | | | .0 | .0 | .0 | | | | | | | | | | 8 | 8 | 229 | 85 |
| 44/ 43 | | | .0 | | | | | .0 | | | | | | | | | | 2 | 2 | 154 | 124 |
| 42/ 41 | | .0 | .0 | .0 | | | | | | | | | | | | | | 3 | 3 | 56 | 126 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | 49 | 139 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 19 | 155 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 9 | 182 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 2 | 180 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 1 | 183 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | 1 | 191 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 155 |

| 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 | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING [illegible]
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-45,52-72 YEARS | MAR MONTH

PAGE 2 | 1800-2000 HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 152 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 101 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 85 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 73 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 88 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 52 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 38 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 26 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 20 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 11 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 12 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 10 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 3 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 1 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 2 |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | 2 |
| ~~-8/ -9~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| TOTAL | .0 | 1.3 | 3.0 | 2.4 | 3.3 | 3.7 | 7.7 | 9.2 | 13.5 | 14.0 | 13.5 | 10.8 | 8.6 | 4.8 | 2.6 | 1.2 | .3 | | 2311 | | 2311 |
| | | | | | | | | | | | | | | | | | | 2311 | | 2311 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 2764095 | 69385 | 30.0 | 17.169 | 2311 | | | | | | | |
| Dry Bulb | 10586963 | 155063 | 67.1 | 6.890 | 2311 | | | 50.0 | 26.0 | 7.6 | .1 | 93 |
| Wet Bulb | 5282542 | 116064 | 50.2 | 4.814 | 2311 | | .1 | | | | | 93 |
| Dew Point | 2511452 | 72562 | 31.4 | 10.019 | 2311 | .2 | 48.5 | | | | | 93 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
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AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION — LUKE AFB ARIZONA/PHOENIX STATION NAME — 42-45,52-72 YEARS — MAR MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 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 | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84/ 83 | | | | | | | | | | | | | | | .0 | | | 1 | 1 | | |
| 80/ 79 | | | | | | | | | | | | | .1 | | .1 | | | 5 | 5 | | |
| 78/ 77 | | | | | | | | | | | .0 | .2 | .1 | | .0 | | | 9 | 9 | | |
| 76/ 75 | | | | | | | | | .0 | .0 | .3 | .3 | .2 | .0 | | | | 23 | 23 | | |
| 74/ 73 | | | | | | | | | .1 | .4 | .6 | .4 | .3 | .0 | | | | 43 | 43 | | |
| 72/ 71 | | | | | | | .1 | | .2 | .6 | .9 | .5 | .1 | | | | | 55 | 55 | | |
| 70/ 69 | | | | | | .0 | .2 | .4 | .5 | 1.6 | 1.6 | .4 | .3 | | | | | 115 | 115 | | |
| 68/ 67 | | | | | | .2 | .3 | .6 | 1.3 | 1.2 | 1.1 | .3 | | | | | | 115 | 115 | | |
| 66/ 65 | | | | .. | .1 | .1 | .3 | 1.8 | 2.4 | 1.9 | .4 | | | | | | | 168 | 168 | | |
| 64/ 63 | | | | .0 | .1 | .7 | 1.2 | 2.5 | 2.2 | 1.6 | .6 | .0 | | | | | | 201 | 201 | | |
| 62/ 61 | | | .0 | .3 | .5 | 1.3 | 1.8 | 2.1 | 1.8 | 1.0 | .3 | | | | | | | 212 | 212 | | |
| 60/ 59 | | .1 | .2 | .3 | 1.3 | 1.7 | 2.4 | 2.3 | 1.9 | .7 | .0 | | | | | | | 254 | 255 | 10 | |
| 58/ 57 | | .1 | .3 | .7 | 1.1 | 2.1 | 2.3 | 1.9 | 1.4 | .1 | | | | | | | | 231 | 231 | 20 | |
| 56/ 55 | | .0 | .5 | 1.0 | 1.5 | 1.5 | 2.6 | 1.5 | .7 | .3 | | | | | | | | 223 | 223 | 80 | 5 |
| 54/ 53 | | .1 | 1.0 | 1.0 | 1.0 | 1.6 | 1.4 | 1.2 | .5 | .1 | | | | | | | | 185 | 185 | 163 | 10 |
| 52/ 51 | | .5 | 1.2 | .9 | 1.1 | 1.5 | 1.3 | .4 | .1 | | | | | | | | | 160 | 160 | 292 | 23 |
| 50/ 49 | | .6 | .9 | 1.0 | .9 | 1.0 | .6 | .3 | .0 | | | | | | | | | 131 | 131 | 370 | 37 |
| 48/ 47 | | .3 | .4 | .6 | .5 | .6 | .6 | .1 | | | | | | | | | | 71 | 71 | 373 | 77 |
| 46/ 45 | .0 | 1.0 | .0 | .2 | .3 | .2 | .1 | | | | | | | | | | | 57 | 57 | 297 | 119 |
| 44/ 43 | .0 | .5 | .2 | .2 | .1 | .3 | .1 | | | | | | | | | | | 31 | 31 | 284 | 108 |
| 42/ 41 | | .1 | | .0 | .1 | .2 | .1 | | | | | | | | | | | 12 | 12 | 193 | 150 |
| 40/ 39 | | .0 | .0 | .0 | .0 | .0 | .1 | | | | | | | | | | | 7 | 7 | 108 | 178 |
| 38/ 37 | | | .1 | | | | | | | | | | | | | | | 2 | 2 | 59 | 180 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 41 | 211 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 10 | 154 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 7 | 166 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | 3 | 175 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 1 | 158 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 118 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 99 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 88 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 53 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 65 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 42 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | > 80 F | < 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-45,52-72 YEARS | MAR MONTH

PAGE 2 | 2100-2300 HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 31 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 21 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 18 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 8 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 9 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 5 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 4 |
| TOTAL | .1 | 3.4 | 5.4 | 6.4 | 8.6 | 13.2 | 15.6 | 15.4 | 13.0 | 9.5 | 5.9 | 2.3 | 1.0 | .1 | .2 | | | | 2312 | | 2312 |
| | | | | | | | | | | | | | | | | | | 2311 | | 2311 | |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 4708922 | 94883 | 41.0 | 18.814 | 2311 | | | | | | | |
| Dry Bulb | 8149273 | 136192 | 58.9 | 7.404 | 2312 | | | 14.7 | 3.3 | .1 | | 93 |
| Wet Bulb | 5148005 | 108485 | 46.9 | 4.897 | 2311 | | .4 | | | | | 93 |
| Dew Point | 2715394 | 76026 | 32.9 | 9.726 | 2312 | | 42.6 | | | | | 93 |

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | APR MONTH

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

| Temp. (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 | | | .0 | | | 5 | 5 | | |
| 78/ 77 | | | | | | | | | .3 | .0 | .2 | .1 | .3 | | | | | 16 | 16 | | |
| 76/ 75 | | | | | | | | .0 | .0 | .3 | .3 | .3 | .3 | | | | | 28 | 28 | | |
| 74/ 73 | | | | | | | | .0 | .4 | .4 | .6 | .6 | .4 | | | | | 59 | 59 | | |
| 72/ 71 | | | | | | | .3 | .3 | .4 | 1.0 | .9 | 1.3 | .2 | | | | | 90 | 90 | | |
| 70/ 69 | | | | | | | .2 | .9 | 1.2 | 1.8 | 2.2 | .6 | .2 | | | | | 166 | 166 | | |
| 68/ 67 | | | | | | .1 | .7 | 1.4 | 1.7 | 2.5 | 1.6 | .3 | | | | | | 195 | 195 | | |
| 66/ 65 | | | | .1 | .1 | .3 | 1.3 | 1.9 | 2.6 | 3.3 | 1.2 | .1 | | | | | | 260 | 260 | | |
| 64/ 63 | | | .0 | .2 | .2 | .3 | 1.8 | 2.2 | 3.0 | 2.1 | .5 | .1 | | | | | | 247 | 247 | | |
| 62/ 61 | | .0 | .3 | .2 | .5 | .7 | 1.6 | 2.7 | 2.2 | 1.2 | .3 | | | | | | | 230 | 230 | 4 | |
| 60/ 59 | | .0 | .3 | .4 | .4 | .8 | 2.0 | 3.4 | 2.0 | .5 | | | | | | | | 257 | 257 | 16 | |
| 58/ 57 | | .1 | .4 | .4 | .4 | 1.6 | 2.2 | 3.0 | 1.1 | .1 | | | | | | | | 224 | 224 | 59 | 5 |
| 56/ 55 | | .3 | .2 | .3 | .7 | 1.4 | 2.4 | 1.9 | .4 | .1 | | | | | | | | 179 | 179 | 123 | 9 |
| 54/ 53 | | .1 | .4 | .5 | .7 | 1.0 | 1.6 | .9 | .1 | .1 | | | | | | | | 127 | 127 | 209 | 19 |
| 52/ 51 | .0 | .1 | .2 | .5 | .5 | .9 | 1.3 | .5 | .1 | | | | | | | | | 99 | 99 | 280 | 26 |
| 50/ 49 | | .4 | .3 | .7 | .7 | 1.0 | .7 | .3 | | | | | | | | | | 93 | 93 | 362 | 42 |
| 48/ 47 | | .2 | | .3 | .5 | .7 | .3 | | | | | | | | | | | 47 | 47 | 407 | 41 |
| 46/ 45 | | .2 | .2 | .2 | .3 | .2 | .0 | | | | | | | | | | | 26 | 26 | 333 | 85 |
| 44/ 43 | | .3 | .1 | .2 | | .0 | .0 | | | | | | | | | | | 15 | 15 | 255 | 99 |
| 42/ 41 | | .0 | | | | | .0 | | | | | | | | | | | 2 | 2 | 151 | 145 |
| 40/ 39 | | | | | | .0 | | | | | | | | | | | | 1 | 1 | 98 | 143 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 51 | 159 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 14 | 186 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 2 | 176 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 1 | 207 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | 1 | 219 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 198 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 177 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 135 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 88 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 68 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 56 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 36 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 20 |

| 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 | | | | | | | | | | | | |

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | APR MONTH

PAGE 2 | 0000-0200 HOURS (L. S. T.)

| Temp. (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 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 15 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 3 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 7 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 1 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | .0 | 1.7 | 2.4 | 4.[illegible] | 4.9 | 16.1 | 16.3 | 19.4 | 15.4 | 13.5 | 7.8 | 3.1 | 1.3 | | .0 | | | | 2366 | | 2366 |
| | | | | | | | | | | | | | | | | | | 2366 | | 2366 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 3735856 | 86372 | 36.5 | 15.698 | 2366 | | | | | | | |
| Dry Bulb | 8990620 | 144906 | 61.2 | 6.998 | 2366 | | | 21.3 | 4.1 | .1 | | 90 |
| Wet Bulb | 5476571 | 113291 | 47.8 | 4.800 | 2366 | | .1 | | | | | 90 |
| Dew Point | 2588935 | 74981 | 32.5 | 6.981 | 2366 | | 46.8 | | | | | 90 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
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# PSYCHROMETRIC SUMMARY

23111 STATION — LUKE AFB ARIZONA/PHOENIX STATION NAME — 42-46,51-72 YEARS — APR MONTH

PAGE 1 — 0300-0500 HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 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 | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ~~92/ 91~~ | | | | | | | | | | | | | | | | | ~~.0~~ | ~~1~~ | ~~1~~ | | |
| 78/ 77 | | | | | | | | | | | .0 | .0 | | | | | | 2 | 2 | | |
| 74/ 73 | | | | | | | | | .0 | .2 | .1 | .2 | | | | | | 12 | 12 | | |
| 72/ 71 | | | | | | | | .0 | .3 | .2 | .2 | .3 | | | | | | 24 | 24 | | |
| 70/ 69 | | | | | | .0 | .0 | .3 | .3 | .4 | .6 | .3 | | | | | | 47 | 47 | | |
| 68/ 67 | | | | | | | .3 | .5 | .7 | .8 | .5 | .1 | | | | | | 70 | 70 | | |
| 66/ 65 | | | | .0 | .0 | .4 | .9 | 1.0 | 1.3 | 1.2 | .2 | .1 | | | | | | 125 | 125 | | |
| 64/ 63 | | | .1 | .1 | .3 | .6 | 1.2 | 2.1 | 1.5 | 1.1 | .5 | .1 | | | | | | 177 | 177 | | |
| 62/ 61 | | | .0 | .1 | .5 | 1.3 | 1.9 | 1.9 | 2.2 | .6 | .1 | | | | | | | 201 | 201 | | |
| 60/ 59 | | .1 | .2 | .3 | .8 | 1.6 | 3.1 | 3.1 | 1.9 | .3 | .1 | | | | | | | 269 | 269 | 5 | |
| 58/ 57 | | .2 | .5 | .6 | .9 | 2.0 | 3.1 | 3.0 | 1.5 | .1 | | | | | | | | 282 | 282 | 16 | 2 |
| 56/ 55 | | .2 | .6 | .7 | 1.5 | 3.5 | 3.5 | 2.2 | .4 | .0 | | | | | | | | 299 | 299 | 71 | 11 |
| 54/ 53 | | .3 | .5 | .7 | 1.6 | 2.9 | 2.5 | .8 | .3 | | | | | | | | | 226 | 226 | 109 | 9 |
| 52/ 51 | | .3 | .5 | .7 | 1.8 | 2.2 | 2.3 | .3 | | | | | | | | | | 191 | 191 | 187 | 24 |
| 50/ 49 | | .5 | .6 | .8 | 1.5 | 1.7 | 1.0 | .1 | | | | | | | | | | 147 | 147 | 294 | 38 |
| 48/ 47 | | .2 | .3 | .9 | 1.1 | 1.9 | .8 | .1 | | | | | | | | | | 137 | 137 | 340 | 53 |
| 46/ 45 | | .2 | .3 | .5 | 1.1 | 1.2 | .2 | | | | | | | | | | | 83 | 83 | 393 | 85 |
| 44/ 43 | | .3 | .3 | .6 | .5 | .4 | .1 | .0 | | | | | | | | | | 51 | 51 | 364 | 84 |
| 42/ 41 | | .2 | .2 | .1 | .1 | .1 | | | | | | | | | | | | 17 | 17 | 234 | 135 |
| 40/ 39 | | | | | .1 | | | | | | | | | | | | | 2 | 2 | 175 | 155 |
| 38/ 37 | | | | .1 | .0 | | | | | | | | | | | | | 3 | 3 | 105 | 180 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 50 | 201 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 15 | 201 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 7 | 204 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | 1 | 207 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 186 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 171 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 155 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 85 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 58 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 42 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 29 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 26 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 13 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | APR MONTH

PAGE 2 | 0300-0500 HOURS (L. S. T.)

| Temp (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 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 6 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 5 |
| ~~3/ 1~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| TOTAL | | 2.2 | 4.7 | 6.2 | 11.7 | 18.9 | 21.0 | 15.5 | 10.5 | 4.9 | 2.2 | 1.1 | | | | | ~~.0~~ | | 2366 | | 2366 |
| | | | | | | | | | | | | | | | | | | 2366 | | 2366 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 4893742 | 100644 | 42.5 | 16.094 | 2366 | | | | | | | |
| Dry Bulb | 7702643 | 134091 | 56.7 | 6.604 | 2366 | | | 3.9 | .6 | ~~.0~~ | | 90 |
| Wet Bulb | 4995322 | 108096 | 45.7 | 4.897 | 2366 | | .3 | | | | | 90 |
| Dew Point | 2593074 | 77094 | 32.6 | 8.749 | 2366 | | 45.2 | | | | | 90 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 SUPERSEDES PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | APR MONTH

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

| Temp. (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 |
| 82/ 81 | | | | | | | | | | | | | .0 | | | | | 1 | 1 | | |
| 80/ 79 | | | | | | | | | | | .0 | | | | | | | 1 | 1 | | |
| 78/ 77 | | | | | | | | | | | | .1 | | .0 | | | | 3 | 3 | | |
| 76/ 75 | | | | | | | | .1 | .0 | .3 | .1 | .3 | .1 | .0 | | | | 24 | 24 | | |
| 74/ 73 | | | | | | | | | .2 | .3 | .3 | .1 | | | | | | 21 | 21 | | |
| 72/ 71 | | | | | | | .0 | .2 | .5 | .4 | .6 | .4 | .0 | | | | | 50 | 50 | | |
| 70/ 69 | | | | | .0 | | .3 | .4 | .5 | 1.1 | .8 | .3 | .0 | | | | | 81 | 81 | | |
| 68/ 67 | | | | | .2 | .1 | .3 | .9 | 1.1 | 1.4 | .5 | .1 | | | | | | 107 | 107 | | |
| 66/ 65 | | | | .1 | .1 | .4 | 1.0 | 1.4 | 1.3 | 1.1 | .2 | | | | | | | 148 | 148 | | |
| 64/ 63 | | | .0 | .1 | .5 | .8 | 1.4 | 2.2 | 2.6 | .8 | .2 | .1 | | | | | | 204 | 204 | 1 | |
| 62/ 61 | | | .2 | .1 | .5 | .8 | 2.1 | 2.4 | 1.6 | .5 | .1 | | | | | | | 197 | 198 | 3 | |
| 60/ 59 | | .1 | .2 | .2 | 1.3 | 1.5 | 2.4 | 3.1 | 1.5 | .5 | .2 | | | | | | | 266 | 266 | 16 | |
| 58/ 57 | | .0 | .3 | .5 | 1.1 | 2.4 | 2.2 | 2.5 | .8 | .1 | | | | | | | | 233 | 233 | 40 | 2 |
| 56/ 55 | | .2 | .5 | .8 | 1.4 | 3.0 | 3.0 | 1.8 | .3 | | | | | | | | | 263 | 263 | 90 | 17 |
| 54/ 53 | | .0 | .5 | .7 | 1.3 | 2.4 | 2.7 | .9 | .1 | | | | | | | | | 206 | 206 | 145 | 11 |
| 52/ 51 | .0 | .5 | .4 | .6 | 1.5 | 2.7 | 1.6 | .4 | .1 | | | | | | | | | 187 | 187 | 247 | 25 |
| 50/ 49 | | .3 | .5 | 1.1 | 1.4 | 2.0 | .8 | .1 | | | | | | | | | | 145 | 145 | 316 | 48 |
| 48/ 47 | | .4 | .3 | .6 | 1.1 | 1.1 | .8 | .1 | | | | | | | | | | 106 | 106 | 345 | 54 |
| 46/ 45 | | .2 | .1 | .5 | .6 | .6 | .2 | | | | | | | | | | | 57 | 57 | 339 | 100 |
| 44/ 43 | | .1 | .3 | .3 | .6 | .3 | .0 | .0 | | | | | | | | | | 40 | 40 | 293 | 106 |
| 42/ 41 | | .1 | .2 | .4 | .0 | .0 | | | | | | | | | | | | 18 | 18 | 247 | 132 |
| 40/ 39 | | .3 | | .0 | .1 | | .0 | | | | | | | | | | | 6 | 6 | 140 | 174 |
| 38/ 37 | | | | | .0 | | | | | | | | | | | | | 1 | 1 | 76 | 183 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 50 | 207 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 10 | 228 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 5 | 199 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | 1 | 234 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 1 | 177 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 133 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 99 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 81 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 51 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 39 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 31 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | APR MONTH

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

| Temp (F) | WET BULB TEMPERATURE DEPRESSION (F) 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 | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 17 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 3 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 5 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 3 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 5 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | .0 | 1.6 | 3.7 | 5.4 | 12.1 | 18.7 | 18.8 | 16.5 | 11.2 | 6.3 | 2.9 | 1.4 | .3 | .1 | | | | 2365 | 2366 | 2365 | 2365 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | 4770235 | 99677 | 42.1 | 15.517 | 2365 | | | | | | | |
| Dry Bulb | 8061870 | 137062 | 57.9 | 7.179 | 2366 | | | 11.0 | 1.9 | .1 | | 90 |
| Wet Bulb | 5192821 | 110141 | 46.6 | 5.179 | 2365 | | .3 | | | | | 90 |
| Dew Point | 2835879 | 79253 | 33.5 | 8.662 | 2365 | | 41.0 | | | | | 90 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | APR MONTH

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

| Temp (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 |
| 92/ 91 | | | | | | | | | | | | | | .0 | | .1 | | 3 | 3 | | |
| 90/ 89 | | | | | | | | | | | | | .1 | .2 | .3 | .1 | .0 | 18 | 18 | | |
| 88/ 87 | | | | | | | | | | | | | .2 | .2 | .3 | .2 | .0 | 21 | 21 | | |
| 86/ 85 | | | | | | | | | | | .2 | .3 | .1 | .5 | .7 | .3 | | 50 | 50 | | |
| 84/ 83 | | | | | | | | | | .0 | .1 | .5 | .8 | 1.1 | .7 | .2 | .0 | 85 | 85 | | |
| 82/ 81 | | | | | | | | | | .2 | .5 | .9 | 1.1 | 1.5 | .7 | | | 118 | 118 | | |
| 80/ 79 | | | | | | | .0 | .0 | .0 | .5 | .5 | 1.6 | 1.8 | 1.6 | .2 | .0 | | 147 | 147 | | |
| 78/ 77 | | | | | | | | .0 | .1 | .9 | 1.3 | 1.5 | 2.2 | 1.3 | .1 | | | 176 | 176 | | |
| 76/ 75 | | | | | | .0 | .1 | .1 | .5 | 1.3 | 1.8 | 2.7 | 2.3 | .7 | | | | 223 | 223 | | |
| 74/ 73 | | | | | | .0 | .2 | .3 | .9 | 1.6 | 2.5 | 2.2 | .8 | .1 | | | | 207 | 207 | | |
| 72/ 71 | | | | | .3 | | .3 | .7 | 1.2 | 2.0 | 2.3 | 2.1 | .8 | | | | | 218 | 218 | | |
| 70/ 69 | | | | | .0 | .3 | .3 | .9 | 1.6 | 2.0 | 2.6 | 1.5 | .8 | | | | | 225 | 225 | | |
| 68/ 67 | | | | .1 | .1 | .3 | .5 | 1.2 | 1.9 | 2.1 | 1.3 | .4 | .1 | | | | | 190 | 190 | 4 | |
| 66/ 65 | | | .0 | | .1 | .3 | .3 | 1.1 | 1.8 | 1.5 | 1.1 | .3 | | | | | | 155 | 155 | 11 | |
| 64/ 63 | | | | | .3 | .5 | 1.1 | .8 | 1.6 | 1.1 | .5 | | | | | | | 146 | 146 | 36 | |
| 62/ 61 | | | .0 | .1 | .3 | .1 | .8 | 1.4 | 1.3 | .8 | .0 | | | | | | | 117 | 117 | 79 | 1 |
| 60/ 59 | | | | .1 | .2 | .5 | 1.0 | .9 | .7 | .4 | | .0 | | | | | | 94 | 94 | 157 | 4 |
| 58/ 57 | | .0 | | .2 | .2 | .5 | .6 | .6 | .3 | .1 | .0 | | | | | | | 61 | 61 | 248 | 7 |
| 56/ 55 | | | .2 | .2 | .2 | .5 | .6 | .3 | .0 | .1 | | | | | | | | 52 | 52 | 322 | 12 |
| 54/ 53 | | .2 | .2 | .1 | .2 | .2 | .3 | .3 | .1 | | | | | | | | | 34 | 34 | 380 | 15 |
| 52/ 51 | | .0 | .0 | .2 | .1 | .2 | .2 | | .0 | | | | | | | | | 14 | 14 | 359 | 32 |
| 50/ 49 | | | | .1 | .2 | | | | | | | | | | | | | 5 | 5 | 311 | 82 |
| 48/ 47 | | | | .3 | | | | | | | | | | | | | | 6 | 6 | 201 | 106 |
| 46/ 45 | | | | .2 | | | | | | | | | | | | | | 1 | 1 | 135 | 79 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 64 | 124 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | 30 | 147 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | 4 | 165 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 5 | 186 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 190 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 189 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 222 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 165 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 143 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 151 |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | 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 | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 54 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | APR MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 108 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 78 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 59 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 29 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 35 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 12 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 7 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 2 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 4 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 2 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 2 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 1 |
| ~~-6/ -7~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| TOTAL | | .3 | .6 | 1.4 | 2.6 | 3.6 | 6.2 | 8.6 | 12.2 | 14.6 | 14.8 | 14.1 | 10.3 | 7.3 | 3.0 | 1.0 | .1 | | 2366 | | 2366 |
| | | | | | | | | | | | | | | | | | | 2366 | | 2366 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 2289355 | 66833 | 28.2 | 13.030 | 2366 | | | | | | | |
| Dry Bulb | 12075124 | 167922 | 71.0 | 8.183 | 2366 | | | 63.9 | 39.9 | 13.7 | | 90 |
| Wet Bulb | 6635545 | 124761 | 52.7 | 4.901 | 2366 | | | .2 | | | | 90 |
| Dew Point | 2577109 | 80985 | 34.2 | 9.313 | 2366 | .1 | 39.1 | | | | | 90 |

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | APR MONTH

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

| Temp (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 |
| 100/ 99 | | | | | | | | | | | | | | | | .0 | .0 | 2 | 2 | | |
| 98/ 97 | | | | | | | | | | | | | | | | .1 | .4 | 11 | 11 | | |
| 96/ 95 | | | | | | | | | | | | | | | .2 | .1 | 1.0 | 30 | 30 | | |
| 94/ 93 | | | | | | | | | | | | | .1 | .2 | .4 | .2 | 1.7 | 60 | 60 | | |
| 92/ 91 | | | | | | | | | | | | | .1 | .2 | .3 | 1.0 | 1.9 | 84 | 84 | | |
| 90/ 89 | | | | | | | | | | | | .1 | .3 | .6 | .6 | 1.6 | 1.9 | 119 | 119 | | |
| 88/ 87 | | | | | | | | | | .0 | | .2 | .3 | .8 | 1.7 | 2.3 | .8 | 144 | 144 | | |
| 86/ 85 | | | | | | | | | | | .1 | .4 | .9 | 1.3 | 3.5 | 3.1 | .2 | 224 | 224 | | |
| 84/ 83 | | | | | | | | | | .0 | .3 | .8 | 1.2 | 2.4 | 3.3 | .8 | | 210 | 210 | | |
| 82/ 81 | | | | | | | | | .1 | .1 | .3 | 1.1 | 1.9 | 2.6 | 2.6 | .1 | | 208 | 208 | | |
| 80/ 79 | | | | | | | | | | .4 | .6 | 1.0 | 2.4 | 2.7 | 1.6 | | | 205 | 203 | | |
| 78/ 77 | | | | | | | | .0 | .1 | 1.0 | .9 | 1.7 | 2.9 | 2.1 | .3 | | | 213 | 213 | | |
| 76/ 75 | | | | | | | .0 | .3 | .3 | .6 | 1.3 | 1.9 | 2.0 | .5 | .1 | | | 170 | 170 | | |
| 74/ 73 | | | | | | | | .2 | .3 | .6 | 1.5 | 1.2 | 1.4 | .2 | .0 | | | 129 | 129 | | |
| 72/ 71 | | | | | | .0 | .0 | .1 | .2 | .8 | 1.0 | 1.0 | .5 | .0 | | | | 87 | 87 | 1 | |
| 70/ 69 | | | | | | .1 | .1 | .5 | .5 | 1.1 | 1.4 | .8 | .3 | .0 | | | | 114 | 114 | 5 | |
| 68/ 67 | | | | | | .0 | .2 | .2 | .5 | 1.2 | 1.1 | .5 | .1 | | | | | 90 | 90 | 18 | |
| 66/ 65 | | | | | | .1 | .3 | .3 | .9 | .9 | .5 | .6 | | | | | | 86 | 86 | 44 | |
| 64/ 63 | | | | .0 | .0 | .2 | .1 | .3 | .2 | .7 | .2 | .1 | | | | | | 62 | 62 | 71 | 1 |
| 62/ 61 | | | | .1 | .1 | .1 | .1 | .2 | .2 | .0 | .0 | .0 | | | | | | 30 | 30 | 193 | |
| 60/ 59 | | | .0 | .1 | .1 | | .4 | .3 | .2 | .1 | .0 | | | | | | | 32 | 32 | 294 | |
| 58/ 57 | | .1 | .3 | .3 | .0 | .2 | .2 | .2 | | | .1 | | | | | | | 30 | 30 | 386 | 5 |
| 56/ 55 | | .1 | .0 | .0 | | .0 | .2 | | | | | | | | | | | 9 | 9 | 402 | 12 |
| 54/ 53 | | | .1 | .0 | .1 | | .0 | | | | | | | | | | | 6 | 6 | 383 | 20 |
| 52/ 51 | | | .0 | .0 | .1 | | | | | | | | | | | | | 4 | 4 | 222 | 45 |
| 50/ 49 | | | .0 | .0 | | | | | | | | | | | | | | 2 | 2 | 157 | 56 |
| 48/ 47 | | | .1 | .0 | | | | | | | | | | | | | | 3 | 3 | 122 | 86 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | 60 | 66 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 27 | 83 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | 6 | 98 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | 2 | 140 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 1 | 154 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 187 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 223 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

DATA PROCESSI [illegible] KA C-
USAF ETAC
AIR WEATHER SERVICE/[illegible]AC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 43-46,51-72 YEARS | APR MONTH

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

| Temp. (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 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 202 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 204 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 169 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 201 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 130 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 97 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 51 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | [illegible] |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 33 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 16 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 13 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 9 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 6 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 3 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 4 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 3 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | | .4 | .6 | .4 | .5 | .8 | 1.6 | 3.0 | 4.4 | 7.7 | 9.3 | 11.3 | 14.2 | 13.7 | 14.6 | 9.3 | 7.9 | | 2364 | | 2364 |
| | | | | | | | | | | | | | | | | | | 2364 | | 2364 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 1335261 | 49415 | 20.9 | 11.311 | 2364 | | | | | | | |
| Dry Bulb | 14829804 | 186020 | 78.7 | 9.017 | 2364 | | | 79.9 | 68.9 | 45.9 | 3.9 | 90 |
| Wet Bulb | 7326121 | 131097 | 55.5 | 4.871 | 2364 | | | .9 | | | | 90 |
| Dew Point | 2749422 | 77482 | 32.8 | 9.425 | 2364 | .1 | 45.2 | | | | | 90 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSI [illegible]
USAF ETAC
AIR WEATHER SERVICE/ AC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,52-72 YEARS | APR MONTH

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

| Temp (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | | | | | |
| 102/101 | | | | | | | | | | | | | | | | | .1 | | 3 | 3 | | |
| 100/ 99 | | | | | | | | | | | | | | | | .0 | .4 | | 10 | 10 | | |
| 98/ 97 | | | | | | | | | | | | | | | .0 | .1 | 1.8 | | 47 | 47 | | |
| 96/ 95 | | | | | | | | | | | | | | | .1 | .3 | 2.8 | | 75 | 75 | | |
| 94/ 93 | | | | | | | | | | | | | | .1 | .4 | .4 | 3.8 | | 109 | 109 | | |
| 92/ 91 | | | | | | | | | | | | | .0 | .3 | .6 | .9 | 3.4 | | 122 | 122 | | |
| 90/ 89 | | | | | | | | | | | | | .3 | .5 | .4 | 2.4 | 3.7 | | 172 | 172 | | |
| 88/ 87 | | | | | | | | | .0 | | | .2 | .5 | .7 | 1.6 | 3.9 | 2.3 | | 215 | 215 | | |
| 86/ 85 | | | | | | | | | | | .0 | .3 | .8 | 1.4 | 2.7 | 4.5 | .3 | | 237 | 237 | | |
| 84/ 83 | | | | | | | | | | | .1 | .6 | .5 | 1.9 | 3.2 | 2.1 | .1 | | 201 | 201 | | |
| 82/ 81 | | | | | | | | | | .1 | .3 | .4 | 1.4 | 2.3 | 3.2 | .3 | .0 | | 193 | 193 | | |
| 80/ 79 | | | | | | | | | .0 | .2 | .6 | .5 | 1.7 | 3.0 | 2.2 | .0 | | | 193 | 193 | | |
| 78/ 77 | | | | | | | | | .2 | .3 | .9 | 1.5 | 1.4 | 1.1 | .6 | | | | 144 | 144 | | |
| 76/ 75 | | | | | | | | .0 | .3 | .2 | .7 | 1.1 | 1.7 | 1.0 | .1 | | | | 122 | 122 | | |
| 74/ 73 | | | | | | | .0 | | | .4 | .7 | 1.3 | 1.7 | .1 | .0 | | | | 95 | 95 | | |
| 72/ 71 | | | | | | | .1 | .1 | .1 | .3 | .9 | 1.4 | .5 | .1 | | | | | 83 | 83 | 1 | |
| 70/ 69 | | | | | .0 | .1 | .0 | .3 | .2 | .6 | 1.8 | .7 | .4 | | | | | | 99 | 99 | 5 | |
| 68/ 67 | | | | | | .1 | .1 | .3 | .2 | .6 | .8 | .7 | .3 | | | | | | 75 | 75 | 19 | |
| 66/ 65 | | | | .1 | .1 | .1 | .0 | .1 | .3 | .5 | .2 | .2 | .0 | | | | | | 38 | 38 | 38 | |
| 64/ 63 | | | .0 | | .1 | .2 | .1 | .3 | .3 | .3 | .3 | | | | | | | | 40 | 40 | 96 | 1 |
| 62/ 61 | | | .0 | .1 | .2 | .1 | .2 | .2 | .3 | .2 | .2 | .1 | | | | | | | 34 | 34 | 215 | |
| 60/ 59 | | .1 | .1 | .2 | .3 | .0 | .1 | .3 | | .1 | .0 | | | | | | | | 29 | 29 | 322 | |
| 58/ 57 | | | .2 | | .2 | .1 | .0 | .1 | | | | | | | | | | | 11 | 11 | 443 | 4 |
| 56/ 55 | | | .1 | .0 | .0 | | | | .0 | | | | | | | | | | 4 | 4 | 410 | 6 |
| 54/ 53 | | .0 | | .0 | .0 | | | .0 | | | | | | | | | | | 4 | 4 | 286 | 15 |
| 52/ 51 | | .2 | | .1 | | | | | | | | | | | | | | | 4 | 4 | 213 | 27 |
| 50/ 49 | | | | .0 | | | | | | | | | | | | | | | 1 | 1 | 151 | 51 |
| 48/ 47 | | | .1 | | | | | | | | | | | | | | | | 2 | 2 | 83 | 60 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 51 | 86 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 21 | 56 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 3 | 64 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 5 | 96 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | | 123 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | | 147 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
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AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | APR MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 172 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 177 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 235 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 213 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 214 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 195 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 130 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 86 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 66 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 42 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 34 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 16 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 12 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 17 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 5 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 4 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 4 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 1 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 1 |
| ~~-8/ -9~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| ~~-10/-11~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| TOTAL | | .2 | .5 | .6 | .8 | .6 | .3 | 1.8 | 2.0 | 3.8 | 7.5 | 8.6 | 11.3 | 12.6 | 15.2 | 15.0 | 18.7 | | 2362 | | 2362 |
| | | | | | | | | | | | | | | | | | | 2362 | | 2362 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 1046679 | 42133 | 17.8 | 11.180 | 2362 | | | | | | | |
| Dry Bulb | 15845545 | 192221 | 81.4 | 9.261 | 2362 | | | 83.6 | 73.0 | 56.6 | 9.3 | 90 |
| Wet Bulb | 7445632 | 132144 | 55.9 | 4.726 | 2362 | | | 1.0 | | | | 90 |
| Dew Point | 2427086 | 72172 | 30.6 | 9.693 | 2362 | .2 | 55.4 | | | | | 90 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | APR MONTH

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

| Temp (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 |
| 100/ 99 | | | | | | | | | | | | | | | | | .0 | 1 | 1 | | |
| 98/ 97 | | | | | | | | | | | | | | | | | .2 | 4 | 4 | | |
| 96/ 95 | | | | | | | | | | | | | | | | .1 | .6 | 17 | 17 | | |
| 94/ 93 | | | | | | | | | | | | | | .0 | .1 | .1 | .9 | 28 | 28 | | |
| 92/ 91 | | | | | | | | | | | | | | .0 | | .3 | 1.5 | 44 | 44 | | |
| 90/ 89 | | | | | | | | | | | | | .1 | .3 | .4 | .8 | 1.4 | 72 | 72 | | |
| 88/ 87 | | | | | | | | | | | | | .2 | .3 | .7 | 1.9 | .6 | 87 | 87 | | |
| 86/ 85 | | | | | | | | | | | | .1 | .5 | .8 | 2.5 | 2.2 | .1 | 147 | 147 | | |
| 84/ 83 | | | | | | | | | | | .1 | .5 | .9 | 1.8 | 2.8 | 1.1 | .1 | 171 | 171 | | |
| 82/ 81 | | | | | | | | | | .1 | .3 | .6 | 1.2 | 2.2 | 2.5 | .3 | | 170 | 170 | | |
| 80/ 79 | | | | | | | | | | .2 | .7 | .9 | 2.4 | 3.3 | 1.7 | .1 | | 219 | 219 | | |
| 78/ 77 | | | | | | | | | .0 | .6 | 1.0 | 2.5 | 3.3 | 2.5 | .0 | | | 236 | 236 | | |
| 76/ 75 | | | | | | | | .2 | .3 | .6 | 1.5 | 2.7 | 2.2 | .9 | | | | 197 | 197 | | |
| 74/ 73 | | | | | | | .2 | .2 | .3 | .6 | 2.0 | 2.4 | 1.9 | .0 | | | | 184 | 184 | | |
| 72/ 71 | | | | | | | .2 | .3 | .5 | 1.0 | 2.2 | 1.8 | .8 | .0 | | | | 158 | 158 | | |
| 70/ 69 | | | | | | .2 | .2 | .2 | .5 | 1.4 | 1.8 | 1.1 | .0 | | | | | 127 | 127 | | |
| 68/ 67 | | | | .0 | .2 | .1 | .2 | .4 | .5 | 1.6 | 1.7 | .6 | .3 | | | | | 130 | 130 | 1 | |
| 66/ 65 | | | | .1 | .1 | .2 | .3 | .3 | .4 | 1.2 | 1.0 | .3 | | | | | | 93 | 93 | 13 | |
| 64/ 63 | | | .1 | | .1 | .3 | .4 | .4 | .9 | 1.2 | .2 | | | | | | | 87 | 87 | 30 | |
| 62/ 61 | | | | .1 | .2 | .2 | .2 | .4 | .3 | .5 | .2 | .0 | | | | | | 51 | 51 | 113 | |
| 60/ 59 | | | .0 | .1 | .1 | .1 | .3 | .6 | .6 | .3 | .1 | | | | | | | 50 | 50 | 223 | |
| 58/ 57 | | .1 | .4 | .2 | .1 | .2 | .1 | .3 | .1 | .0 | .0 | | | | | | | 40 | 40 | 313 | 6 |
| 56/ 55 | | .1 | .0 | .1 | .2 | .1 | .2 | .2 | .0 | | | | | | | | | 23 | 23 | 430 | 11 |
| 54/ 53 | | .0 | | .2 | .1 | .0 | .0 | .1 | | .0 | | | | | | | | 13 | 13 | 412 | 16 |
| 52/ 51 | | | .0 | .0 | | | | | | | | | | | | | | 2 | 2 | 311 | 29 |
| 50/ 49 | .0 | .1 | | .1 | .0 | .1 | | | | | | | | | | | | 8 | 8 | 213 | 40 |
| 48/ 47 | | .0 | .1 | | | | | | | | | | | | | | | 3 | 3 | 137 | 61 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | 96 | 71 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 45 | 72 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | 17 | 94 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | 6 | 105 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 2 | 131 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 160 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 208 |

| Element (X) | $\Sigma_{X'}$ | $\Sigma_X$ | $\bar{X}$ | $\sigma_X$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 92 F | Total |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | APR MONTH

PAGE 2 | 1800-2000 HOURS (L. S. T.)

| Temp. (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 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 210 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 234 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 197 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 182 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 156 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 137 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 87 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 62 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 38 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 10 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 15 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 11 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 11 |
| 6/ 3 | | | | | | | | | | | | | | | | | | | | | 5 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 3 |
| TOTAL | .0 | .4 | .7 | .9 | 1.1 | 1.7 | 2.4 | 3.6 | 4.5 | 9.2 | 12.8 | 13.5 | 13.7 | 12.4 | 10.7 | 7.0 | 5.3 | | 2362 | | 2362 |
| | | | | | | | | | | | | | | | | | | 2362 | | 2362 | |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 1542787 | 52087 | 22.1 | 12.916 | 2361 | | | | | | | |
| Dry Bulb | 13786301 | 179205 | 75.9 | 8.971 | 2362 | | | 75.9 | 60.1 | 32.9 | 1.9 | 90 |
| Wet Bulb | 6919263 | 127371 | 53.9 | 4.637 | 2362 | | | .0 | | | | 90 |
| Dew Point | 2535281 | 74225 | 31.4 | 9.268 | 2362 | .1 | 51.7 | | | | | 90 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | APR MONTH

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

| Temp. (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 | | | | | | | | | | | | | | | .0 | .0 | | 2 | 2 | | |
| 86/ 85 | | | | | | | | | | | | | | .0 | .1 | .0 | | 4 | 4 | | |
| 84/ 83 | | | | | | | | | | | | .1 | .1 | .2 | .3 | | | 18 | 18 | | |
| 82/ 81 | | | | | | | | | | | .1 | .3 | .4 | .5 | .2 | .0 | | 34 | 34 | | |
| 80/ 79 | | | | | | | | | | .2 | .4 | .3 | .7 | .7 | .1 | .0 | | 60 | 60 | | |
| 78/ 77 | | | | | | | | | .1 | .3 | .6 | .9 | 1.4 | .8 | .1 | | | 97 | 97 | | |
| 76/ 75 | | | | | | | | | .3 | .8 | 1.6 | 1.7 | 1.9 | .2 | | | | 153 | 153 | | |
| 74/ 73 | | | | | | | .1 | .2 | .6 | 1.1 | 2.7 | 3.1 | 1.3 | .1 | | | | 219 | 219 | | |
| 72/ 71 | | | | | | .0 | .1 | .2 | .3 | 1.1 | 2.5 | 2.2 | .7 | | | | | 217 | 217 | | |
| 70/ 69 | | | | .0 | | .1 | .3 | 1.1 | 1.9 | 3.1 | 3.0 | 1.3 | .1 | | | | | 263 | 263 | | |
| 68/ 67 | | | | .0 | .2 | .3 | .5 | 1.2 | 1.7 | 3.0 | 2.1 | .2 | | | | | | 217 | 217 | | |
| 66/ 65 | | | | .3 | .2 | .2 | .6 | 2.1 | 2.7 | 3.3 | 1.4 | .1 | | | | | | 256 | 256 | | |
| 64/ 63 | | | | .2 | .2 | .3 | .7 | 1.7 | 2.9 | 1.9 | .4 | .1 | | | | | | 200 | 200 | 2 | |
| 62/ 61 | | | .1 | .3 | .1 | .5 | .8 | 1.6 | 2.0 | 1.1 | .2 | | | | | | | 156 | 156 | 18 | |
| 60/ 59 | | .0 | .0 | .3 | .1 | 1.0 | 1.1 | 1.9 | 1.3 | .5 | .2 | | | | | | | 151 | 151 | 73 | 2 |
| 58/ 57 | | .2 | .4 | .0 | .4 | .6 | .7 | 1.1 | .8 | .2 | .1 | | | | | | | 108 | 108 | 135 | 6 |
| 56/ 55 | | .3 | .1 | .0 | .4 | .5 | 1.1 | .7 | .6 | .1 | | | | | | | | 92 | 92 | 238 | 14 |
| 54/ 53 | | .0 | .3 | .2 | .2 | .4 | .5 | .3 | .0 | .0 | | | | | | | | 46 | 46 | 341 | 17 |
| 52/ 51 | | | .3 | .3 | .2 | .3 | .3 | .2 | | | | | | | | | | 35 | 35 | 419 | 32 |
| 50/ 49 | | .1 | .2 | .1 | .2 | .3 | .1 | | .0 | | | | | | | | | 26 | 26 | 372 | 48 |
| 48/ 47 | | | .2 | .0 | | .1 | | | | | | | | | | | | 8 | 8 | 329 | 42 |
| 46/ 45 | | .0 | .1 | | .0 | | | .0 | | | | | | | | | | 5 | 5 | 200 | 76 |
| 44/ 43 | | | .0 | | | | .0 | | | | | | | | | | | 2 | 2 | 124 | 117 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | 69 | 126 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | 35 | 118 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 11 | 165 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 1 | 206 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 2 | 176 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 201 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 231 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 208 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 176 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 118 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 90 |

| 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 | | | | | | | | | | | | |

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | APR MONTH

PAGE 2 | 2100-2300 HOURS (L. S. T.)

| Temp (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 | | | | | | | | | | | | | | | | | | | | | 59 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 49 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 36 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 26 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 7 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 6 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 5 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 4 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 5 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 2 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | | .7 | 1.6 | 1.8 | 2.2 | 4.6 | 6.8 | 12.9 | 16.2 | 17.1 | 15.3 | 10.5 | 6.5 | 2.5 | .8 | .2 | | | 2369 | | 2369 |
| | | | | | | | | | | | | | | | | | | 2369 | | 2369 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 2654302 | 71642 | 30.2 | 14.355 | 2369 | | | | | | | |
| Dry Bulb | 10771589 | 158783 | 67.0 | 7.384 | 2369 | | | 48.8 | 22.3 | 3.1 | | 90 |
| Wet Bulb | 6095358 | 119662 | 50.5 | 4.643 | 2369 | | | | | | | 90 |
| Dew Point | 2713313 | 77155 | 32.6 | 9.201 | 2369 | .1 | 46.5 | | | | | 90 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | MAY MONTH

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

| Temp. (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 |
| 92/ 91 | | | | | | | | | | | | | | | | | .1 | 2 | 2 | | |
| 90/ 89 | | | | | | | | | | | | | | | .1 | .1 | .1 | 7 | 7 | | |
| 88/ 87 | | | | | | | | | | | | | | .0 | .2 | .2 | | 12 | 12 | | |
| 86/ 85 | | | | | | | | | | | .0 | .1 | .1 | .5 | .5 | .2 | | 36 | 36 | | |
| 84/ 83 | | | | | | | | | | | .0 | .1 | .3 | .7 | .6 | | | 49 | 49 | | |
| 82/ 81 | | | | | | | | .0 | .1 | .1 | .0 | .3 | 1.4 | .6 | .2 | | | 69 | 69 | | |
| 80/ 79 | | | | | | | | | .0 | .3 | .4 | 1.2 | 1.4 | 1.4 | .5 | | | 131 | 131 | | |
| 78/ 77 | | | | | | | .0 | | .3 | .5 | .9 | 2.1 | 2.6 | 1.2 | .1 | | | 194 | 194 | | |
| 76/ 75 | | | | | .0 | .0 | .0 | .1 | .3 | 1.1 | 2.3 | 3.9 | 2.2 | .5 | | | | 261 | 261 | | |
| 74/ 73 | | | | .0 | | .0 | .1 | .2 | .6 | 1.5 | 3.3 | 3.5 | 1.4 | .1 | | | | 268 | 268 | | |
| 72/ 71 | | | | | .0 | .1 | .3 | .4 | 1.4 | 2.2 | 2.8 | 2.2 | .3 | .1 | | | | 243 | 243 | | |
| 70/ 69 | | | | .0 | | .1 | .1 | 1.1 | 1.4 | 3.2 | 2.9 | 1.2 | .2 | | | | | 254 | 254 | 1 | |
| 68/ 67 | | | .1 | | .0 | .2 | .4 | .6 | 2.3 | 3.2 | 1.8 | .4 | | | | | | 226 | 226 | 3 | |
| 66/ 65 | | | .0 | .0 | .1 | .4 | .4 | .9 | 2.9 | 2.2 | .8 | .2 | | | | | | 198 | 198 | 5 | 1 |
| 64/ 63 | | .0 | .0 | .2 | .2 | .5 | .8 | 1.5 | 1.5 | 1.4 | .5 | | | | | | | 164 | 164 | 15 | 1 |
| 62/ 61 | | | .0 | .0 | | .5 | 1.0 | 1.0 | 1.4 | .9 | .1 | | | | | | | 125 | 125 | 41 | 4 |
| 60/ 59 | | | .0 | | .2 | .4 | .8 | 1.0 | .8 | .3 | | | | | | | | 90 | 90 | 120 | 7 |
| 58/ 57 | | | .1 | .1 | .2 | .4 | .7 | .6 | .8 | .0 | | | | | | | | 73 | 73 | 210 | 2 |
| 56/ 55 | | .2 | .3 | .1 | .1 | .3 | .4 | .4 | .2 | | | | | | | | | 51 | 51 | 344 | 10 |
| 54/ 53 | | .1 | .0 | .0 | .1 | .2 | .3 | .2 | .0 | | | | | | | | | 26 | 26 | 452 | 22 |
| 52/ 51 | | .1 | .0 | | .1 | .1 | .1 | .0 | | | | | | | | | | 13 | 13 | 471 | 30 |
| 50/ 49 | | | | | .0 | | .1 | | | | | | | | | | | 4 | 4 | 340 | 42 |
| 48/ 47 | | | | | | | .0 | .0 | | | | | | | | | | 2 | 2 | 217 | 65 |
| 46/ 45 | | | | | | | .0 | | | | | | | | | | | 1 | 1 | 153 | 72 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 78 | 95 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | 33 | 104 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | 10 | 178 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 3 | 223 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 2 | 216 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 1 | 252 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 250 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 219 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 182 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 139 |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

FORM 0-26-5 (OL-A) JUL 64 USAFETAC — REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | MAY MONTH

PAGE 2 | 0000-0200 HOURS (L. S. T.)

| Temp. (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 | | | | | | | | | | | | | | | | | | | | | 132 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 87 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 62 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 47 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 33 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 14 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 5 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 1 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 4 |
| TOTAL | | .5 | .7 | .6 | 1.1 | 3.2 | 5.7 | 8.2 | 13.8 | 16.8 | 16.0 | 15.1 | 10.1 | 5.1 | 2.2 | .6 | .2 | | 2499 | | 2499 |
| | | | | | | | | | | | | | | | | | | 2499 | | 2499 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 2268762 | 68724 | 27.5 | 12.314 | 2499 | | | | | | | |
| Dry Bulb | 12489591 | 175703 | 70.3 | 7.379 | 2499 | | | 65.2 | 38.3 | 9.0 | | 93 |
| Wet Bulb | 6843232 | 130282 | 52.1 | 4.525 | 2499 | | | .1 | | | | 93 |
| Dew Point | 2961165 | 83281 | 33.3 | 8.624 | 2499 | | 43.7 | | | | | 93 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | MAY MONTH

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

| Temp. (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 | | | | | | | | | | | | | | .0 | .0 | | | 2 | 2 | | |
| 86/ 85 | | | | | | | | | | | | | | | .0 | | | 1 | 1 | | |
| 84/ 83 | | | | | | | | | | | .0 | .0 | .0 | .1 | .0 | | | 7 | 7 | | |
| 82/ 81 | | | | | | | | | | | | .2 | .2 | .1 | | | | 11 | 11 | | |
| 80/ 79 | | | | | | .0 | .0 | | .0 | | .2 | .6 | .1 | .4 | .0 | | | 34 | 34 | | |
| 78/ 77 | | | | | | | | .1 | .1 | .2 | .7 | .7 | .7 | .1 | .1 | | | 68 | 68 | | |
| 76/ 75 | | | | | | | .0 | .1 | .3 | .4 | 1.0 | 1.3 | .5 | .0 | | | | 92 | 92 | | |
| 74/ 73 | | | | | .0 | .2 | .0 | .0 | .1 | .2 | .7 | .6 | .2 | | | | | 135 | 135 | | |
| 72/ 71 | | | | .0 | | .0 | .1 | .4 | .6 | 1.4 | 2.1 | 1.0 | .1 | | | | | 151 | 151 | | |
| 70/ 69 | | | | .1 | | .1 | .5 | .6 | 1.7 | 3.6 | 2.9 | .4 | .2 | | | | | 252 | 252 | 1 | |
| 68/ 67 | | | .0 | .0 | .0 | .2 | .6 | 1.4 | 2.8 | 3.1 | 2.0 | .2 | | | | | | 263 | 263 | 1 | |
| 66/ 65 | | | .1 | .0 | .3 | .2 | 1.4 | 2.4 | 4.1 | 3.0 | .7 | .0 | | | | | | 308 | 308 | 3 | |
| 64/ 63 | | .1 | | .0 | .1 | .7 | 1.2 | 3.0 | 2.9 | 1.4 | .4 | | | | | | | 245 | 245 | 15 | 1 |
| 62/ 61 | | .1 | | .2 | .2 | .8 | 2.5 | 2.8 | 2.3 | .9 | .2 | | | | | | | 251 | 251 | 17 | 6 |
| 60/ 59 | | .0 | .2 | .1 | .5 | 1.0 | 2.0 | 3.3 | 1.4 | .6 | | | | | | | | 228 | 228 | 49 | 7 |
| 58/ 57 | | .1 | | .2 | .2 | 1.3 | 1.7 | 1.7 | .7 | .1 | | | | | | | | 152 | 152 | 109 | 4 |
| 56/ 55 | | .1 | .2 | .2 | .4 | 1.0 | 2.0 | 1.2 | .3 | .0 | | | | | | | | 139 | 139 | 166 | 12 |
| 54/ 53 | | .2 | .4 | .1 | .6 | .4 | 1.0 | .6 | .1 | | | | | | | | | 85 | 85 | 306 | 23 |
| 52/ 51 | | .1 | .0 | .1 | .2 | .5 | .4 | .1 | .0 | | | | | | | | | 40 | 40 | 456 | 18 |
| 50/ 49 | | | | .1 | .3 | .1 | .2 | .1 | | | | | | | | | | 21 | 21 | 440 | 37 |
| 48/ 47 | | | | | .1 | .1 | .1 | | | | | | | | | | | 8 | 8 | 384 | 58 |
| 46/ 45 | | | .1 | .0 | .0 | | .1 | | | | | | | | | | | 6 | 6 | 252 | 85 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 156 | 95 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | 96 | 119 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | 31 | 184 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 9 | 249 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 7 | 248 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 1 | 247 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 254 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 254 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 149 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 139 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 91 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 84 |

| 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 | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,52-72 YEARS | MAY MONTH

PAGE 2 | 0300-0500 HOURS (L. S. T.)

| Temp (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL 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 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | | 40 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | | 32 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | | 35 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | | 16 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | | 8 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | | 3 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | | .8 | 1.1 | 1.2 | 3.1 | 6.8 | 14.1 | 17.9 | 18.0 | 15.9 | 12.0 | 6.0 | 2.0 | .7 | .2 | | | | | 2499 | | 2499 | |
| | | | | | | | | | | | | | | | | | | | 2499 | | 2499 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel Hum. | 3102735 | 83115 | 33.3 | 12.942 | 2499 | | | | | | | |
| Dry Bulb | 10641421 | 162171 | 64.9 | 6.857 | 2499 | | | 37.8 | 13.0 | 1.3 | | 93 |
| Wet Bulb | 6276535 | 124701 | 49.9 | 4.648 | 2499 | | | .1 | | | | 93 |
| Dew Point | 3026172 | 84436 | 33.8 | 8.376 | 2499 | | 41.2 | | | | | 93 |

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING PROGRAM
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 — STATION
LUKE AFB ARIZONA/PHOENIX — STATION NAME
42-46,51-72 — YEARS
MAY — MONTH



0600-0800 — HOURS (L. S. T.)

| Temp. (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 |
| 90/ 89 | | | | | | | | | | | | | | .0 | | | | 1 | 1 | | |
| 88/ 87 | | | | | | | | | | | | | .1 | .0 | .2 | .0 | | 9 | 9 | | |
| 86/ 85 | | | | | | | .0 | | | | .0 | .1 | .1 | .1 | .0 | .0 | .0 | 12 | 12 | | |
| 84/ 83 | | | | | | | | | | | .0 | .1 | .3 | .2 | .2 | .0 | | 22 | 22 | | |
| 82/ 81 | | | | | | | | | .2 | .1 | .2 | .4 | .6 | .2 | .0 | | | 45 | 45 | | |
| 80/ 79 | | | | | | | .0 | .0 | .3 | .2 | .6 | .9 | .7 | .4 | .2 | | | 82 | 83 | | |
| 78/ 77 | | | | | | | | .1 | .1 | .5 | 1.3 | 1.4 | 1.0 | .2 | .0 | | | 117 | 117 | | |
| 76/ 75 | | | | | | .1 | .0 | .1 | .5 | 1.6 | 1.8 | 1.9 | 1.1 | .0 | | | | 181 | 181 | | |
| 74/ 73 | | | | | | .1 | .1 | .3 | .0 | 1.9 | 2.2 | 2.1 | .5 | | | | | 195 | 195 | 1 | |
| 72/ 71 | | | | | .1 | .0 | .2 | .6 | 1.3 | 2.3 | 2.2 | .9 | .2 | | | | | 198 | 198 | | |
| 70/ 69 | | | | | | .2 | .3 | 1.0 | 3.1 | 3.4 | 2.7 | .3 | .2 | | | | | 281 | 281 | | 1 |
| 68/ 67 | | | .1 | | | .2 | .6 | 1.3 | 2.9 | 2.7 | 1.6 | .2 | | | | | | 240 | 240 | 3 | |
| 66/ 65 | | .0 | | .0 | .1 | .2 | .8 | 2.4 | 2.9 | 2.2 | .7 | | | | | | | 234 | 234 | 10 | |
| 64/ 63 | | | | .0 | .0 | 1.0 | 1.6 | 2.8 | 2.3 | 1.4 | .3 | .0 | | | | | | 238 | 238 | 27 | |
| 62/ 61 | | .0 | .1 | .1 | .2 | .8 | 1.6 | 2.0 | 1.6 | .5 | .0 | | | | | | | 175 | 175 | 32 | 5 |
| 60/ 59 | | .0 | .2 | .3 | .3 | .8 | 2.2 | 1.6 | 1.4 | .2 | | | | | | | | 175 | 175 | 104 | 3 |
| 58/ 57 | | | .1 | .0 | .2 | 1.1 | 1.1 | 1.0 | .5 | .1 | | | | | | | | 103 | 103 | 193 | 11 |
| 56/ 55 | | .0 | .2 | .2 | .5 | .8 | 1.0 | .6 | .2 | | | | | | | | | 91 | 91 | 294 | 15 |
| 54/ 53 | | .2 | .2 | | .3 | .4 | .7 | .2 | | | | | | | | | | 51 | 51 | 378 | 18 |
| 52/ 51 | | | .0 | .1 | .2 | .2 | .2 | .1 | | | | | | | | | | 19 | 19 | 439 | 38 |
| 50/ 49 | | .0 | | .0 | .2 | .0 | .3 | .0 | | | | | | | | | | 16 | 16 | 358 | 51 |
| 48/ 47 | | | | .1 | .0 | | | | | | | | | | | | | 3 | 3 | 302 | 60 |
| 46/ 45 | | .0 | | | .1 | | | | | | | | | | | | | 3 | 3 | 168 | 97 |
| 44/ 43 | | | | | .0 | .0 | | | | | | | | | | | | 2 | 2 | 102 | 157 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | 56 | 192 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | 12 | 227 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 11 | 246 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 2 | 263 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 1 | 216 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 219 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 191 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 111 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 139 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 69 |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | 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 | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | MAY MONTH

PAGE 2 | 0600-0800 HOURS (L. S. T.)

| Temp. (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 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 68 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 29 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 39 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 13 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 9 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 5 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | | .4 | .9 | .9 | 2.2 | 6.2 | 11.0 | 14.2 | 17.9 | 17.2 | 13.8 | 8.5 | 4.7 | 1.2 | .6 | .1 | .0 | | 2494 | | 2493 |
| | | | | | | | | | | | | | | | | | | 2493 | | 2493 | |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 2970737 | 80485 | 32.3 | 12.223 | 2493 | | | | | | | |
| Dry Bulb | 11514260 | 168442 | 67.5 | 7.437 | 2494 | | | 51.6 | 24.8 | 4.6 | | 93 |
| Wet Bulb | 6686332 | 128544 | 51.6 | 4.839 | 2493 | | | .1 | .0 | | | 93 |
| Dew Point | 3286754 | 88138 | 35.4 | 8.277 | 2493 | | 33.3 | .0 | | | | 93 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | MAY MONTH

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

| Temp. (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 |
| 102/101 | | | | | | | | | | | | | | | | | .1 | 2 | 2 | | |
| 100/ 99 | | | | | | | | | | | | | | | | .0 | .4 | 10 | 10 | | |
| 98/ 97 | | | | | | | | | | | | | | | | .1 | .6 | 18 | 18 | | |
| 96/ 95 | | | | | | | | | | | | | | .1 | .1 | .2 | 1.2 | 39 | 39 | | |
| 94/ 93 | | | | | | | | | | | | | | | .1 | .6 | 1.2 | 46 | 46 | | |
| 92/ 91 | | | | | | | | | | | | .1 | .1 | .2 | .7 | 1.3 | 1.4 | 96 | 97 | | |
| 90/ 89 | | | | | | | | | | | .0 | .1 | .3 | .9 | 1.7 | 2.2 | 1.1 | 158 | 158 | | |
| 88/ 87 | | | | | | | | | | | .3 | .2 | .9 | 1.6 | 2.8 | 2.6 | .4 | 222 | 222 | | |
| 86/ 85 | | | | | | | | | | .2 | .2 | .5 | 1.4 | 2.9 | 3.4 | 1.4 | .9 | 249 | 249 | | |
| 84/ 83 | | | | | | | | | .0 | .2 | .5 | .9 | 1.6 | 3.0 | 2.8 | .9 | .0 | 261 | 261 | | |
| 82/ 81 | | | | | | | | .0 | .1 | .1 | .2 | 1.6 | 3.0 | 3.1 | 1.6 | | | 241 | 241 | | |
| 80/ 79 | | | | | | | .0 | .0 | .0 | .4 | 1.1 | 2.7 | 3.7 | 2.0 | .5 | | | 264 | 264 | | |
| 78/ 77 | | | | | | | .0 | .0 | .0 | .5 | 1.4 | 1.8 | 2.5 | 1.2 | .2 | .0 | | 193 | 193 | | |
| 76/ 75 | | | | | | .0 | | .0 | .2 | .6 | 1.9 | 2.5 | 1.6 | .4 | | | | 183 | 183 | | |
| 74/ 73 | | | | | | | .0 | .2 | .4 | 1.0 | 1.2 | 1.3 | .9 | .0 | | | | 127 | 127 | | |
| 72/ 71 | | | | | | | .1 | .2 | .8 | 1.3 | 1.2 | 1.0 | .2 | | | | | 126 | 126 | 3 | |
| 70/ 69 | | | | | | .0 | .3 | .4 | .9 | .8 | .7 | .2 | .1 | | | | | 87 | 87 | 5 | |
| 68/ 67 | | | | | .0 | .0 | .2 | .5 | .4 | .5 | .2 | .1 | | | | | | 53 | 53 | 32 | |
| 66/ 65 | | | | .0 | .1 | .0 | .1 | .6 | .4 | .4 | .2 | | | | | | | 47 | 47 | 63 | |
| 64/ 63 | | | | | .1 | .1 | .3 | .3 | .2 | .4 | | | | | | | | 34 | 34 | 141 | |
| 62/ 61 | | | | .1 | .1 | | .2 | .1 | .0 | .0 | | | | | | | | 15 | 15 | 271 | 6 |
| 60/ 59 | | | | .1 | .0 | .0 | | .0 | .1 | .0 | | | | | | | | 9 | 9 | 414 | 4 |
| 58/ 57 | | | .2 | | | | | .1 | | | | | | | | | | 6 | 6 | 495 | 12 |
| 56/ 55 | | | .0 | .1 | | | .0 | .0 | | | | | | | | | | 5 | 5 | 434 | 11 |
| 54/ 53 | | | | .0 | | | .0 | | | | | | | | | | | 2 | 2 | 317 | 26 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 173 | 44 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | 92 | 58 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 28 | 79 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | 14 | 121 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 6 | 164 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | 1 | 181 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 239 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 242 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 233 |

| 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 | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) MAY (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 245 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 204 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 191 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 135 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 107 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 73 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 42 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 31 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 19 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 16 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 5 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 2 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | | | .2 | .4 | .4 | .3 | 1.4 | 2.7 | 3.8 | 6.7 | 9.4 | 13.0 | 16.3 | 16.1 | 13.7 | 9.3 | 6.4 | | 2492 | | 2491 |
| | | | | | | | | | | | | | | | | | | 2491 | | 2491 | |

| Element (X) | $\Sigma y^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 1379316 | 53736 | 21.6 | 9.402 | 2491 | | | | | | | |
| Dry Bulb | 16351344 | 201126 | 80.7 | 7.727 | 2492 | | | 88.6 | 78.7 | 55.4 | 4.2 | 93 |
| Wet Bulb | 8198174 | 142518 | 57.2 | 4.216 | 2491 | | | 1.5 | | | | 93 |
| Dew Point | 3395797 | 89683 | 36.0 | 8.108 | 2491 | | 30.8 | | | | | 93 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISES PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | MAY MONTH

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

| Temp. (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 |
| 112/111 | | | | | | | | | | | | | | | | | .0 | 1 | 1 | | |
| 110/109 | | | | | | | | | | | | | | | | | .1 | 3 | 3 | | |
| 108/107 | | | | | | | | | | | | | | | | | .4 | 10 | 10 | | |
| 106/105 | | | | | | | | | | | | | | | | | .2 | 6 | 6 | | |
| 104/103 | | | | | | | | | | | | | | | | .0 | 1.0 | 27 | 27 | | |
| 102/101 | | | | | | | | | | | | | ~~.0~~ | | | | 1.8 | 46 | 46 | | |
| 100/ 99 | | | | | | | | | | | | | | | .0 | .1 | 3.1 | 80 | 80 | | |
| 98/ 97 | | | | | | | | | | | | | | | .1 | .4 | 4.8 | 132 | 132 | | |
| 96/ 95 | | | | | | | | | | | | | | .1 | .4 | .6 | 7.3 | 208 | 210 | | |
| 94/ 93 | | | | | | | | | | | | | .0 | .7 | .6 | 1.4 | 7.5 | 257 | 257 | | |
| 92/ 91 | | | | | | | | | | | | .0 | .3 | .5 | .8 | 2.6 | 7.5 | 293 | 293 | | |
| 90/ 89 | | | | | | | | | | | | .3 | .3 | .6 | 2.1 | 4.2 | 4.4 | 294 | 294 | | |
| 88/ 87 | | | | | | | | | | | .0 | .1 | .3 | .9 | 2.3 | 3.3 | 1.4 | 210 | 210 | | |
| 86/ 85 | | | | | | | | | | .0 | .1 | .1 | .6 | 1.8 | 2.7 | 2.6 | .4 | 208 | 208 | | |
| 84/ 83 | | | | | | | | | .0 | | .1 | .2 | .7 | 1.3 | 2.3 | 1.1 | .2 | 154 | 154 | | |
| 82/ 81 | | | | | | | | | | | .2 | .9 | 1.2 | 1.4 | 1.0 | .3 | .1 | 128 | 128 | | |
| 80/ 79 | | | | | | | | | | .0 | .6 | 1.1 | 1.0 | 1.3 | .7 | .1 | | 119 | 119 | | |
| 78/ 77 | | | | | | | | | .0 | .1 | .6 | 1.1 | .9 | .9 | .2 | | | 95 | 95 | ~~1~~ | |
| 76/ 75 | | | | | | | | | .2 | .4 | .6 | .9 | .6 | .5 | | | | 82 | 82 | | |
| 74/ 73 | | | | | | | .0 | .0 | .2 | .4 | .4 | .4 | .2 | | | | | 41 | 41 | 1 | |
| 72/ 71 | | | | | | | | .1 | .2 | .3 | .6 | .1 | .2 | | | | | 40 | 40 | 3 | |
| 70/ 69 | | | | | | .0 | .1 | .2 | .2 | .2 | .2 | .1 | .0 | | | | | 26 | 26 | 30 | ~~1~~ |
| 68/ 67 | | | | | .0 | | .0 | .1 | .2 | .2 | | .1 | | | | | | 16 | 16 | 80 | |
| 66/ 65 | | | | | .1 | .0 | .0 | | | .1 | .0 | | | | | | | 8 | 8 | 154 | |
| 64/ 63 | | | | | .0 | | | | | .1 | | | | | | | | 3 | 3 | 272 | |
| 62/ 61 | | | .0 | | .0 | | | .0 | .0 | | | | | | | | | 4 | 4 | 493 | |
| 60/ 59 | | | | .0 | .0 | | | | | | | | | | | | | 2 | 2 | 500 | 5 |
| 58/ 57 | | | | .0 | | | | | | | | | | | | | | 1 | 1 | 435 | 3 |
| 56/ 55 | | | .0 | | | | | | | | | | | | | | | 1 | 1 | 253 | 15 |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 155 | 33 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 78 | 27 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | 27 | 44 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 12 | 67 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | 1 | 74 |

| 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 | | | | | | | | | | | | |

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | MAY MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 126 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 159 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 171 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 204 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 267 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 243 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 268 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 231 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 150 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 133 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 89 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 54 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 33 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 38 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 28 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 10 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 9 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 3 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 6 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 1 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 1 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | | | .1 | .1 | .3 | .1 | .2 | .4 | 1.0 | 2.1 | 3.4 | 5.5 | 6.3 | 10.2 | 13.2 | 16.7 | 40.3 | 2495 | 2497 | 2495 | 2495 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 770798 | 39760 | 15.9 | 7.417 | 2495 | | | | | | | |
| Dry Bulb | 19561126 | 220116 | 88.2 | 7.942 | 2497 | | | 92.3 | 89.2 | 79.0 | 28.8 | 93 |
| Wet Bulb | 8883466 | 142528 | 59.5 | 4.082 | 2495 | | | 4.3 | .1 | | | 93 |
| Dew Point | 3109526 | 85488 | 34.3 | 8.505 | 2495 | | 39.4 | .0 | | | | 93 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | MAY MONTH

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

| Temp. (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 |
| 112/111 | | | | | | | | | | | | | | | | | .1 | 3 | 3 | | |
| 110/109 | | | | | | | | | | | | | | | | | .4 | 9 | 9 | | |
| 108/107 | | | | | | | | | | | | | | | | | .7 | 17 | 17 | | |
| 106/105 | | | | | | | | | | | | | | | | | 1.5 | 37 | 37 | | |
| 104/103 | | | | | | | | | | | | | | | | | 1.8 | 46 | 46 | | |
| 102/101 | | | | | | | | | | | | | | | | .1 | 3.4 | 88 | 88 | | |
| 100/ 99 | | | | | | | | | | | | | | | | .2 | 6.5 | 166 | 166 | | |
| 98/ 97 | | | | | | | | | | | | | | | .2 | .5 | 8.3 | 223 | 223 | | |
| 96/ 95 | | | | | | | | | | | | | | .2 | .6 | .7 | 11.2 | 315 | 315 | | |
| 94/ 93 | | | | | | | | | | | | | | .2 | .6 | .9 | 8.7 | 259 | 259 | | |
| 92/ 91 | | | | | | | | | | | | | .2 | .2 | .7 | 1.6 | 8.2 | 271 | 271 | | |
| 90/ 89 | | | | | | | | | | | | | .1 | .5 | 1.2 | 2.3 | 4.4 | 211 | 211 | | |
| 88/ 87 | | | | | | | | | | | | | .1 | .5 | 1.7 | 3.2 | 1.6 | 177 | 177 | | |
| 86/ 85 | | | | | | | | | | .0 | | .0 | .7 | .6 | 1.3 | 2.4 | .2 | 130 | 130 | | |
| 84/ 83 | | | | | | | | | | .0 | | .2 | .7 | 1.4 | 1.6 | .8 | .8 | 130 | 130 | | |
| 82/ 81 | | | | | | | | | | | .1 | .4 | .9 | 1.5 | 1.4 | .3 | .2 | 122 | 122 | | |
| 80/ 79 | | | | | | | | | | .0 | .2 | .7 | .6 | 1.0 | .7 | .1 | | 85 | 85 | | |
| 78/ 77 | | | | | | | | | .0 | .1 | .2 | .4 | .4 | .8 | .2 | | | 56 | 56 | | |
| 76/ 75 | | | | | | | | | .1 | .2 | .4 | .3 | .9 | .3 | | | | 55 | 55 | | |
| 74/ 73 | | | | | | | | | .2 | .2 | .4 | .4 | .1 | | | | | 32 | 32 | 1 | |
| 72/ 71 | | | | | | | | .1 | | .2 | .2 | .2 | | | | | | 17 | 17 | 2 | |
| 70/ 69 | | | | | | | .0 | .1 | .2 | .1 | .1 | .1 | | | | | | 17 | 17 | 32 | |
| 68/ 67 | | | | | .0 | .1 | .2 | | | .1 | .2 | | | | | | | 15 | 15 | 74 | |
| 66/ 65 | | | | | .0 | | | | | .0 | .0 | | | | | | | 3 | 3 | 199 | |
| 64/ 63 | | | | | .1 | .0 | | | | | | | | | | | | 3 | 3 | 373 | |
| 62/ 61 | | | .1 | .0 | | .1 | | | | | | | | | | | | 6 | 6 | 508 | |
| 60/ 59 | | | | | .0 | | | | | | | | | | | | | 1 | 1 | 475 | 1 |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | 371 | 3 |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | 227 | 8 |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 124 | 19 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 86 | 26 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | 15 | 36 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 7 | 51 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 58 |

| 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 | | | | | | | | | | | | |

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | MAY MONTH

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

| Temp. (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 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 73 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 98 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 143 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 213 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 238 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 300 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 291 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 252 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 165 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 151 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 106 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 82 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 37 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 41 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 30 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 30 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 16 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 3 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 12 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 2 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 4 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 2 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 1 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 1 |
| ~~-6/ -7~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| TOTAL | | | .1 | .0 | .2 | .2 | .3 | .2 | .5 | 1.1 | 1.8 | 2.7 | 4.8 | 7.2 | 10.1 | 13.1 | 57.6 | | 2494 | | 2494 |
| | | | | | | | | | | | | | | | | | | 2494 | | 2494 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | > 80 F | ≥ 93 F | Total |
| Rel. Hum. | 598712 | 34376 | 13,8 | 7,078 | 2494 | | | 92,5 | 90,7 | 83,9 | 43,4 | 93 |
| Dry Bulb | 20694986 | 226280 | 90,7 | 8,127 | 2494 | | | 4,1 | ,0 | | | 93 |
| Wet Bulb | 9029292 | 149736 | 60,0 | 3,974 | 2494 | | | | | | | 93 |
| Dew Point | 2822756 | 81154 | 32,5 | 8,545 | 2494 | ,1 | 45,8 | | | | | 93 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) MAY (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| 110/109 | | | | | | | | | | | | | | | | | .1 | 2 | 2 | | |
| 108/107 | | | | | | | | | | | | | | | | | .2 | 6 | 6 | | |
| 106/105 | | | | | | | | | | | | | | | | | .2 | 6 | 6 | | |
| 104/103 | | | | | | | | | | | | | | | | | .6 | 20 | 20 | | |
| 102/101 | | | | | | | | | | | | | | | | | 1.1 | 27 | 27 | | |
| 100/ 99 | | | | | | | | | | | | | | | | | 2.5 | 62 | 62 | | |
| 98/ 97 | | | | | | | | | | | | | | .0 | | .0 | 4.2 | 106 | 106 | | |
| 96/ 95 | | | | | | | | | | | | | | .0 | .2 | .2 | 5.7 | 155 | 155 | | |
| 94/ 93 | | | | | | | | | | | | | | .2 | .2 | 1.3 | 5.8 | 188 | 188 | | |
| 92/ 91 | | | | | | | | | | | | | .1 | .1 | .2 | 1.9 | 6.3 | 216 | 216 | | |
| 90/ 89 | | | | | | | | | | | | .1 | .0 | .5 | 1.4 | 3.3 | 4.0 | 234 | 234 | | |
| 88/ 87 | | | | | | | | | | | .0 | | .4 | 1.0 | 2.6 | 5.1 | 1.4 | 266 | 266 | | |
| 86/ 85 | | | | | | | | | | | .1 | .1 | .4 | 1.7 | 3.5 | 2.9 | .7 | 235 | 235 | | |
| 84/ 83 | | | | | | | | | | .0 | .2 | .5 | 1.2 | 2.0 | 2.8 | 1.0 | .2 | 193 | 194 | | |
| 82/ 81 | | | | | | | | | | .1 | .2 | .7 | 1.4 | 2.6 | 2.0 | .3 | .1 | 182 | 182 | | |
| 80/ 79 | | | | | | .0 | | .0 | | .1 | .3 | 1.2 | 1.6 | 1.9 | .8 | .2 | | 155 | 155 | | |
| 78/ 77 | | | | | | | | | .1 | .1 | .6 | 1.2 | 1.3 | 1.0 | .2 | .0 | | 112 | 112 | | |
| 76/ 75 | | | | | | | | | .0 | .2 | .7 | 1.2 | 1.3 | .6 | .1 | | | 105 | 105 | | |
| 74/ 73 | | | | | | | | | .2 | .2 | .7 | .7 | .6 | .2 | | | | 62 | 62 | | |
| 72/ 71 | | | | | | .0 | | .1 | .1 | .4 | .4 | .6 | .3 | | | | | 52 | 52 | 1 | |
| 70/ 69 | | | .0 | | | .0 | .1 | .1 | .3 | .4 | .4 | .2 | .1 | | | | | 42 | 42 | 5 | |
| 68/ 67 | | | | | .1 | | .1 | .1 | .1 | .2 | .2 | .1 | | | | | | 21 | 21 | 31 | |
| 66/ 65 | | | | .0 | .1 | .2 | .2 | .1 | .2 | .2 | .0 | | | | | | | 25 | 25 | 80 | |
| 64/ 63 | | | | | .1 | .1 | .0 | .0 | .0 | .0 | | .0 | | | | | | 10 | 10 | 237 | 2 |
| 62/ 61 | | | .1 | .0 | .0 | .0 | .0 | .0 | | | | | | | | | | 7 | 7 | 373 | |
| 60/ 59 | | | .1 | | .0 | .0 | | | | | | | | | | | | 4 | 4 | 519 | 1 |
| 58/ 57 | | | .1 | .0 | | | | | | | | | | | | | | 3 | 3 | 479 | 2 |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | 341 | 9 |
| 54/ 53 | | .0 | | | | | | | | | | | | | | | | 1 | 1 | 212 | 18 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 123 | 16 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | 67 | 37 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 23 | 38 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | 5 | 58 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 1 | 95 |

| 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 | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | MAY MONTH

PAGE 2 | 1800-2000 HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 98 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 149 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 193 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 260 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 284 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 291 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 265 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 170 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 161 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 111 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 77 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 45 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 34 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 20 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 14 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 15 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 10 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 4 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 12 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 3 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 3 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | | .0 | .3 | .1 | .4 | .4 | .4 | .6 | 1.1 | 2.0 | 3.8 | 6.6 | 8.8 | 11.9 | 13.9 | 16.3 | 33.3 | 2497 | 2496 | 2497 | 2497 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 92 F | Total |
| Rel. Hum. | 833636 | 40208 | 16.1 | 8.637 | 2497 | | | | | | | |
| Dry Bulb | 18682948 | 215020 | 86.1 | 8.364 | 2498 | | | 91.1 | 86.9 | 73.7 | 21.3 | 93 |
| Wet Bulb | 8517357 | 145489 | 58.3 | 4.021 | 2497 | | | 1.4 | | | | 93 |
| Dew Point | 2820697 | 81287 | 32.6 | 8.361 | 2497 | .1 | 46.1 | | | | | 93 |

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | MAY MONTH

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

| Temp (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D B. W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | | | | | |
| 98/ 97 | | | | | | | | | | | | | | | | | .1 | | 2 | 2 | | |
| 96/ 95 | | | | | | | | | | | | | | | | | .2 | | 5 | 5 | | |
| 94/ 93 | | | | | | | | | | | | | | | | | .7 | | 18 | 18 | | |
| 92/ 91 | | | | | | | | | | | | | | .1 | .1 | .4 | .4 | | 24 | 24 | | |
| 90/ 89 | | | | | | | | | | | | | | .0 | .8 | 1.4 | .3 | | 64 | 64 | | |
| 88/ 87 | | | | | | | | | | | | .0 | .1 | .3 | 1.1 | 1.0 | .2 | | 70 | 70 | | |
| 86/ 85 | | | | | | | | | | | .0 | .4 | .4 | 1.4 | 2.1 | 1.2 | .0 | | 138 | 138 | | |
| 84/ 83 | | | | | | | | | | .3 | .3 | .5 | 1.0 | 2.4 | 2.5 | .4 | .0 | | 182 | 182 | | |
| 82/ 81 | | | | | | | | | .4 | .0 | .6 | 1.0 | 2.7 | 4.0 | 1.4 | .4 | .0 | | 254 | 254 | | |
| 80/ 79 | | | | | | | .0 | | .2 | .3 | .4 | 2.2 | 4.4 | 4.1 | .6 | .1 | | | 309 | 309 | | |
| 78/ 77 | | | | | | .1 | | .1 | .3 | .5 | 1.5 | 2.8 | 4.3 | 1.8 | .2 | .0 | | | 292 | 292 | | |
| 76/ 75 | | | | | | | .0 | .1 | .2 | .7 | 2.1 | 3.2 | 2.8 | .4 | .0 | | | | 242 | 242 | | |
| 74/ 73 | | | | | | | .0 | .1 | .7 | 1.2 | 2.4 | 2.6 | 1.2 | .2 | | | | | 210 | 210 | | |
| 72/ 71 | | | | .0 | .0 | .0 | .0 | .2 | .6 | 1.2 | 2.3 | 2.2 | .3 | | | | | | 177 | 177 | | |
| 70/ 69 | | | | .0 | | .1 | .2 | .5 | .8 | 1.1 | 2.0 | 1.3 | .3 | .0 | | | | | 157 | 157 | | |
| 68/ 67 | | | | | .1 | .0 | .2 | .3 | 1.0 | 1.4 | 1.3 | .5 | .0 | | | | | | 123 | 123 | 4 | |
| 66/ 65 | | | .0 | .0 | .0 | .1 | .1 | .5 | .9 | 1.0 | .6 | .1 | | | | | | | 86 | 86 | 10 | |
| 64/ 63 | | | .0 | .0 | .1 | .1 | .2 | .4 | .5 | .6 | .1 | | | | | | | | 53 | 53 | 48 | 1 |
| 62/ 61 | | | | .1 | .1 | .2 | .2 | .3 | .3 | .4 | .1 | | | | | | | | 44 | 44 | 139 | 4 |
| 60/ 59 | | | .1 | .2 | .1 | .0 | .1 | .1 | | .0 | | | | | | | | | 17 | 17 | 235 | 2 |
| 58/ 57 | | | .1 | .1 | | .0 | .0 | .1 | .0 | .0 | | | | | | | | | 11 | 11 | 402 | 4 |
| 56/ 55 | | .1 | .0 | | | | .1 | | .0 | .0 | | | | | | | | | 7 | 7 | 491 | 13 |
| 54/ 53 | | .1 | .0 | | .0 | | .0 | | .0 | | | | | | | | | | 6 | 6 | 454 | 18 |
| 52/ 51 | | .1 | | | | | | | | | | | | | | | | | 3 | 3 | 342 | 26 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | 187 | 41 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | 118 | 51 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 43 | 72 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 14 | 79 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 4 | 120 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 2 | 195 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 1 | 208 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | | 226 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | | 251 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | 240 |

| 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 | | | | | | | | | | | | |

FORM 0-26-5 (OL A) USAFETAC JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | MAY MONTH

PAGE 2 | 2100-2300 HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 274 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 168 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 145 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 122 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 89 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 40 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 39 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 24 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 10 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 11 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 5 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 6 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 5 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 1 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 1 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | | .3 | .4 | .5 | .5 | .8 | 1.4 | 2.7 | 5.7 | 8.5 | 13.7 | 17.0 | 17.8 | 14.8 | 9.0 | 4.9 | 2.1 | 2494 | 2494 | 2494 | 2494 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 1503185 | 55191 | 22.1 | 10.633 | 2494 | | | | | | | |
| Dry Bulb | 14783835 | 191161 | 76.6 | 7.267 | 2494 | | | 84.5 | 67.5 | 34.4 | .9 | 93 |
| Wet Bulb | 7516518 | 136530 | 54.7 | 4.124 | 2494 | | | .1 | | | | 93 |
| Dew Point | 2923548 | 82680 | 33.2 | 8.558 | 2494 | .0 | 44.1 | | | | | 93 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | JUN MONTH



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

| Temp. (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 | | | | | | | | | | | | | | | | .1 | .0 | 4 | 4 | | |
| 96/ 95 | | | | | | | | | | | | | .0 | .0 | .1 | .2 | .3 | 14 | 14 | | |
| 94/ 93 | | | | | | | | | | | | .1 | .1 | .5 | | .3 | .2 | 29 | 29 | | |
| 92/ 91 | | | | | | | | | | | .0 | .2 | .5 | .8 | .6 | .3 | .1 | 61 | 61 | | |
| 90/ 89 | | | | | | | | | | | .3 | .6 | .9 | .7 | 1.2 | .5 | .2 | 104 | 104 | | |
| 88/ 87 | | | | | | | | | | .2 | .6 | .6 | .8 | 1.0 | 1.4 | .6 | .2 | 128 | 128 | | |
| 86/ 85 | | | | | | | | .0 | .4 | .4 | .7 | .6 | 1.5 | 1.3 | .4 | .4 | .0 | 162 | 162 | | |
| 84/ 83 | | | | | | | | .2 | .3 | .4 | .7 | 1.5 | 1.6 | 2.2 | 1.7 | .3 | .0 | 219 | 219 | | |
| 82/ 81 | | | | | | | .1 | .1 | .4 | .5 | .8 | 2.4 | 3.2 | 2.0 | .9 | .2 | | 255 | 255 | | |
| 80/ 79 | | | | | | .3 | .2 | .2 | .3 | .5 | 1.6 | 2.8 | 3.1 | 2.1 | .6 | | | 278 | 278 | | |
| 78/ 77 | | | | .0 | .1 | .0 | .1 | .0 | .3 | .5 | 1.8 | 3.1 | 2.8 | 1.0 | .2 | | | 238 | 238 | | |
| 76/ 75 | | | .1 | .0 | .0 | .2 | | .1 | .5 | 1.2 | 3.0 | 2.7 | 1.6 | .3 | | | | 233 | 233 | | |
| 74/ 73 | | | | | .1 | .0 | | .1 | .6 | 1.3 | 3.0 | 1.8 | .7 | | | | | 183 | 183 | | |
| 72/ 71 | | | | .0 | .1 | .2 | .0 | .2 | .7 | 2.1 | 2.0 | 1.3 | .2 | | | | | 168 | 168 | 17 | |
| 70/ 69 | | | | .0 | | .0 | .2 | .3 | .6 | 1.4 | 1.8 | .5 | | | | | | 117 | 117 | 47 | 4 |
| 68/ 67 | | | .1 | .0 | | .0 | .2 | .5 | 1.1 | 1.6 | .9 | .0 | | | | | | 108 | 108 | 110 | 5 |
| 66/ 65 | | | | | | | .1 | .2 | .7 | .8 | .1 | | | | | | | 45 | 45 | 100 | 6 |
| 64/ 63 | | | .0 | | | | .1 | .2 | .3 | .2 | | | | | | | | 20 | 20 | 134 | 17 |
| 62/ 61 | | .1 | | | | .0 | .0 | .3 | .0 | .0 | | | | | | | | 13 | 13 | 192 | 31 |
| 60/ 59 | | | | | | | .0 | .1 | .0 | | | | | | | | | 4 | 4 | 273 | 31 |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | 361 | 31 |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | 393 | 53 |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 345 | 65 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 212 | 47 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | 143 | 86 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 45 | 87 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | 10 | 125 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 1 | 149 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 150 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 201 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 215 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 196 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 180 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 199 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ref. Hum. | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | JUN MONTH

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

| Temp. (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 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 161 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 85 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 103 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 66 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 39 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 10 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 26 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 7 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 3 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 3 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 1 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | | .1 | .2 | .2 | .3 | .8 | 1.1 | 2.6 | 6.4 | 11.3 | 17.3 | 18.6 | 17.0 | 12.0 | 8.1 | 2.8 | 1.1 | 2383 | 2383 | 2383 | 2383 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 1716257 | 59379 | 24.9 | 9.968 | 2383 | | | | | | | |
| Dry Bulb | 1491200 | 187782 | 78.8 | 6.965 | 2383 | | | 86.9 | 72.1 | 42.8 | 1.8 | 90 |
| Wet Bulb | 7916479 | 136725 | 57.4 | 5.258 | 2383 | | | 6.8 | | | | 90 |
| Dew Point | 3753514 | 91316 | 38.4 | 10.013 | 2383 | | 26.9 | .3 | | | | 90 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
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AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) JUN (MONTH)

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

| Temp. (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 | | | | | | | | | | | | | | .0 | | | | 1 | 1 | | |
| 92/ 91 | | | | | | | | | | | | | .0 | .2 | .1 | .0 | | 9 | 9 | | |
| 90/ 89 | | | | | | | | | | | .1 | .2 | .3 | .2 | .2 | .0 | | 24 | 24 | | |
| 88/ 87 | | | | | | | | | | .1 | .5 | .5 | .3 | .3 | .3 | | | 46 | 46 | | |
| 86/ 85 | | | | | | | | | .2 | .4 | .9 | .3 | .5 | .4 | .4 | .0 | | 74 | 74 | | |
| 84/ 83 | | | | | | | | .3 | .4 | .6 | 1.0 | .6 | .7 | .5 | .1 | | | 97 | 97 | | |
| 82/ 81 | | | | | | | .3 | .3 | .6 | .6 | .8 | .9 | .8 | .8 | .2 | .1 | | 126 | 126 | | |
| 80/ 79 | | | | | .0 | .1 | .3 | .4 | .5 | .8 | 1.7 | 1.7 | 1.8 | .6 | .0 | | | 190 | 190 | | |
| 78/ 77 | | | | .2 | .3 | .1 | .3 | .3 | .8 | 1.1 | 1.6 | 2.6 | 1.5 | .4 | .0 | | | 217 | 217 | | |
| 76/ 75 | | | | .1 | | .0 | .2 | .4 | .6 | 1.4 | 2.9 | 2.2 | 1.3 | .2 | | | | 223 | 223 | | |
| 74/ 73 | | .0 | .0 | .0 | .1 | .2 | .1 | .3 | .9 | 2.8 | 2.6 | 2.1 | .8 | | | | | 234 | 234 | | |
| 72/ 71 | | | .1 | .1 | .0 | | .2 | .7 | 1.6 | 3.0 | 2.7 | 1.4 | .1 | | | | | 235 | 235 | 9 | |
| 70/ 69 | | .0 | | | | .1 | .4 | 1.2 | 2.8 | 3.1 | 2.3 | .8 | .0 | | | | | 255 | 255 | 42 | 4 |
| 68/ 67 | | | .0 | .2 | | | .7 | 1.8 | 2.1 | 3.0 | .8 | .1 | | | | | | 205 | 205 | 61 | 11 |
| 66/ 65 | | | .1 | .0 | .1 | .1 | .5 | 1.6 | 3.1 | 1.9 | .1 | | | | | | | 181 | 181 | 104 | 10 |
| 64/ 63 | | | | .1 | | .1 | .4 | 1.6 | 1.8 | .8 | .1 | | | | | | | 116 | 116 | 84 | 18 |
| 62/ 61 | | .1 | | | | .2 | .5 | .9 | 1.1 | .1 | | | | | | | | 72 | 72 | 132 | 26 |
| 60/ 59 | | | | .0 | | .1 | .5 | .9 | .4 | .1 | | | | | | | | 48 | 48 | 155 | 34 |
| 58/ 57 | | | | | .0 | .3 | .1 | .4 | .1 | | | | | | | | | 21 | 21 | 250 | 40 |
| 56/ 55 | | | | | | | .1 | | | | | | | | | | | 3 | 3 | 353 | 50 |
| 54/ 53 | | | | | .1 | .1 | .0 | | | | | | | | | | | 5 | 5 | 368 | 66 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 309 | 64 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | 286 | 59 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 145 | 90 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | 64 | 121 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 18 | 153 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | 2 | 161 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 208 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 188 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 237 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 215 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 170 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 145 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 92 |

| 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 | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | JUN MONTH

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

| Temp. (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 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 80 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 63 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 39 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 15 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 16 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 4 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 2 |
| ~~6/ 5~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| TOTAL | | .2 | .3 | .8 | .7 | 1.4 | 4.6 | 11.0 | 17.1 | 19.5 | 18.0 | 13.3 | 8.0 | 3.7 | 1.3 | .2 | | 2382 | | 2382 | 2382 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 2480951 | 72179 | 30.3 | 11.108 | 2382 | | | | | | | |
| Dry Bulb | 12872397 | 174279 | 73.2 | 7.137 | 2382 | | | 73.1 | 46.9 | 18.0 | .0 | 90 |
| Wet Bulb | 7349780 | 131612 | 55.3 | 5.715 | 2382 | | | 4.2 | | | | 90 |
| Dew Point | 3823490 | 92456 | 38.8 | 9.932 | 2382 | | 23.7 | .6 | | | | 90 |

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) JUN (MONTH)

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

| Temp. (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 |
| 96/ 95 | | | | | | | | | | | | | | .0 | .0 | | | 2 | 2 | | |
| 94/ 93 | | | | | | | | | | | | | .2 | .1 | .1 | .0 | | 11 | 11 | | |
| 92/ 91 | | | | | | | | | | .0 | .1 | .3 | .3 | .2 | .1 | .2 | .0 | 28 | 28 | | |
| 90/ 89 | | | | | | | | | | | .3 | .3 | .3 | .4 | .5 | .1 | .0 | 53 | 53 | | |
| 88/ 87 | | | | | | | | .0 | .2 | .3 | .9 | .6 | .9 | .8 | .5 | .3 | .1 | 109 | 109 | | |
| 86/ 85 | | | | | | | | .1 | .4 | .5 | .8 | .7 | .7 | 1.0 | .7 | .3 | .1 | 127 | 127 | | |
| 84/ 83 | | | | | | | .1 | .2 | .2 | .8 | 1.1 | 1.6 | 1.5 | 1.2 | .6 | .1 | | 174 | 174 | | |
| 82/ 81 | | | | | .0 | .0 | .1 | .3 | .8 | .6 | 1.5 | 1.8 | 1.7 | 1.3 | .5 | .1 | | 206 | 206 | | |
| 80/ 79 | | | | | .0 | .2 | .3 | .1 | .7 | .9 | 2.0 | 2.1 | 2.0 | .9 | .0 | | | 219 | 219 | | |
| 78/ 77 | | | | .1 | .1 | .1 | .2 | .2 | .6 | 1.3 | 2.2 | 2.6 | 1.2 | .5 | | | | 215 | 215 | | |
| 76/ 75 | | | .0 | .1 | .1 | .2 | .2 | .5 | 1.0 | 1.9 | 2.2 | 2.4 | .8 | .2 | | | | 229 | 229 | | |
| 74/ 73 | | .0 | .0 | .0 | .0 | .2 | .3 | .4 | .8 | 2.3 | 3.2 | 2.2 | .3 | | | | | 231 | 231 | 5 | |
| 72/ 71 | | .0 | | .0 | .0 | .0 | .4 | .9 | 2.0 | 2.5 | 2.4 | .7 | .0 | | | | | 217 | 217 | 21 | 3 |
| 70/ 69 | | | .0 | .0 | | .1 | .4 | .5 | 2.0 | 2.4 | 1.8 | .1 | | | | | | 175 | 175 | 71 | 4 |
| 68/ 67 | | | | .1 | .0 | .0 | .3 | 1.2 | 1.9 | 1.7 | .4 | | | | | | | 137 | 137 | 79 | 9 |
| 66/ 65 | | | .1 | .0 | .0 | .1 | .2 | 1.1 | 1.6 | .8 | .1 | | | | | | | 97 | 97 | 117 | 16 |
| 64/ 63 | | | | .0 | | .1 | .2 | 1.3 | .8 | .3 | .0 | | | | | | | 63 | 63 | 123 | 23 |
| 62/ 61 | | .0 | | | | | .4 | .7 | .6 | .1 | | | | | | | | 43 | 43 | 193 | 24 |
| 60/ 59 | | | | | .0 | .1 | .3 | .5 | .2 | | | | | | | | | 28 | 28 | 258 | 50 |
| 58/ 57 | | | | | | .1 | .2 | .3 | | | | | | | | | | 13 | 13 | 313 | 56 |
| 56/ 55 | | | | | | .0 | .1 | .0 | | | | | | | | | | 4 | 4 | 355 | 63 |
| 54/ 53 | | | | | .0 | | | | | | | | | | | | | 1 | 1 | 320 | 78 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 269 | 67 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | 154 | 97 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 66 | 127 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | 33 | 136 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 4 | 157 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | 1 | 190 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 198 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 217 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 197 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 187 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 160 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 122 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
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USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) JUN (MONTH)

PAGE 2 0600-0800 (HOURS (L. S. T.))

| Temp. (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 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 66 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 54 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 38 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 20 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 14 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 6 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 1 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | | .1 | .3 | .5 | .5 | 1.3 | 3.6 | 8.4 | 13.6 | 16.4 | 18.9 | 15.3 | 10.1 | 6.6 | 3.1 | 1.1 | .3 | 2382 | 2382 | 2382 | 2382 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 2373035 | 70619 | 29.6 | 10.833 | 2382 | | | | | | | |
| Dry Bulb | 13920247 | 181229 | 76.1 | 7.442 | 2382 | | | 80.6 | 60.6 | 31.2 | .5 | 90 |
| Wet Bulb | 7839874 | 135980 | 57.1 | 5.696 | 2382 | | | 6.6 | .2 | | | 90 |
| Dew Point | 4176532 | 96950 | 40.7 | 9.840 | 2382 | | 18.2 | .6 | | | | 90 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) JUN (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL 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 |
| 106/105 | | | | | | | | | | | | | | | | | .6 | | 14 | 14 | | |
| 104/103 | | | | | | | | | | | | | | | | .0 | .8 | | 21 | 21 | | |
| 102/101 | | | | | | | | | | | | | | | .1 | .1 | 2.4 | | 61 | 61 | | |
| 100/ 99 | | | | | | | | | | | | | | .0 | .3 | .4 | 3.2 | | 95 | 95 | | |
| 98/ 97 | | | | | | | | | | | | .0 | .1 | .3 | .8 | 1.2 | 4.0 | | 151 | 151 | | |
| 96/ 95 | | | | | | | | | | | | .3 | .2 | .7 | 1.3 | 1.3 | 4.2 | | 190 | 190 | | |
| 94/ 93 | | | | | | | | | | .0 | .2 | .4 | .8 | .8 | 1.3 | 2.6 | 3.8 | | 238 | 238 | | |
| 92/ 91 | | | | | | | | | | .2 | .1 | .8 | .5 | 1.4 | 2.1 | 2.7 | 3.4 | | 269 | 269 | | |
| 90/ 89 | | | | | | | | | .1 | .2 | .5 | .8 | .7 | 2.0 | 2.7 | 3.1 | 1.9 | | 287 | 287 | | |
| 88/ 87 | | | | | | | .0 | .1 | .2 | .1 | .2 | .5 | 1.3 | 2.2 | 2.8 | 2.3 | .3 | | 234 | 234 | | |
| 86/ 85 | | | | | | | .1 | | .0 | .1 | .4 | .3 | 1.4 | 2.8 | 2.8 | .7 | .1 | | 207 | 207 | | |
| 84/ 83 | | | | | | | .0 | .2 | .0 | .1 | .2 | .8 | 1.8 | 1.9 | 1.4 | .1 | | | 154 | 155 | | |
| 82/ 81 | | | | | | .1 | | .1 | .2 | .2 | .7 | .7 | 2.0 | 1.7 | .3 | | | | 143 | 144 | | |
| 80/ 79 | | | | | .0 | .0 | .0 | .0 | .1 | .0 | .5 | 1.3 | 2.0 | .8 | | | | | 119 | 119 | | |
| 78/ 77 | | | | .0 | | | .1 | | .0 | .2 | .9 | 1.1 | .8 | .1 | .0 | | | | 79 | 80 | | |
| 76/ 75 | | | | | | .0 | .0 | .1 | .2 | .4 | .6 | 1.0 | .2 | | | | | | 59 | 59 | 5 | |
| 74/ 73 | | | | .0 | | .0 | | .0 | .3 | .3 | .3 | .3 | .0 | | | | | | 33 | 33 | 36 | |
| 72/ 71 | | | .1 | | .1 | .0 | .0 | .0 | .0 | .2 | .1 | | | | | | | | 14 | 14 | 65 | |
| 70/ 69 | | | | | .0 | | | | .2 | | | | | | | | | | 5 | 5 | 142 | 5 |
| 68/ 67 | | | | .0 | | | .0 | | .1 | | | | | | | | | | 4 | 4 | 179 | 10 |
| 66/ 65 | | | | | | | | .0 | | | | | | | | | | | 1 | 1 | 255 | 8 |
| 64/ 63 | | | | | | | | .0 | | | | | | | | | | | 1 | 1 | 333 | 23 |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | | 372 | 34 |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | | 424 | 34 |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | | 335 | 58 |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | | 157 | 73 |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | | 64 | 71 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | | 11 | 84 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | 1 | 112 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | | 116 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | | 160 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | | 172 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | | 206 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | | 187 |

| 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 | | | | | | | | | | | | |

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC JUL 64

DATA PROCESSING BRANCH
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# PSYCHROMETRIC SUMMARY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) JUN (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 221 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 221 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 154 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 143 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 116 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 59 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 55 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 23 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 16 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 2 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 8 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 2 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 2 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 1 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 1 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 1 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | | | | .1 | .2 | .3 | .4 | .7 | 1.5 | 2.1 | 4.7 | 8.4 | 11.8 | 14.8 | 15.9 | 14.5 | 24.7 | | 2382 | | 2379 |
| | | | | | | | | | | | | | | | | | | 2379 | | 2379 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 1142176 | 47956 | 20.2 | 8.990 | 2379 | | | | | | | |
| Dry Bulb | 18961980 | 211866 | 88.9 | 7.029 | 2382 | | | 89.9 | 89.1 | 80.8 | 29.1 | 90 |
| Wet Bulb | 9211424 | 147630 | 62.1 | 4.593 | 2379 | | | 16.2 | 1.6 | | | 90 |
| Dew Point | 4235913 | 97753 | 41.1 | 9.602 | 2379 | .0 | 16.3 | .6 | | | | 90 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | JUN MONTH

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

| Temp. (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 |
| 116/115 | | | | | | | | | | | | | | | | | .1 | 2 | 2 | | |
| 114/113 | | | | | | | | | | | | | | | | | .3 | 8 | 8 | | |
| 112/111 | | | | | | | | | | | | | | | | | 1.0 | 24 | 24 | | |
| 110/109 | | | | | | | | | | | | | | | | | 2.3 | 54 | 54 | | |
| 108/107 | | | | | | | | | | | | | | | | | 4.3 | 103 | 103 | | |
| 106/105 | | | | | | | | | | | | | | | | .1 | 5.3 | 128 | 128 | | |
| 104/103 | | | | | | | | | | | | | | | | .3 | 8.6 | 211 | 211 | | |
| 102/101 | | | | | | | | | | | | | .0 | | .0 | .3 | 8.6 | 214 | 214 | | |
| 100/ 99 | | | | | | | | | | | | | .0 | .2 | .5 | .9 | 9.3 | 259 | 259 | | |
| 98/ 97 | | | | | | | | | | | | .1 | .3 | .2 | .8 | .7 | 10.1 | 291 | 291 | | |
| 96/ 95 | | | | | | | | | | | .1 | .4 | .3 | .3 | .8 | 1.1 | 7.8 | 254 | 254 | | |
| 94/ 93 | | | | | | | | | | | .0 | .2 | .3 | .3 | .9 | 1.7 | 4.9 | 196 | 196 | | |
| 92/ 91 | | | | | | | | | | .0 | .1 | .1 | .1 | .6 | .6 | 1.8 | 3.2 | 159 | 159 | | |
| 90/ 89 | | | | | | | | | .0 | | .1 | .1 | .2 | .6 | 1.4 | 1.9 | 1.3 | 134 | 134 | | |
| 88/ 87 | | | | | | | | | | | .0 | .1 | .2 | .8 | 1.6 | 1.2 | .3 | 101 | 101 | | |
| 86/ 85 | | | | | | | | | .0 | .1 | .1 | .1 | .3 | .7 | 1.6 | .5 | | 86 | 88 | | |
| 84/ 83 | | | | | | | | .0 | .1 | .1 | | .0 | .7 | .5 | 1.1 | | | 60 | 61 | | |
| 82/ 81 | | | | | | | | | .0 | .1 | .2 | .3 | .8 | .3 | .0 | | | 47 | 47 | | |
| 80/ 79 | | | | | | | | | | .1 | .1 | .3 | .3 | .2 | | | | 25 | 25 | | |
| 78/ 77 | | | | | .0 | | .0 | .0 | .0 | .1 | .0 | .2 | .0 | | | | | 12 | 12 | 1 | |
| 76/ 75 | | | | | | | | | | .0 | .1 | .1 | | | | | | 6 | 6 | 14 | |
| 74/ 73 | | | | | | .1 | | | | | .0 | | | | | | | 3 | 3 | 58 | |
| 72/ 71 | | | | .0 | | | | | | | | | | | | | | 1 | 1 | 124 | |
| 70/ 69 | | | | | | | | | | .0 | | | | | | | | 1 | 1 | 221 | 1 |
| 68/ 67 | | | | | | | | | | | | | | | | | | | | 269 | 4 |
| 66/ 65 | | | | | | | | | | | | | | | | | | | | 399 | 9 |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | 417 | 20 |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | 390 | 23 |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | 290 | 28 |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | 144 | 34 |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | 45 | 54 |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 6 | 77 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 1 | 74 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | 102 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | JUN MONTH

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

| Temp. (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 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | 111 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 123 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 155 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 182 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 246 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 199 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 228 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 196 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 136 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 127 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 67 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 59 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 38 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 24 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 9 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 25 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 10 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 7 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 4 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 1 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 4 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 1 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | | | | .0 | .0 | .1 | .0 | .1 | .3 | .6 | 1.1 | 2.0 | 3.6 | 5.0 | 9.2 | 10.5 | 67.4 | | 2382 | | 2379 |
| | | | | | | | | | | | | | | | | | | 2379 | | 2379 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 649731 | 35811 | 15.1 | 6.822 | 2379 | | | | | | | |
| Dry Bulb | 22370668 | 230180 | 96.6 | 7.322 | 2382 | | | 90.0 | 89.9 | 88.7 | 65.9 | 90 |
| Wet Bulb | 9855439 | 152787 | 64.2 | 4.251 | 2379 | | | 26.0 | 2.8 | | | 90 |
| Dew Point | 3939273 | 93969 | 39.5 | 9.782 | 2379 | .0 | 19.4 | .2 | | | | 90 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 (STATION) | LUKE AFB ARIZONA/PHOENIX (STATION NAME) | 42-46,51-72 (YEARS) | JUN (MONTH)

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

| Temp. (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 |
| 118/117 | | | | | | | | | | | | | | | | | .2 | 4 | 4 | | |
| 116/115 | | | | | | | | | | | | | | | | | .4 | 10 | 10 | | |
| 114/113 | | | | | | | | | | | | | | | | | 1.8 | 44 | 44 | | |
| 112/111 | | | | | | | | | | | | | | | | | 3.0 | 72 | 72 | | |
| 110/109 | | | | | | | | | | | | | | | | | 5.2 | 123 | 123 | | |
| 108/107 | | | | | | | | | | | | | | | | | 7.7 | 183 | 183 | | |
| 106/105 | | | | | | | | | | | | | | | | .2 | 9.9 | 241 | 241 | | |
| 104/103 | | | | | | | | | | | | | | | | .1 | 9.7 | 232 | 232 | | |
| 102/101 | | | | | | | | | | | | | | .1 | .1 | .4 | 9.3 | 234 | 234 | | |
| 100/ 99 | | | | | | | | | | | | | | .4 | .3 | .4 | 12.5 | 322 | 322 | | |
| 98/ 97 | | | | | | | | | | | | | .1 | .1 | .3 | .3 | 8.7 | 226 | 227 | | |
| 96/ 95 | | | | | | | | | | | .0 | .3 | .0 | .1 | .3 | .7 | 5.2 | 158 | 158 | | |
| 94/ 93 | | | | | | | | | | | .0 | .1 | .0 | | .3 | 1.1 | 3.7 | 125 | 125 | | |
| 92/ 91 | | | | | | | | | | | | .1 | | .1 | .3 | .9 | 2.9 | 105 | 105 | | |
| 90/ 89 | | | | | | | | | | .0 | .0 | .0 | .1 | .1 | .8 | 1.8 | 1.7 | 112 | 113 | | |
| 88/ 87 | | | | | | | | | .0 | .1 | .1 | .2 | | .6 | 1.0 | 1.2 | .4 | 84 | 85 | | |
| 86/ 85 | | | | | | | | | .0 | .1 | .0 | .1 | .1 | .5 | .8 | .3 | | 48 | 48 | | |
| 84/ 83 | | | | | | | | | .1 | .1 | .0 | .1 | .3 | .4 | .2 | .0 | | 28 | 28 | | |
| 82/ 81 | | | | | | | .0 | .0 | | | | .0 | .2 | .2 | .1 | | | 13 | 13 | | |
| 80/ 79 | | | | | | | .0 | | | | .1 | .2 | .2 | .1 | | | | 13 | 13 | | |
| 78/ 77 | | | | | | .0 | | | | | | .0 | | | | | | 2 | 2 | 1 | |
| 76/ 75 | | | | | .0 | | | | | | | | | | | | | 1 | 1 | 17 | |
| 74/ 73 | | | | .1 | | | | | | | | | | | | | | 2 | 2 | 52 | |
| 72/ 71 | | | | | | | | | | | | | | | | | | | | 148 | |
| 70/ 69 | | | .0 | | | | | | | | | | | | | | | 1 | 1 | 240 | |
| 68/ 67 | | | | | | | | | | | | | | | | | | | | 338 | 1 |
| 66/ 65 | | | | | | | | | | | | | | | | | | | | 427 | 9 |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | 408 | 18 |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | 355 | 18 |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | 263 | 16 |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | 105 | 29 |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | 27 | 28 |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 2 | 43 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | | 71 |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | 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 | | | | | | | | | | | | |

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | JUN MONTH

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

| Temp. (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 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | 86 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | 85 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 106 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 166 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 180 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 206 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 243 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 219 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 208 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 162 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 111 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 68 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 75 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 68 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 46 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 18 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 32 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 28 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 14 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 10 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 2 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 8 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 4 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 3 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | | | .0 | .1 | .0 | .0 | .1 | .0 | .2 | .3 | .4 | 1.2 | .9 | 2.7 | 4.4 | 7.4 | 82.3 | | 2386 | | 2383 |
| | | | | | | | | | | | | | | | | | | 2383 | | 2383 | |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 481785 | 30327 | 12.7 | 6.343 | 2383 | | | | | | | |
| Dry Bulb | 23883206 | 238074 | 99.8 | 7.334 | 2386 | | | 90.0 | 90.0 | 89.5 | 74.5 | 90 |
| Wet Bulb | 10024405 | 154247 | 64.7 | 4.113 | 2383 | | | 30.1 | 2.6 | | | 90 |
| Dew Point | 3893147 | 89309 | 37.5 | 10.164 | 2383 | | 24.6 | .0 | | | | 90 |

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION — LUKE AFB ARIZONA/PHOENIX STATION NAME — 42-46,51-72 YEARS — JUN MONTH

PAGE 1 — 1800-2000 HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 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 | TOTAL D.B. W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 116/115 | | | | | | | | | | | | | | | | | .0 | 1 | 1 | | |
| 114/113 | | | | | | | | | | | | | | | | | .4 | 9 | 9 | | |
| 112/111 | | | | | | | | | | | | | | | | | .7 | 17 | 17 | | |
| 110/109 | | | | | | | | | | | | | | | | | 1.3 | 32 | 32 | | |
| 108/107 | | | | | | | | | | | | | | | | | 3.6 | 86 | 86 | | |
| 106/105 | | | | | | | | | | | | | | | | .0 | 4.9 | 117 | 117 | | |
| 104/103 | | | | | | | | | | | | | | | .0 | .1 | 6.2 | 151 | 151 | | |
| 102/101 | | | | | | | | | | | | | | | .1 | .2 | 8.0 | 198 | 198 | | |
| 100/ 99 | | | | | | | | | | | | | | .1 | .4 | .9 | 8.9 | 2[illegible] | 243 | | |
| 98/ 97 | | | | | | | | | | | | | .1 | .2 | .7 | .7 | 9.6 | 269 | 269 | | |
| 96/ 95 | | | | | | | | | | | | .1 | .3 | .2 | .5 | .8 | 8.1 | 239 | 239 | | |
| 94/ 93 | | | | | | | | | | | .1 | .3 | .3 | .4 | .7 | 1.8 | 6.4 | 236 | 236 | | |
| 92/ 91 | | | | | | | | | | | .0 | .1 | .2 | .4 | .9 | 1.5 | 4.4 | 181 | 181 | | |
| 90/ 89 | | | | | | | | | | .1 | | .0 | .3 | .7 | 1.7 | 2.2 | 2.3 | 176 | 176 | | |
| 88/ 87 | | | | | | | | | .0 | .0 | | | .2 | 1.0 | 1.5 | 1.6 | .7 | 121 | 121 | | |
| 86/ 85 | | | | | | | .0 | .0 | .1 | | | .1 | .3 | .9 | 1.3 | 1.0 | .1 | 96 | 96 | | |
| 84/ 83 | | | | | | | .0 | | | | .2 | .2 | .6 | .9 | 1.1 | .2 | | 78 | 78 | | |
| 82/ 81 | | | | | | | .1 | .1 | | .0 | .0 | .2 | .7 | 1.0 | .3 | .0 | | 57 | 57 | | |
| 80/ 79 | | | | | .0 | | .1 | | .0 | .1 | .0 | .2 | .4 | .4 | .2 | | | 36 | 36 | | |
| 78/ 77 | | | | | .1 | .0 | | | .0 | | .1 | .1 | .4 | | | | | 19 | 19 | | |
| 76/ 75 | | | | | .0 | .1 | | | .0 | | .0 | .0 | .1 | .0 | | | | 9 | 9 | 3 | |
| 74/ 73 | | | .0 | | | | | | | .0 | | .1 | | | | | | 5 | 5 | 32 | |
| 72/ 71 | | | | | .1 | .0 | | .0 | | | | | | | | | | 4 | 4 | 86 | |
| 70/ 69 | | | | | .0 | .0 | | | | | .0 | | | | | | | 3 | 3 | 208 | 1 |
| 68/ 67 | | | | .0 | | | | | | | | | | | | | | 1 | 1 | 236 | 4 |
| 66/ 65 | | | | | | | | | | | | | | | | | | | | 337 | 5 |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | 417 | 8 |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | 394 | 24 |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | 356 | 17 |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | 188 | 30 |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | 95 | 37 |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 27 | 51 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | .4 | .66 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | 1 | 95 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | JUN MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL 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 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | 83 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 121 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 165 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 173 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 194 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 222 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 212 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 193 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 185 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 126 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 91 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 82 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 54 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 48 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 14 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 29 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 20 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 13 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 8 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 3 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 7 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 1 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 1 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | | | .0 | .1 | .3 | .2 | .3 | .2 | .3 | .4 | .5 | 1.5 | 3.7 | 6.3 | 9.3 | 11.0 | 65.7 | 2384 | 2384 | 2384 | 2384 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 041003 | 34959 | 14.7 | 7.339 | 2384 | | | | | | | |
| Dry Bulb | 21829646 | 227416 | 95.4 | 7.550 | 2384 | | | 90.0 | 89.7 | 88.0 | 60.3 | 90 |
| Wet Bulb | 3589136 | 150846 | 63.3 | 4.319 | 2384 | | | 21.3 | 1.3 | | | 90 |
| Dew Point | 3631743 | 89951 | 37.7 | 9.989 | 2384 | .0 | 25.8 | .2 | | | | 90 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
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AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | JUN MONTH

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

| Temp. (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 |
| 106/105 | | | | | | | | | | | | | | | | | .1 | 2 | 2 | | |
| 104/103 | | | | | | | | | | | | | | | | | .3 | 6 | 6 | | |
| 102/101 | | | | | | | | | | | | | | | | | .5 | 12 | 12 | | |
| 100/ 99 | | | | | | | | | | | | | | | .0 | .3 | 1.3 | 37 | 37 | | |
| 98/ 97 | | | | | | | | | | | | | .1 | | .4 | .7 | 1.5 | 63 | 63 | | |
| 96/ 95 | | | | | | | | | | | | .1 | .1 | .3 | 1.3 | .6 | 2.5 | 119 | 119 | | |
| 94/ 93 | | | | | | | | | | | | .0 | .6 | 1.2 | .7 | 1.8 | 2.4 | 163 | 163 | | |
| 92/ 91 | | | | | | | | | | | .1 | .3 | .5 | .8 | 1.7 | 2.5 | 2.7 | 202 | 202 | | |
| 90/ 89 | | | | | | | | | .0 | .1 | .3 | .4 | .8 | 1.5 | 2.6 | 3.4 | 2.0 | 265 | 265 | | |
| 88/ 87 | | | | | | | | | .1 | .4 | .5 | .3 | 1.2 | 1.6 | 3.1 | 2.7 | .9 | 256 | 256 | | |
| 86/ 85 | | | | | | | .0 | .1 | .1 | .2 | .3 | .7 | 1.6 | 2.8 | 3.5 | 1.7 | .5 | 275 | 275 | | |
| 84/ 83 | | | | | | | .1 | .2 | | .1 | .3 | .5 | 1.7 | 2.6 | 2.3 | .7 | .1 | 204 | 204 | | |
| 82/ 81 | | | | | | | .1 | .1 | | .2 | .3 | 1.5 | 2.2 | 3.1 | .9 | .2 | | 202 | 202 | | |
| 80/ 79 | | | | | .0 | .0 | .2 | | .0 | .3 | .5 | 1.4 | 2.7 | 2.2 | .3 | | | 183 | 183 | | |
| 78/ 77 | | | .0 | .0 | | .0 | .0 | | | .3 | 1.0 | 2.1 | 1.8 | .8 | | | | 148 | 148 | | |
| 76/ 75 | | | | .0 | .0 | .2 | | .2 | .2 | .3 | 1.0 | 1.5 | 1.0 | | | | | 104 | 104 | 1 | |
| 74/ 73 | | | | | .0 | | .0 | .1 | .1 | .3 | .9 | .9 | .3 | | | | | 65 | 65 | 11 | |
| 72/ 71 | | | | | .0 | .0 | | .0 | .0 | .3 | .7 | .3 | .0 | | | | | 36 | 36 | 27 | 2 |
| 70/ 69 | | | | | .0 | | .1 | .2 | .1 | .4 | .3 | .2 | | | | | | 30 | 30 | 93 | 1 |
| 68/ 67 | | | | .1 | | | | | | .1 | .1 | .0 | | | | | | 8 | 8 | 137 | 4 |
| 66/ 65 | | | .0 | .1 | | | | .0 | .0 | | | | | | | | | 5 | 5 | 140 | 5 |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | 260 | 25 |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | 315 | 21 |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | 411 | 24 |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | 397 | 26 |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | 313 | 44 |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 178 | 64 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 77 | 78 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | 20 | 77 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 5 | 81 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 136 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 145 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 151 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 203 |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | 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 | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | JUN MONTH

PAGE 2 | 2100-2300 HOURS (L. S. T.)

| Temp. (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 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 218 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 218 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 182 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 164 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 162 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 106 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 80 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 48 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 45 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 16 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 24 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 14 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 10 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 3 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 3 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 1 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 2 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | | | .1 | .2 | .2 | .3 | .5 | .9 | .8 | 3.2 | 6.2 | 10.2 | 14.5 | 17.0 | 16.9 | 14.5 | 14.5 | 2385 | 2385 | 2385 | 2384 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 1144612 | 47750 | 20.0 | 8.879 | 2383 | | | | | | | |
| Dry Bulb | 17618214 | 204314 | 85.7 | 6.957 | 2385 | | | 89.8 | 87.0 | 72.4 | 15.2 | 90 |
| Wet Bulb | 8621760 | 142944 | 59.9 | 4.780 | 2385 | | | 10.2 | .5 | | | 90 |
| Dew Point | 3724280 | 91120 | 38.2 | 10.068 | 2384 | | 25.6 | .3 | | | | 90 |

USAFETAC FORM 0-26-5 (OL A) 1 JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | JUL MONTH

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

| Temp (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 |
| 102/101 | | | | | | | | | | | | | | | | | .0 | 1 | 1 | | |
| 100/ 99 | | | | | | | | | | | | | .0 | | .1 | .1 | .0 | 6 | 6 | | |
| 98/ 97 | | | | | | | | | | | | | | .2 | .1 | .2 | .1 | 16 | 16 | | |
| 96/ 95 | | | | | | | | | | | .0 | .1 | .7 | 1.1 | .4 | .3 | .1 | 67 | 67 | | |
| 94/ 93 | | | | | | | | | | | .4 | .8 | 1.7 | .7 | .7 | .4 | .2 | 118 | 118 | | |
| 92/ 91 | | | | | | | | .0 | .1 | .4 | 1.5 | 3.2 | 2.2 | 1.3 | .8 | .5 | .4 | 255 | 255 | | |
| 90/ 89 | | | | | | | | .0 | 1.0 | 2.3 | 4.9 | 2.9 | 2.0 | 1.4 | 1.1 | .3 | .2 | 391 | 392 | | |
| 88/ 87 | | | | | | | .1 | .7 | 2.5 | 3.1 | 2.8 | 1.6 | 1.7 | 1.2 | 1.0 | .2 | .0 | 366 | 366 | | |
| 86/ 85 | | | | | | .2 | .8 | 2.3 | 3.1 | 1.8 | 2.0 | 1.6 | 1.1 | 1.2 | .8 | .3 | | 372 | 372 | | |
| 84/ 83 | | | | .0 | .2 | .6 | 1.2 | 2.7 | 1.6 | .8 | .9 | 1.0 | .9 | 1.0 | .5 | .0 | .0 | 281 | 281 | | |
| 82/ 81 | | | | .0 | .9 | 1.6 | 1.5 | 1.4 | .5 | .4 | .5 | .3 | .7 | .4 | .1 | | | 202 | 202 | | |
| 80/ 79 | | | | .7 | 1.3 | 1.2 | .6 | .2 | .1 | .5 | .1 | .5 | .2 | .3 | | | | 138 | 138 | | |
| 78/ 77 | | .0 | .7 | .6 | .6 | .2 | .1 | .0 | .1 | .2 | .4 | .3 | .3 | .1 | | | | 96 | 96 | 4 | |
| 76/ 75 | | .2 | .9 | 1.0 | .2 | .1 | .0 | | .0 | .2 | .2 | .2 | .1 | | | | | 80 | 80 | 32 | 2 |
| 74/ 73 | | .4 | .5 | .1 | .0 | | | .0 | .2 | .3 | .0 | .0 | .0 | | | | | 40 | 40 | 202 | 21 |
| 72/ 71 | | .1 | | .0 | | | | | .1 | .2 | | .0 | | | | | | 12 | 12 | 481 | 66 |
| 70/ 69 | | | | | | | | | | | | | | | | | | | | 616 | 110 |
| 68/ 67 | | | | | | | | | | | | | | | | | | | | 304 | 152 |
| 66/ 65 | | | | | | | | | | | | | | | | | | | | 215 | 183 |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | 158 | 223 |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | 141 | 255 |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | 119 | 220 |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | 91 | 189 |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | 50 | 162 |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 23 | 122 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 3 | 108 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | 2 | 98 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | 74 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 77 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 62 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 51 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 63 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 53 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 35 |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | JUL MONTH

PAGE 2 | 0000-0200 HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 31 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 23 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 22 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 14 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 12 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 10 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 1 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 1 |
| 18/ 15 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | | .7 | 2.2 | 2.4 | 3.5 | 3.9 | 4.3 | 7.6 | 9.3 | 10.2 | 13.8 | 12.7 | 11.6 | 8.8 | 5.6 | 2.3 | 1.2 | | 2442 | | 2441 |
| | | | | | | | | | | | | | | | | | | 2441 | | 2441 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 4469414 | 99892 | 39.3 | 16.967 | 2441 | | | | | | | |
| Dry Bulb | 18150144 | 210150 | 86.1 | 5.175 | 2442 | | | 93.0 | 92.5 | 82.5 | 7.9 | 93 |
| Wet Bulb | 11165564 | 164664 | 67.5 | 4.864 | 2441 | | | 62.4 | 9.1 | | | 93 |
| Dew Point | 7959458 | 136960 | 56.1 | 10.614 | 2441 | | 3.2 | 13.4 | .9 | | | 93 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | JUL MONTH

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

| Temp (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 |
| 100/ 99 | | | | | | | | | | | | | | | | .0 | | 1 | 1 | | |
| 98/ 97 | | | | | | | | | | | | | .0 | | | | | 1 | 1 | | |
| 96/ 95 | | | | | | | | | | | | | .0 | .0 | | | | 2 | 2 | | |
| 94/ 93 | | | | | | | | | | | .1 | | .2 | .1 | .1 | | .0 | 11 | 11 | | |
| 92/ 91 | | | | | | | | | | | .3 | .7 | .2 | .3 | | .2 | .0 | 40 | 40 | | |
| 90/ 89 | | | | | | | | | .2 | 1.1 | 2.3 | 1.5 | .7 | .3 | .1 | .0 | .0 | 152 | 152 | | |
| 88/ 87 | | | | | | | | .3 | 1.3 | 2.7 | 2.3 | 1.7 | 1.1 | .4 | .2 | .1 | | 251 | 251 | | |
| 86/ 85 | | | | | | .1 | .4 | 1.7 | 4.4 | 3.1 | 2.4 | 1.8 | 1.2 | .6 | .2 | | | 383 | 383 | | |
| 84/ 83 | | | | .0 | .1 | .5 | 2.0 | 3.1 | 2.8 | 1.6 | 1.8 | .9 | .9 | .5 | .2 | | | 347 | 348 | | |
| 82/ 81 | | | | .2 | .6 | 1.7 | 4.4 | 2.1 | 1.4 | 1.0 | 1.0 | .7 | .3 | .5 | .0 | | | 338 | 336 | | |
| 80/ 79 | | | .2 | .7 | 2.1 | 2.6 | 1.9 | 1.2 | .9 | 1.0 | 1.4 | .8 | .3 | .1 | | | | 326 | 326 | | |
| 78/ 77 | | .1 | .6 | 1.3 | 1.4 | 1.0 | .7 | .5 | .7 | .7 | .5 | .6 | .4 | .1 | | | | 208 | 208 | 1 | |
| 76/ 75 | | .3 | 1.0 | 1.1 | .7 | .3 | .2 | .2 | .6 | .6 | .5 | .4 | .1 | | | | | 151 | 151 | 23 | 3 |
| 74/ 73 | | .8 | .6 | .3 | .1 | .0 | .1 | .2 | .4 | .6 | .5 | .6 | .1 | | | | | 102 | 102 | 130 | 19 |
| 72/ 71 | | .3 | .2 | .1 | .0 | | .0 | .2 | .4 | .3 | .2 | .2 | | | | | | 47 | 47 | 387 | 64 |
| 70/ 69 | | | | .0 | .0 | | .1 | .2 | .3 | .3 | .1 | .1 | | | | | | 32 | 32 | 597 | 128 |
| 68/ 67 | | | | | | | | .1 | .2 | .0 | .0 | .0 | | | | | | 10 | 10 | 333 | 156 |
| 66/ 65 | | | | | | | .1 | .2 | .0 | .1 | | | | | | | | 9 | 9 | 239 | 230 |
| 64/ 63 | | | | | | | .0 | | | | | | | | | | | 1 | 1 | 164 | 254 |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | 143 | 249 |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | 121 | 206 |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | 105 | 145 |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | 66 | 145 |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 64 | 103 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 28 | 114 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | 8 | 90 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 3 | 80 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 82 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 62 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 56 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 54 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 32 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 40 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 33 |

| 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 | | | | | | | | | | | | |

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# PSYCHROMETRIC SUMMARY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) JUL (MONTH)

PAGE 2 0300-0500 (HOURS (L. S. T.))

| Temp. (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 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 27 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 9 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 10 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 9 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 7 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 1 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 4 |
| TOTAL | | 1.5 | 2.8 | 3.8 | 5.1 | 6.2 | 9.9 | 10.0 | 13.8 | 13.3 | 13.7 | 9.9 | 5.8 | 3.0 | .9 | .4 | .1 | | 2413 | | 2412 |
| | | | | | | | | | | | | | | | | | | 2412 | | 2412 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 5599766 | 108664 | 45.1 | 17.091 | 2412 | | | | | | | |
| Dry Bulb | 16278815 | 197817 | 82.0 | 5.063 | 2413 | | | 92.6 | 89.2 | 65.9 | .6 | 93 |
| Wet Bulb | 10709514 | 160184 | 66.4 | 5.445 | 2412 | | | 56.7 | 5.9 | | | 93 |
| Dew Point | 8037652 | 136916 | 56.8 | 10.497 | 2412 | | 2.6 | 14.3 | .8 | | | 93 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 — STATION NUMBER
LUKE AFB ARIZONA/PHOENIX — STATION NAME
42-46,51-72 — YEARS
JUL — MONTH

PAGE 1

0600-0800 — HOURS (L. S. T.)

| Temp. (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 |
| 96/ 95 | | | | | | | | | | | .0 | .2 | .2 | .1 | .1 | | .0 | 14 | 14 | | |
| 94/ 93 | | | | | | | | | .0 | | .2 | .7 | .6 | .6 | .2 | .1 | | 61 | 61 | | |
| 92/ 91 | | | | | | | | .1 | .0 | .6 | 1.2 | 1.2 | .8 | .6 | .3 | | .1 | 118 | 118 | | |
| 90/ 89 | | | | | | | | .3 | .9 | 2.0 | 2.9 | 1.0 | 1.6 | .4 | .2 | .1 | | 233 | 233 | | |
| 88/ 87 | | | | | | | .3 | 1.0 | 3.1 | 3.0 | 2.6 | 1.4 | .8 | .6 | .3 | .0 | | 327 | 327 | | |
| 86/ 85 | | | | | | .0 | .4 | 1.2 | 2.5 | 3.8 | 2.9 | 1.6 | 1.2 | .6 | .4 | .2 | | 376 | 376 | | |
| 84/ 83 | | | | | .2 | 1.2 | 2.2 | 3.4 | 2.5 | 1.0 | 1.2 | 1.0 | 1.0 | .4 | .1 | | | 354 | 354 | | |
| 82/ 81 | | | | .3 | .8 | 2.0 | 3.0 | 2.3 | 1.6 | 1.2 | .7 | .6 | .8 | .4 | .0 | | | 343 | 343 | | |
| 80/ 79 | | | .1 | .9 | 1.7 | 1.4 | 1.5 | .8 | .8 | .9 | 1.0 | .5 | .7 | .1 | | | | 256 | 256 | | |
| 78/ 77 | | .0 | .6 | 1.7 | .9 | .5 | .6 | .3 | .5 | .6 | .6 | .3 | .2 | .1 | | | | 173 | 173 | 6 | |
| 76/ 75 | | .0 | .6 | .7 | .4 | .2 | .2 | .2 | .3 | .7 | .6 | .5 | .1 | | | | | 122 | 122 | 58 | 2 |
| 74/ 73 | | .3 | .5 | .0 | .0 | .0 | .1 | .2 | .3 | .3 | .2 | .2 | .0 | | | | | 55 | 55 | 257 | 24 |
| 72/ 71 | | .2 | .1 | | | | | .2 | .3 | .2 | .2 | .0 | | | | | | 29 | 29 | 489 | 72 |
| 70/ 69 | | | .0 | | | | .0 | .0 | .2 | .1 | .0 | .0 | | | | | | 14 | 14 | 546 | 167 |
| 68/ 67 | | | .0 | | | | | .2 | .2 | .1 | | | | | | | | 13 | 13 | 330 | 197 |
| 66/ 65 | | | | | | | .0 | .0 | | | | | | | | | | 2 | 2 | 219 | 237 |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | 154 | 291 |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | 111 | 259 |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | 109 | 223 |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | 94 | 156 |
| 56/ 55 | | | | | | | | | | | | | | | | | | | -1 | 54 | 133 |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 40 | 106 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 19 | 102 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | 4 | 88 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | 71 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 65 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 51 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 64 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 44 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 36 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 29 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 22 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 24 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 11 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | 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 | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
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# PSYCHROMETRIC SUMMARY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) JUL (MONTH)

PAGE 2 0600-0800 (HOURS (L. S. T.))

| Temp. (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 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 5 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 4 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 3 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 4 |
| TOTAL | | .5 | 2.2 | 3.7 | 4.1 | 5.8 | 9.2 | 11.5 | 14.6 | 13.7 | 13.1 | 9.0 | 7.2 | 3.5 | 1.4 | .4 | .2 | 2490 | 2491 | 2490 | 2490 |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | 93 F | Total |
| Rel. Hum. | 5555121 | 110709 | 44.5 | 15.945 | 2490 | | | | | | | |
| Dry Bulb | 17452670 | 208108 | 83.5 | 5.168 | 2491 | | | 92.9 | 90.8 | 73.4 | 2.8 | 93 |
| Wet Bulb | 11412016 | 168066 | 67.5 | 5.233 | 2490 | | | 63.0 | 12.0 | | | 93 |
| Dew Point | 8617890 | 144380 | 58.0 | 9.945 | 2490 | | 1.9 | 17.3 | 1.0 | | | 93 |

USAFETAC FORM 0-26-5 (OL A) 201 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
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AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) JUL (MONTH)

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

| Temp. (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 |
| 108/107 | | | | | | | | | | | | | | | | .0 | | 1 | 1 | | |
| 106/105 | | | | | | | | | | | | | | | | .0 | .8 | 20 | 20 | | |
| 104/103 | | | | | | | | | | | | | | .2 | .2 | .3 | .8 | 37 | 37 | | |
| 102/101 | | | | | | | | | | | | | .2 | .2 | .8 | .8 | 2.4 | 109 | 110 | | |
| 100/ 99 | | | | | | | | | | | | .3 | .6 | 1.1 | 2.4 | 1.3 | 2.3 | 201 | 201 | | |
| 98/ 97 | | | | | | | | | | | .0 | .7 | 2.8 | 2.7 | 2.2 | 1.6 | 2.6 | 313 | 313 | | |
| 96/ 95 | | | | | | | | | | .1 | 1.0 | 3.2 | 3.8 | 2.5 | 1.7 | 1.5 | 1.9 | 386 | 386 | | |
| 94/ 93 | | | | | | | | | .3 | 1.0 | 2.8 | 4.8 | 2.9 | 1.9 | 1.2 | 1.3 | 1.0 | 421 | 421 | | |
| 92/ 91 | | | | | | | | .2 | .7 | 2.5 | 3.7 | 2.2 | 1.1 | 1.0 | .6 | .8 | .7 | 341 | 341 | | |
| 90/ 89 | | | | | | | | .7 | 1.7 | 2.7 | 1.9 | 1.1 | .5 | .6 | .8 | .4 | .2 | 262 | 262 | | |
| 88/ 87 | | | | | | .0 | .6 | 1.0 | 1.6 | 1.3 | .6 | .2 | .4 | .4 | .4 | .1 | | 169 | 169 | | |
| 86/ 85 | | | | | .0 | .5 | .8 | 1.0 | .4 | .2 | .1 | | .0 | .2 | .1 | | | 82 | 82 | | |
| 84/ 83 | | | | | .2 | .4 | 1.1 | .2 | .1 | | | .0 | .1 | .1 | .0 | | | 56 | 56 | | |
| 82/ 81 | | | .0 | .1 | .2 | .7 | .3 | .1 | | | | .0 | .1 | | | | | 37 | 37 | | |
| 80/ 79 | | | .0 | .4 | .4 | .3 | | | | | | | | | | | | 27 | 27 | | |
| 78/ 77 | | | .2 | .1 | .0 | .0 | | | | | | | | | | | | 10 | 10 | 58 | |
| 76/ 75 | | | .2 | .0 | | | | | | | | | | | | | | 7 | 7 | 215 | 2 |
| 74/ 73 | | .0 | .1 | .0 | | | | | | | | | | | | | | 4 | 4 | 537 | 13 |
| 72/ 71 | | | | | | | | | | | | | | | | | | | | 627 | 63 |
| 70/ 69 | | | | | | | | | | | | | | | | | | | | 388 | 105 |
| 68/ 67 | | | | | | | | | | | | | | | | | | | | 234 | 188 |
| 66/ 65 | | | | | | | | | | | | | | | | | | | | 157 | 240 |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | 120 | 267 |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | 90 | 289 |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | 44 | 251 |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | 12 | 177 |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | 1 | 143 |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | | 114 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | | 87 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | 100 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | 63 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 81 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 65 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 56 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | JUL MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 47 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 25 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 43 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 25 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 18 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 6 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 3 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 5 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 2 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 4 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | | .0 | .6 | .7 | .8 | 2.0 | 2.8 | 3.1 | 4.8 | 7.8 | 10.1 | 12.6 | 12.5 | 10.9 | 10.6 | 8.1 | 12.6 | | 2484 | | 2483 |
| | | | | | | | | | | | | | | | | | | 2483 | | 2483 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
| Rel. Hum. | 3134140 | 81382 | 32.8 | 13.714 | 2483 | | | | | | | |
| Dry Bulb | 21704844 | 231838 | 93.3 | 5.187 | 2484 | | | 93.0 | 93.0 | 91.7 | 55.7 | 93 |
| Wet Bulb | 12320198 | 174618 | 70.3 | 4.020 | 2483 | | | 77.1 | 30.3 | | | 93 |
| Dew Point | 8436162 | 142754 | 57.5 | 9.645 | 2483 | | 1.5 | 13.9 | .6 | | | 93 |

USAFETAC FORM 0-26-5 (OL-A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | JUL MONTH

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

| Temp. (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 |
| 116/115 | | | | | | | | | | | | | | | | | .0 | 1 | 1 | | |
| 114/113 | | | | | | | | | | | | | | | | | .5 | 12 | 12 | | |
| 112/111 | | | | | | | | | | | | | | | | | 1.2 | 31 | 31 | | |
| 110/109 | | | | | | | | | | | | | | | | | 2.7 | 68 | 69 | | |
| 108/107 | | | | | | | | | | | | | | | | .2 | 6.3 | 163 | 163 | | |
| 106/105 | | | | | | | | | | | | | | | .4 | 1.3 | 8.2 | 252 | 252 | | |
| 104/103 | | | | | | | | | | | | | .0 | .6 | 1.5 | 3.2 | 9.4 | 371 | 371 | | |
| 102/101 | | | | | | | | | | | .0 | .0 | .4 | 1.6 | 3.9 | 3.2 | 6.2 | 383 | 383 | | |
| 100/ 99 | | | | | | | | | | | .1 | .4 | 2.0 | 4.2 | 3.6 | 2.1 | 4.3 | 417 | 417 | | |
| 98/ 97 | | | | | | | | | .0 | .0 | .3 | 1.2 | 2.4 | 2.6 | 1.9 | 1.0 | 2.0 | 285 | 285 | | |
| 96/ 95 | | | | | | | | | | .2 | 1.2 | 1.9 | 2.4 | .9 | .5 | .2 | .5 | 193 | 193 | | |
| 94/ 93 | | | | | | | | | .2 | .5 | 1.0 | 1.2 | 1.1 | .2 | .1 | .0 | .1 | 112 | 112 | | |
| 92/ 91 | | | | | | | | .0 | .3 | .8 | .7 | .4 | .2 | .0 | .0 | .0 | .1 | 65 | 65 | | |
| 90/ 89 | | | | | | | .2 | .4 | .7 | .7 | .2 | .1 | .1 | | | .1 | | 63 | 63 | | |
| 88/ 87 | | | | | | .0 | .2 | .3 | .4 | .2 | .0 | | | | | | | 29 | 29 | | |
| 86/ 85 | | | | | | .1 | .3 | .1 | .0 | .0 | | | | | | | | 16 | 16 | | |
| 84/ 83 | | | | | .0 | .2 | .0 | .0 | | | | | | | | | | 8 | 8 | | |
| 82/ 81 | | | | .0 | .2 | .0 | .0 | | | .0 | | | | | | | | 8 | 8 | .3 | |
| 80/ 79 | | | .0 | .1 | .0 | .0 | | | | | | | | | | | | 6 | 6 | 13 | |
| 78/ 77 | | | .0 | .1 | .0 | | | | | | | | | | | | | 5 | 5 | 106 | |
| 76/ 75 | | .0 | .1 | .0 | | | | | | | | | | | | | | 4 | .4 | 375 | 3 |
| 74/ 73 | | .0 | | | | | | | | | | | | | | | | 1 | 1 | 664 | 11 |
| 72/ 71 | | | | | | | | | | | | | | | | | | | | 533 | 36 |
| 70/ 69 | | | | | | | | | | | | | | | | | | | | 324 | 56 |
| 68/ 67 | | | | | | | | | | | | | | | | | | | | 223 | 122 |
| 66/ 65 | | | | | | | | | | | | | | | | | | | | 144 | 190 |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | 70 | 208 |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | 32 | 305 |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | 6 | 246 |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | | 221 |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | | 198 |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | | 145 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | | 112 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | 102 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ref. Hum. | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | JUL MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B. W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | | | | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | 85 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 93 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 74 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 81 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 56 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 47 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 30 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 20 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 11 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 17 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 7 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 5 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 5 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 5 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | | .1 | .2 | .3 | .3 | .4 | .7 | .9 | 1.6 | 2.8 | 3.6 | 5.4 | 8.6 | 10.1 | 11.9 | 11.8 | 41.6 | | 2494 | | 2492 |
| | | | | | | | | | | | | | | | | | | 2493 | | 2493 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 1897754 | 62664 | 25.1 | 11.378 | 2493 | | | | | | | |
| Dry Bulb | 25162784 | 250128 | 100.3 | 5.557 | 2494 | | | 93.0 | 93.0 | 92.6 | 88.4 | 93 |
| Wet Bulb | 12811933 | 178497 | 71.6 | 3.565 | 2493 | | | 83.6 | 43.3 | .1 | | 93 |
| Dew Point | 7986340 | 139046 | 55.8 | 9.567 | 2492 | | 1.9 | 8.5 | .5 | | | 93 |

USAFETAC FORM 0-26-5 (OL A) JUL 84 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | JUL MONTH



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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B. W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | | | | |
| 118/117 | | | | | | | | | | | | | | | | | .2 | 4 | 4 | | |
| 116/115 | | | | | | | | | | | | | | | | | .8 | 20 | 20 | | |
| 114/113 | | | | | | | | | | | | | | | | | 2.0 | 50 | 50 | | |
| 112/111 | | | | | | | | | | | | | | | | | 4.3 | 108 | 108 | | |
| 110/109 | | | | | | | | | | | | | | | .1 | | 8.7 | 220 | 220 | | |
| 108/107 | | | | | | | | | | | | | | .1 | | .3 | 13.6 | 348 | 348 | | |
| 106/105 | | | | | | | | | | | | .0 | | | .5 | 2.4 | 14.8 | 443 | 443 | | |
| 104/103 | | | | | | | | | | | .0 | | .0 | .2 | 2.0 | 4.6 | 10.7 | 441 | 441 | | |
| 102/101 | | | | | | | | | | | .1 | .1 | .3 | 1.8 | 3.3 | 2.8 | 4.8 | 330 | 330 | | |
| 100/ 99 | | | | | | | | | | | .0 | .1 | 1.0 | 1.7 | 1.5 | 1.1 | 1.8 | 182 | 182 | | |
| 98/ 97 | | | | | | | | | | | .2 | .7 | 1.5 | 1.2 | .4 | .2 | .2 | 107 | 107 | | |
| 96/ 95 | | | | | | | | | .0 | .0 | .6 | 1.5 | 1.1 | .4 | .1 | .1 | .1 | 103 | 103 | | |
| 94/ 93 | | | | | | | | | .0 | .4 | .7 | .9 | .2 | .1 | | .0 | | 57 | 57 | | |
| 92/ 91 | | | | | | | | .0 | .2 | .1 | .2 | .0 | .2 | .0 | .0 | | | 20 | 20 | | |
| 90/ 89 | | | | | | | .0 | .2 | .2 | .3 | .1 | .1 | .0 | | | | | 23 | 23 | | |
| 88/ 87 | | | | | | | .1 | .1 | .1 | | .0 | | | | | | | 7 | 7 | | |
| 86/ 85 | | | | | | .0 | .2 | .1 | .1 | | | | | | | | | 11 | 11 | 1 | |
| 84/ 83 | | | | | .0 | .1 | | .1 | | | | | | | | | | 6 | 6 | 2 | |
| 82/ 81 | | | | | .1 | .0 | | | | | | | | | | | | 4 | 4 | 6 | |
| 80/ 79 | | | .0 | .2 | .1 | .0 | | | | | | | | | | | | 6 | 6 | 9 | |
| 78/ 77 | | | .0 | | | | | | | | | | | | | | | 1 | 1 | 72 | 1 |
| 76/ 75 | | .0 | | | | | .0 | | | | | | | | | | | 2 | 2 | 422 | 4 |
| 74/ 73 | | | | | | | | | | | | | | | | | | | | 664 | 12 |
| 72/ 71 | | | | | | | | | | | | | | | | | | | | 577 | 20 |
| 70/ 69 | | | | | | | | | | | | | | | | | | | | 361 | 30 |
| 68/ 67 | | | | | | | | | | | | | | | | | | | | 209 | 54 |
| 66/ 65 | | | | | | | | | | | | | | | | | | | | 104 | 128 |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | 54 | 181 |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | 14 | 243 |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | | 231 |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | | 231 |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | | 250 |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | | 202 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | | 149 |

| 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 | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | JUL MONTH

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

| Temp. (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 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | 124 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | 131 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 104 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 116 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 88 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 46 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 46 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 37 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 19 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 18 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 10 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 3 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 4 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 3 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 4 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 2 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 3 |
| 16/ 13 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | | .0 | .1 | .2 | .2 | .2 | .4 | .5 | .6 | .8 | 2.0 | 3.4 | 4.4 | 5.6 | 7.9 | 11.6 | 62.0 | 2495 | 2495 | 2495 | 2495 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 1378677 | 53237 | 21.3 | 9.865 | 2495 | | | | | | | |
| Dry Bulb | 26900749 | 258711 | 103.7 | 5.467 | 2495 | | | 93.0 | 93.0 | 92.9 | 89.9 | 93 |
| Wet Bulb | 12906346 | 179266 | 71.9 | 3.233 | 2495 | | | 86.6 | 43.6 | .4 | | 93 |
| Dew Point | 7529740 | 135160 | 54.2 | 9.128 | 2495 | | 1.8 | 4.3 | .6 | | | 93 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | JUL MONTH

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

| Temp. (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 |
| 116/115 | | | | | | | | | | | | | | | | | .2 | 5 | 5 | | |
| 114/113 | | | | | | | | | | | | | | | | | .2 | 6 | 6 | | |
| 112/111 | | | | | | | | | | | | | | | | | 1.2 | 30 | 30 | | |
| 110/109 | | | | | | | | | | | | | | | | | 3.1 | 78 | 78 | | |
| 108/107 | | | | | | | | | | | | | | | .0 | .1 | 5.2 | 132 | 132 | | |
| 106/105 | | | | | | | | | | | | | | | .1 | .6 | 9.0 | 243 | 243 | | |
| 104/103 | | | | | | | | | | | | .0 | .1 | .0 | .5 | 2.2 | 9.6 | 312 | 312 | | |
| 102/101 | | | | | | | | | | | | | .1 | .7 | 2.9 | 3.6 | 6.8 | 351 | 351 | | |
| 100/ 99 | | | | | | | | | | | | .0 | .9 | 2.6 | 2.9 | 2.9 | 4.4 | 340 | 340 | | |
| 98/ 97 | | | | | | | | | | .0 | .1 | .4 | 1.8 | 3.1 | 2.1 | 1.4 | 2.0 | 274 | 274 | | |
| 96/ 95 | | | | | | | | | | .1 | .8 | 1.7 | 2.8 | 1.8 | .8 | .8 | .7 | 235 | 235 | | |
| 94/ 93 | | | | | | | .0 | .0 | .0 | .3 | 1.3 | 1.5 | 1.4 | .5 | .2 | .4 | .4 | 152 | 152 | | |
| 92/ 91 | | | | | | | | .1 | .2 | .m | 1.6 | .7 | .3 | .2 | .3 | .2 | .2 | 115 | 115 | | |
| 90/ 89 | | | | | | | .1 | .3 | .6 | 1.3 | .6 | .2 | .1 | | .1 | .0 | .0 | 82 | 82 | | |
| 88/ 87 | | | | | | .1 | .3 | .3 | .6 | .4 | .1 | .0 | | | | | | 44 | 44 | | |
| 86/ 85 | | | | | | .0 | .3 | .2 | .5 | .0 | | | | | | | | 27 | 27 | | |
| 84/ 83 | | | | .0 | .0 | .0 | .2 | .1 | .1 | | | | | | | | | 14 | 14 | | |
| 82/ 81 | | | | .0 | .1 | .2 | .3 | .1 | .0 | | | | | | | | | 18 | 18 | 3 | |
| 80/ 79 | | | .2 | .2 | | .1 | .0 | .0 | | | | | | | | | | 13 | 13 | 6 | |
| 78/ 77 | | | .2 | | | .0 | | | | | | | | | | | | 6 | 6 | 37 | 1 |
| 76/ 75 | | | .1 | .1 | | | | | | | | | | | | | | 6 | 6 | 200 | 5 |
| 74/ 73 | | .1 | | | .0 | | | | | | | | | | | | | 3 | 3 | 584 | 11 |
| 72/ 71 | .0 | .1 | | | | | | | | | | | | | | | | 3 | 3 | 689 | 31 |
| 70/ 69 | | | | | | | | | | | | | | | | | | | | 460 | 39 |
| 68/ 67 | | | | | | | | | | | | | | | | | | | | 268 | 65 |
| 66/ 65 | | | | | | | | | | | | | | | | | | | | 134 | 151 |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | 64 | 184 |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | 36 | 216 |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | 5 | 264 |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | 3 | 244 |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | | 237 |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | | 191 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | | 154 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | 157 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | JUL MONTH

PAGE 2 | 1800-2000 HOURS (L. S. T.)

| Temp (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 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | 118 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 104 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 86 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 77 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 49 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 27 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 29 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 7 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 15 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 13 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 3 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 3 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 1 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 2 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 2 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 1 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | .0 | .2 | .5 | .4 | .2 | .4 | 1.2 | 1.1 | 2.2 | 2.9 | 4.5 | 4.6 | 7.5 | 8.8 | 9.9 | 12.3 | 43.1 | 2489 | 2489 | 2489 | 2488 |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel Hum | 1977493 | 63019 | 25.3 | 12.390 | 2489 | | | | | | | |
| Dry Bulb | 24645739 | 247169 | 99.3 | 6.363 | 2489 | | | 93.0 | 92.9 | 92.1 | 80.6 | 93 |
| Wet Bulb | 12539923 | 176487 | 70.9 | 3.220 | 2489 | | | 44.0 | 31.0 | .2 | | 93 |
| Dew Point | 7722111 | 136873 | 55.0 | 8.793 | 2488 | | 1.3 | 5.7 | .6 | | | 93 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
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AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-72 YEARS | JUL MONTH

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

| Temp. (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 |
| 108/107 | | | | | | | | | | | | | | | | | .0 | 1 | 1 | | |
| 106/105 | | | | | | | | | | | | | | | | | .2 | 6 | 6 | | |
| 104/103 | | | | | | | | | | | | | | .0 | | .1 | .4 | 13 | 13 | | |
| 102/101 | | | | | | | | | | | | | | .0 | .3 | .7 | 1.2 | 55 | 55 | | |
| 100/ 99 | | | | | | | | | | | | | | .3 | 1.3 | 1.4 | 1.9 | 122 | 122 | | |
| 98/ 97 | | | | | | | | | | | | .2 | .7 | 1.9 | 2.6 | 1.9 | 1.9 | 230 | 230 | | |
| 96/ 95 | | | | | | | | | .0 | | .2 | 1.5 | 2.5 | 3.4 | 2.4 | 1.6 | 1.6 | 332 | 332 | | |
| 94/ 93 | | | | | | | | | | .2 | 1.0 | 3.8 | 3.9 | 2.5 | 2.1 | 1.0 | 1.4 | 400 | 400 | | |
| 92/ 91 | | | | | | | | | .4 | .9 | 3.3 | 3.4 | 2.0 | 1.8 | 1.1 | .8 | .7 | 359 | 359 | | |
| 90/ 89 | | | | | | | .0 | .2 | 1.0 | 3.0 | 3.4 | 1.6 | 1.3 | 1.0 | .9 | .5 | .4 | 331 | 331 | | |
| 88/ 87 | | | | | | .1 | .4 | .7 | 2.0 | 1.6 | .8 | .6 | .6 | .5 | .5 | .3 | .2 | 212 | 212 | | |
| 86/ 85 | | | | | .1 | .4 | .4 | 1.3 | 1.6 | .6 | .2 | .4 | .3 | .4 | .2 | .2 | .0 | 152 | 152 | | |
| 84/ 83 | | | | | .2 | .8 | 1.2 | .6 | .4 | .1 | .1 | .2 | .2 | .3 | .1 | .0 | | 106 | 106 | | |
| 82/ 81 | | | | .1 | .2 | .5 | .4 | .2 | .1 | .1 | .0 | .1 | | .1 | .0 | | | 52 | 52 | | |
| 80/ 79 | | .0 | .1 | .4 | .3 | .5 | .3 | .0 | | | .0 | | .0 | .0 | | | | 48 | 48 | 1 | |
| 78/ 77 | | | .4 | .5 | .3 | .1 | | | .0 | .0 | .0 | | | | | | | 40 | 40 | 10 | |
| 76/ 75 | | .2 | .4 | .2 | .1 | | | | .0 | | | | | | | | | 23 | 23 | 85 | 3 |
| 74/ 73 | | .2 | .2 | | | | | | | | | | | | | | | 9 | 9 | 300 | 20 |
| 72/ 71 | | .1 | .0 | | | | | | | | | | | | | | | 4 | 4 | 653 | 61 |
| 70/ 69 | | .0 | | | | | | | | | | | | | | | | 1 | 1 | 567 | 78 |
| 68/ 67 | | | | | | | | | | | | | | | | | | | | 305 | 116 |
| 66/ 65 | | | | | | | | | | | | | | | | | | | | 233 | 153 |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | 132 | 226 |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | 98 | 257 |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | 69 | 235 |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | 30 | 228 |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | 11 | 202 |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 2 | 164 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | | 115 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | 117 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | 113 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 76 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 67 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 51 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
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# PSYCHROMETRIC SUMMARY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (YEARS) JUL (MONTH)

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

| Temp. (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 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 60 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 32 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 31 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 28 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 16 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 17 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 9 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 9 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 1 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 6 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 1 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 1 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | | .6 | 1.2 | 1.2 | 1.6 | 2.4 | 2.7 | 3.1 | 5.6 | 6.5 | 9.1 | 11.8 | 11.6 | 12.3 | 11.6 | 8.6 | 10.0 | | 2496 | | 2495 |
| | | | | | | | | | | | | | | | | | | 2496 | | 2496 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 3355589 | 82931 | 33.2 | 15.510 | 2496 | | | | | | | |
| Dry Bulb | 20935604 | 228164 | 91.4 | 5.617 | 2496 | | | 93.0 | 92.8 | 89.4 | 43.2 | 93 |
| Wet Bulb | 11922899 | 172221 | 69.0 | 3.997 | 2496 | | | 71.6 | 14.6 | .0 | | 93 |
| Dew Point | 8034372 | 139454 | 55.9 | 7.800 | 2495 | | 2.3 | 10.4 | .9 | | | 93 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) AUG (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 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 | TOTAL D.B. W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100/ 99 | | | | | | | | | | | | | | | | .0 | | 1 | 1 | | |
| 98/ 97 | | | | | | | | | | | | | | .0 | | .0 | | 2 | 2 | | |
| 96/ 95 | | | | | | | | | | | | .2 | .3 | .2 | .2 | | | 22 | 22 | | |
| 94/ 93 | | | | | | | | | | .0 | .5 | .7 | .6 | .5 | .1 | .0 | | 58 | 58 | | |
| 92/ 91 | | | | | | | | | .1 | .4 | 1.6 | 1.5 | 1.0 | .4 | .0 | | .0 | 121 | 121 | | |
| 90/ 89 | | | | | | | | .1 | 1.6 | 1.9 | 2.2 | 1.7 | .9 | .2 | .1 | | .1 | 211 | 211 | | |
| 88/ 87 | | | | | | .0 | .2 | 1.3 | 3.6 | 3.4 | 2.4 | .8 | .2 | .3 | .2 | | | 297 | 297 | | |
| 86/ 85 | | | | | | .4 | 1.5 | 3.4 | 3.9 | 2.9 | 1.9 | .7 | .2 | .3 | .0 | | | 369 | 369 | | |
| 84/ 83 | | | | .2 | .5 | 1.8 | 2.3 | 3.5 | 2.5 | 1.4 | .9 | .7 | .3 | .4 | | | | 353 | 353 | | |
| 82/ 81 | | | | .4 | 1.6 | 2.2 | 3.3 | 1.8 | 1.0 | .7 | .9 | .2 | .4 | .2 | | | | 301 | 301 | | |
| 80/ 79 | | | .5 | 1.5 | 2.8 | 2.2 | 1.1 | .9 | .4 | .3 | .7 | .3 | .1 | .0 | | | | 265 | 265 | | |
| 78/ 77 | | .2 | 1.1 | 1.7 | 1.8 | .7 | .6 | .1 | .4 | .3 | .4 | .2 | | | | | | 181 | 181 | 11 | |
| 76/ 75 | | .4 | 1.2 | 1.5 | .3 | .4 | .1 | .2 | .3 | .3 | .2 | .1 | .0 | | | | | 121 | 121 | 82 | 12 |
| 74/ 73 | .1 | .3 | .6 | .3 | .1 | .0 | .1 | .0 | .2 | .2 | .2 | .0 | | | | | | 56 | 56 | 347 | 44 |
| 72/ 71 | | .2 | .2 | .2 | .0 | | .1 | .1 | .2 | .1 | .1 | .0 | | | | | | 29 | 29 | 583 | 120 |
| 70/ 69 | .1 | .4 | .1 | | | | | .1 | | | | | | | | | | 16 | 16 | 573 | 215 |
| 68/ 67 | | .2 | | | | | .0 | .0 | | | .1 | | | | | | | 9 | 9 | 331 | 271 |
| 66/ 65 | | | | | | | .0 | .0 | | | | | | | | | | 2 | 2 | 174 | 315 |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | 79 | 284 |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | 81 | 239 |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | 62 | 209 |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | 47 | 162 |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | 30 | 118 |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 8 | 98 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 3 | 66 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | 1 | 53 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 2 | 45 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 37 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 33 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 25 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 18 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 17 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 8 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 10 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | AUG MONTH

PAGE 2 | 0000-0200 HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 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 | TOTAL D.B. W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 3 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 8 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 2 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 1 |
| ~~0/ -1~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| TOTAL | ,2 | 1,7 | 3,6 | 5,8 | 6,8 | 7,7 | 9,4 | 11,3 | 14,3 | 12,6 | 12,0 | 7,1 | 4,2 | 2,6 | ,6 | ,1 | ,1 | | 2414 | | 2414 |
| | | | | | | | | | | | | | | | | | | 2414 | | 2414 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | 6619774 | 119670 | 49,6 | 16,877 | 2414 | | | | | | | |
| Dry Bulb | 16905564 | 201620 | 83,5 | 5,231 | 2414 | | | 92,9 | 90,8 | 73,0 | 3,2 | 93 |
| Wet Bulb | 11546669 | 166623 | 69,0 | +,354 | 2414 | | | 74,2 | 17,0 | | | 93 |
| Dew Point | 9183887 | 147548 | 61,1 | 8,297 | 2414 | | ,6 | 25,5 | 2,2 | | | 93 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | AUG MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 | | | | | | | | | | | | | | | .0 | | | 1 | 1 | | |
| 94/ 93 | | | | | | | | | | | | .0 | | | | | | 1 | 1 | | |
| 92/ 91 | | | | | | | | | | .0 | .2 | .2 | .2 | .1 | | | .0 | 19 | 19 | | |
| 90/ 89 | | | | | | | | | .2 | .6 | .7 | .3 | .2 | .0 | | | | 51 | 51 | | |
| 88/ 87 | | | | | | | .3 | .4 | 1.9 | 1.5 | .9 | .7 | .2 | .0 | .0 | | | 143 | 143 | | |
| 86/ 85 | | | | | | .1 | 1.2 | 2.3 | 3.0 | 2.0 | 1.1 | .7 | .2 | .0 | .0 | | | 251 | 251 | | |
| 84/ 83 | | | | | .1 | 1.4 | 2.9 | 3.9 | 3.1 | 1.1 | .5 | .2 | .2 | .0 | .1 | | | 334 | 334 | | |
| 82/ 81 | | | | .2 | 1.4 | 3.3 | 4.2 | 3.2 | 1.3 | .6 | .3 | .2 | .1 | .0 | | | | 369 | 369 | | |
| 80/ 79 | | | .5 | 1.3 | 3.0 | 3.5 | 2.7 | 1.8 | .9 | .3 | .2 | .2 | .0 | | | | | 366 | 366 | | |
| 78/ 77 | | .2 | 1.4 | 3.2 | 2.9 | 1.9 | 1.5 | .9 | .3 | .4 | .2 | .2 | .1 | | | | | 336 | 336 | 3 | |
| 76/ 75 | | .6 | 2.0 | 2.2 | 1.3 | 1.1 | .8 | .5 | .2 | .2 | .2 | .2 | | | | | | 256 | 257 | 50 | 7 |
| 74/ 73 | .2 | .4 | 1.4 | .9 | .3 | .2 | .2 | .1 | .1 | .1 | .2 | | | | | | | 143 | 143 | 287 | 53 |
| 72/ 71 | | .2 | .3 | .2 | .1 | | .2 | .1 | .1 | .2 | .0 | | | | | | | 49 | 49 | 526 | 122 |
| 70/ 69 | .1 | .2 | .2 | .1 | .0 | .0 | .2 | .1 | .1 | .1 | .1 | | | | | | | 41 | 41 | 576 | 243 |
| 68/ 67 | .1 | .2 | .1 | | | .1 | .1 | .2 | .1 | | .0 | | | | | | | 22 | 22 | 349 | 321 |
| 66/ 65 | | .1 | | | | .1 | .2 | .2 | .0 | | | | | | | | | 17 | 17 | 226 | 325 |
| 64/ 63 | | | | | | .1 | .1 | .1 | | .1 | | | | | | | | 10 | 10 | 94 | 268 |
| 62/ 61 | | | | | | | .0 | | | | | | | | | | | 1 | 1 | 74 | 262 |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | 68 | 191 |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | 57 | 119 |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | 51 | 92 |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 32 | 88 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 11 | 62 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | 3 | 45 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 1 | 36 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | 2 | 41 |
| 44/ 48 | | | | | | | | | | | | | | | | | | | | | 95 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 35 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 21 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 14 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 14 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 3 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 7 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 1 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 (STATION) | LUKE AFB ARIZONA/PHOENIX (STATION NAME) | 42-46,51-71 (YEARS) | AUG (MONTH)

PAGE 2 | 0300-0500 HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 2 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 2 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | .4 | 2.0 | 5.8 | 8.2 | 10.0 | 12.5 | 15.1 | 14.8 | 13.2 | 8.2 | 5.0 | 3.2 | 1.2 | .2 | .2 | | .0 | | 2411 | | 2410 |
| | | | | | | | | | | | | | | | | | | 2410 | | 2410 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 8089934 | 133960 | 55.6 | 16.311 | 2409 | | | | | | | |
| Dry Bulb | 15529378 | 193130 | 80.1 | 4.946 | 2411 | | | 91.9 | 87.6 | 53.2 | .1 | 93 |
| Wet Bulb | 11266271 | 164365 | 68.2 | 4.842 | 2410 | | | 69.1 | 12.1 | | | 93 |
| Dew Point | 9311884 | 148472 | 61.6 | 8.277 | 2410 | | .2 | 28.8 | 2.3 | | | 93 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46;51-71 YEARS | AUG MONTH

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

| Temp. (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 |
| 96/ 95 | | | | | | | | | | | | .0 | | .0 | | | | 2 | 2 | | |
| 94/ 93 | | | | | | | | | | .0 | .0 | .1 | .1 | .1 | | | | 9 | 9 | | |
| 92/ 91 | | | | | | | | | .1 | .3 | .2 | .0 | .1 | | .1 | | | 33 | 33 | | |
| 90/ 89 | | | | | | | | .2 | .4 | 1.0 | 1.4 | .4 | .2 | | .1 | | | 90 | 90 | | |
| 88/ 87 | | | | | | .0 | .4 | 1.7 | 2.6 | 1.7 | .9 | .6 | .3 | .2 | | | | 200 | 200 | | |
| 86/ 85 | | | | | .0 | .3 | 2.0 | 3.2 | 2.9 | 1.9 | 1.1 | .1 | .1 | .1 | | | | 286 | 286 | | |
| 84/ 83 | | | | .0 | .4 | 2.2 | 3.5 | 3.7 | 2.2 | 1.3 | .8 | .3 | .1 | .0 | | | | 356 | 356 | | |
| 82/ 81 | | | .1 | .3 | 1.5 | 4.1 | 3.9 | 2.7 | 1.3 | .4 | .3 | .1 | .1 | | | | | 378 | 378 | | |
| 80/ 79 | | | .4 | 1.8 | 2.7 | 2.7 | 2.7 | 1.3 | .8 | .0 | .3 | .2 | .1 | | | | | 327 | 327 | | |
| 78/ 77 | | .2 | 1.2 | 2.8 | 3.1 | 1.5 | 1.2 | .9 | .8 | .4 | .3 | .2 | .1 | | | | | 309 | 309 | 7 | |
| 76/ 75 | | .4 | 2.0 | 1.6 | 1.2 | .7 | .8 | .2 | .7 | .3 | .2 | .0 | | | | | | 203 | 203 | 94 | 8 |
| 74/ 73 | | .3 | 1.0 | .7 | .3 | .2 | .4 | .2 | .2 | .3 | .0 | .1 | | | | | | 99 | 99 | 355 | 45 |
| 72/ 71 | .0 | .3 | .1 | .2 | .0 | .1 | .3 | .4 | .3 | .1 | | | | | | | | 48 | 48 | 587 | 197 |
| 70/ 69 | | .1 | .2 | | | .0 | .3 | .3 | .4 | .1 | | | | | | | | 35 | 35 | 516 | 275 |
| 68/ 67 | .0 | .1 | | | | .0 | .1 | .1 | | | .0 | | .0 | | | | | 12 | 12 | 304 | 333 |
| 66/ 65 | | .1 | | | | .0 | .1 | .1 | .1 | .0 | | | | | | | | 12 | 12 | 189 | 334 |
| 64/ 63 | | | | | .0 | .1 | .1 | | | | | | | | | | | 5 | 5 | 109 | 288 |
| 62/ 61 | | | | | | .0 | .0 | .0 | | .0 | | | | | | | | 4 | 4 | 68 | 228 |
| 60/ 59 | | | | | | | .0 | | | | | | | | | | | 1 | 1 | 69 | 192 |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | 38 | 109 |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | 39 | 87 |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 18 | 63 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 7 | 37 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | 3 | 61 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 4 | 34 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | 1 | 32 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 1 | 26 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 30 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 19 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 7 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 11 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 6 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 2 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 1 |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | 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 | | | | | | | | | | | | |

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46;51-71 YEARS | AUG MONTH

PAGE 2 | 0600-0800 HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| 28/ 25 | | | | | | | | | | | | | | | | | | | | | 1 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 1 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 1 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | .1 | 1.5 | 5.0 | 7.8 | 9.6 | 12.2 | 15.9 | 15.6 | 12.6 | 8.7 | 5.9 | 3.2 | 1.2 | .4 | .2 | | | 2409 | 2410 | 2409 | 2409 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 7856274 | 132400 | 55.0 | 15.513 | 2409 | | | | | | | |
| Dry Bulb | 15894430 | 195338 | 81.1 | 5.060 | 2410 | | | 92.2 | 88.4 | 59.5 | .4 | 93 |
| Wet Bulb | 11470237 | 165837 | 68.8 | 4.732 | 2409 | | | 71.9 | 17.6 | | | 93 |
| Dew Point | 9491155 | 149983 | 62.3 | 7.979 | 2409 | | .3 | 31.9 | 2.0 | | | 93 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
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AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | AUG MONTH

PAGE 1 | 1900-1100 HOURS (L. S. T.)

| Temp. (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 |
| 106/105 | | | | | | | | | | | | | | | | | ,1 | 3 | 3 | | |
| 104/103 | | | | | | | | | | | | | | | | ,0 | ,2 | 8 | 8 | | |
| 102/101 | | | | | | | | | | | | | ,0 | ,2 | ,4 | ,3 | ,6 | 39 | 39 | | |
| 100/ 99 | | | | | | | | | | | | | ,4 | ,9 | ,8 | ,9 | ,7 | 85 | 85 | | |
| 98/ 97 | | | | | | | | | ,0 | ,3 | ,0 | ,8 | 1,9 | 2,3 | ,9 | ,6 | ,5 | 172 | 172 | | |
| 96/ 95 | | | | | | | | | | ,3 | 1,7 | 2,9 | 2,9 | 1,4 | ,8 | ,3 | ,2 | 259 | 259 | | |
| 94/ 93 | | | | | | | | ,1 | ,3 | 1,8 | 4,5 | 3,8 | 2,2 | 1,2 | ,6 | ,3 | ,2 | 364 | 364 | | |
| 92/ 91 | | | | | | | ,1 | ,2 | 1,4 | 3,2 | 4,4 | 2,9 | ,9 | ,9 | ,2 | ,1 | | 350 | 350 | | |
| 90/ 89 | | | | | | ,2 | 1,2 | 1,2 | 4,0 | 4,0 | 2,6 | 1,4 | ,9 | ,7 | ,2 | ,2 | ,0 | 371 | 371 | | |
| 88/ 87 | | | | | | ,3 | 1,0 | 2,6 | 2,8 | 1,8 | ,8 | ,7 | ,5 | ,2 | ,1 | ,1 | | 261 | 261 | | |
| 86/ 85 | | | | | 0 | ,7 | 2,2 | 2,8 | 1,1 | ,4 | ,3 | ,3 | ,2 | ,1 | ,2 | | | 204 | 204 | | |
| 84/ 83 | | | | ,0 | ,2 | 1,4 | 1,0 | ,8 | ,3 | ,0 | ,2 | ,2 | ,2 | ,2 | | | | 114 | 114 | | |
| 82/ 81 | | | | ,0 | ,1 | ,9 | ,5 | ,3 | ,0 | ,1 | ,2 | ,1 | ,1 | | | | | 83 | 83 | | |
| 80/ 79 | | | ,0 | ,5 | ,2 | ,5 | ,2 | ,1 | | ,0 | ,0 | ,0 | | ,1 | | | | 53 | 53 | ,7 | |
| 78/ 77 | | | ,1 | ,2 | ,2 | ,0 | | | ,0 | | | ,1 | | | | | | 16 | 16 | 69 | |
| 76/ 75 | | ,1 | ,1 | ,2 | | ,0 | | | | | | | | | | | | 13 | 13 | 339 | 7 |
| 74/ 73 | | ,1 | ,0 | ,0 | | | | | | | | | | | | | | 13 | 13 | 685 | 32 |
| 72/ 71 | ,0 | ,1 | ,0 | | | | | | | | | | | | | | | 4 | 4 | 602 | 123 |
| 70/ 69 | ,0 | ,0 | | | | | | | | | | | | | | | | 2 | 2 | 342 | 233 |
| 68/ 67 | | | | | | | | | | | | | | | | | | | | 155 | 284 |
| 66/ 65 | | | | | | | | | | | | | | | | | | | | 108 | 360 |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | 52 | 314 |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | 36 | 267 |
| 60/ 59 | | | | | | | | | | ,0 | | | | | | | | 1 | 1 | 17 | 209 |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | 11 | 126 |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | 1 | 102 |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | | 79 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 1 | 68 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | 59 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | 49 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 22 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 17 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 8 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 26 |

| 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 | | | | | | | | | | | | |

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

DATA PROCESSING BRANCH
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AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

22111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) AUG (MONTH)

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

| Temp. (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 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 10 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 3 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 7 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 6 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 2 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 1 |
| ~~16/ 9~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| TOTAL | .1 | .7 | .3 | 1.1 | 2.3 | 3.9 | 5.3 | 8.1 | 10.1 | 11.8 | 14.9 | 13.2 | 10.2 | 8.2 | 4.0 | 3.1 | 2.8 | | 2415 | | 2415 |
| | | | | | | | | | | | | | | | | | | 2415 | | 2415 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 4465055 | 98171 | 40.7 | 14.018 | 2415 | | | | | | | |
| Dry Bulb | 19897968 | 218822 | 90.6 | 5.408 | 2415 | | | 93.0 | 92.7 | 90.5 | 35.8 | 93 |
| Wet Bulb | 12382313 | 172711 | 71.5 | 3.568 | 2415 | | | 84.5 | 42.1 | | | 93 |
| Dew Point | 9369963 | 149325 | 61.8 | 7.529 | 2415 | | .4 | 26.1 | 1.5 | | | 93 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
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AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) AUG (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 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 | TOTAL D.B. W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 114/113 | | | | | | | | | | | | | | | | | ,0 | 1 | 1 | | |
| 112/111 | | | | | | | | | | | | | | | | | ,2 | 4 | 4 | | |
| 110/109 | | | | | | | | | | | | | | | | | ,5 | 11 | 11 | | |
| 108/107 | | | | | | | | | | | | | | | | | 2,3 | 56 | 56 | | |
| 106/105 | | | | | | | | | | | | | | ,0 | ,3 | 1,2 | 4,0 | 132 | 132 | | |
| 104/103 | | | | | | | | | | | | | | ,4 | 1,7 | 2,3 | 4,2 | 212 | 212 | | |
| 102/101 | | | | | | | | | | | | ,0 | ,6 | 2,1 | 3,6 | 2,7 | 3,1 | 296 | 297 | | |
| 100/ 99 | | | | | | | | | | ,0 | | 1,3 | 2,9 | 4,6 | 3,9 | 2,0 | 1,8 | 401 | 402 | | |
| 98/ 97 | | | | | | | | | | | ,6 | 2,1 | 4,8 | 4,2 | 1,7 | ,5 | 1,0 | 366 | 366 | | |
| 96/ 95 | | | | | | | | | ,0 | ,6 | 2,6 | 3,9 | 3,0 | 1,1 | 1,0 | ,5 | ,7 | 322 | 322 | | |
| 94/ 93 | | | | | | | | | ,6 | 1,1 | 2,4 | 2,0 | ,8 | ,6 | ,3 | ,3 | ,2 | 203 | 203 | | |
| 92/ 91 | | | | | | | | ,1 | 1,1 | 1,5 | 1,7 | ,7 | ,2 | ,2 | ,2 | ,1 | ,2 | 150 | 150 | | |
| 90/ 89 | | | | | | | ,1 | ,6 | 1,6 | 1,2 | ,3 | ,2 | ,0 | ,0 | ,0 | ,1 | | 108 | 108 | | |
| 88/ 87 | | | | | | ,0 | ,4 | ,5 | ,9 | ,4 | ,1 | | | ,0 | ,0 | | | 58 | 58 | | |
| 86/ 85 | | | | | | ,2 | ,5 | ,4 | ,2 | | | | | | | | | 30 | 30 | | |
| 84/ 83 | | | | | ,2 | ,4 | ,0 | ,1 | ,0 | | | | | | | | | 20 | 20 | | |
| 82/ 81 | | | | ,0 | ,2 | ,2 | ,2 | | | | | | | | | | | 15 | 15 | 1 | |
| 80/ 79 | | | | ,1 | ,1 | ,1 | ,0 | | | | | | | | | | | 8 | 8 | 13 | |
| 78/ 77 | | | ,2 | ,1 | ,1 | | | | | | | | | | | | | 12 | 12 | 161 | |
| 76/ 75 | | | ,1 | | | | | | | | | | | | | | | 2 | 2 | 521 | 1 |
| 74/ 73 | | ,0 | ,0 | | | | | | | | | | | | | | | 2 | 2 | 739 | 14 |
| 72/ 71 | | ,0 | | | | | | | | | | | | | | | | 1 | 1 | 507 | 71 |
| 70/ 69 | ,0 | ,1 | | | ,0 | | | | | | | | | | | | | 4 | 4 | 218 | 151 |
| 68/ 67 | | | | | | | | | | | | | | | | | | | | 136 | 208 |
| 66/ 65 | | | | | | | | | | | | | | | | | | | | 59 | 292 |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | 39 | 316 |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | 12 | 329 |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | 8 | 254 |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | | 182 |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | | 192 |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | | 115 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | | 85 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | 53 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | 52 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | AUG MONTH

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

| Temp. (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 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 37 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 37 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 24 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 15 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 11 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 13 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 11 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 5 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 4 |
| 28/ 25 | | | | | | | | | | | | | | | | | | | | | 1 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | .0 | .2 | .4 | .2 | .8 | .9 | 1.2 | 2.0 | 4.4 | 4.9 | 8.0 | 10.2 | 12.5 | 13.4 | 12.9 | 9.9 | 18.1 | | 2416 | | 2414 |
| | | | | | | | | | | | | | | | | | | 2414 | | 2414 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 2723126 | 75708 | 31.4 | 12.022 | 2414 | | | | | | | |
| Dry Bulb | 23010340 | 235382 | 97.4 | 5.681 | 2416 | | | 93.0 | 92.8 | 92.1 | 77.2 | 93 |
| Wet Bulb | 12763923 | 175369 | 72.6 | 3.151 | 2414 | | | 88.5 | 55.3 | .0 | | 93 |
| Dew Point | 8873312 | 145176 | 60.1 | 7.686 | 2414 | | .4 | 17.1 | .6 | | | 93 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREV. 125 EDITIONS OF THIS FORM ARE OBSOLETE

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# PSYCHROMETRIC SUMMARY

23111 — STATION
LUKE AFB ARIZONA/PHOENIX — STATION NAME
42-46,51-71 — YEARS
AUG — MONTH

PAGE 1
1500-1700 — HOURS (L. S. T.)

| Temp. (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 |
| 120/115 | | | | | | | | | | | | | | | | | .1 | | 2 | 2 | | |
| 114/113 | | | | | | | | | | | | | | | | | .2 | | 4 | 4 | | |
| 112/111 | | | | | | | | | | | | | | | | | .7 | | 16 | 16 | | |
| 110/109 | | | | | | | | | | | | | | | | | 3.6 | | 87 | 87 | | |
| 108/107 | | | | | | | | | | | | | | | | .4 | 6.6 | | 168 | 168 | | |
| 106/105 | | | | | | | | | | | | | | .0 | .5 | 2.0 | 9.0 | | 280 | 280 | | |
| 104/103 | | | | | | | | | | | | | .0 | .9 | 2.5 | 4.9 | 7.9 | | 392 | 392 | | |
| 102/101 | | | | | | | | | | .0 | | .1 | .7 | 3.0 | 4.2 | 4.6 | 3.8 | | 395 | 395 | | |
| 100/ 99 | | | | | | | | | | | | .6 | 2.2 | 3.7 | 3.7 | 1.8 | 1.9 | | 337 | 337 | | |
| 98/ 97 | | | | | | | | | | | .5 | 1.3 | 2.9 | 2.8 | 1.6 | .4 | 1.0 | | 252 | 252 | | |
| 96/ 95 | | | | | | | | | | .4 | 1.4 | 1.8 | 1.7 | .5 | .7 | .2 | .3 | | 174 | 174 | | |
| 94/ 93 | | | | | | | | | .2 | .7 | 1.2 | 1.2 | .4 | .2 | .1 | | .2 | | 105 | 105 | | |
| 92/ 91 | | | | | | | | .1 | .4 | .5 | 1.2 | .2 | .0 | | | | | | 59 | 59 | | |
| 90/ 89 | | | | | | | .1 | .2 | .3 | .6 | .2 | .2 | | | | | | | 54 | 54 | | |
| 88/ 87 | | | | | | | .3 | .4 | .2 | .1 | | | | | | | | | 24 | 24 | | |
| 86/ 85 | | | | | | .1 | .3 | .2 | .1 | | | | | | | | | | 19 | 19 | | |
| 84/ 83 | | | | | .0 | .1 | .2 | .1 | .0 | | | | | | | | | | 13 | 13 | 1 | | |
| 82/ 81 | | | | .1 | .2 | .1 | .1 | | | | | | | | | | | | 12 | 12 | | | |
| 80/ 79 | | | | .1 | .2 | .0 | | | | | | | | | | | | | 10 | 10 | 8 | 1 | |
| 78/ 77 | | | .1 | | .0 | | | | | | | | | | | | | | 4 | 4 | 154 | | |
| 76/ 75 | | | .1 | .0 | | | | | | | | | | | | | | | 3 | 3 | 467 | | |
| 74/ 73 | | | | | | | | | | | | | | | | | | | | | 735 | 8 | |
| 72/ 71 | | .0 | | | | | | | | | | | | | | | | | 1 | 1 | 564 | 34 | |
| 70/ 69 | .0 | .1 | | | | | | | | | | | | | | | | | 3 | 3 | 253 | 82 | |
| 68/ 67 | | | | | | | | | | | | | | | | | | | | | 128 | 143 | |
| 66/ 65 | | | | | | | | | | | | | | | | | | | | | 70 | 220 | |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | | 24 | 260 | |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | | 11 | 307 | |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | | 1 | 279 | |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | | | 261 | |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | | | 208 | |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | | | 143 | |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | | | 122 | |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | | 69 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | AUG MONTH

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

| Temp. (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 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | 67 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 55 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 44 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 32 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 15 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 22 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 17 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 15 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 9 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 1 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 1 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | .0 | .1 | .2 | .2 | .5 | .4 | 1.1 | 1.1 | 1.8 | 2.4 | 4.5 | 5.4 | 7.9 | 11.1 | 13.4 | 14.3 | 35.5 | 2416 | 2416 | 2416 | 2416 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | > 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 2043241 | 64863 | 26.8 | 11.180 | 2416 | | | | | | | |
| Dry Bulb | 24453087 | 242659 | 100.4 | 5.785 | 2416 | | | 93.0 | 92.8 | 92.4 | 85.2 | 93 |
| Wet Bulb | 12752040 | 175374 | 72.6 | 3.011 | 2416 | | | 88.9 | 52.5 | .1 | | 93 |
| Dew Point | 8325537 | 140577 | 58.2 | 7.774 | 2416 | | .5 | 10.3 | .3 | | | 93 |

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

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AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 — STATION
LUKE AFB ARIZONA/PHOENIX — STATION NAME
42-46,51-71 — YEARS
AUG — MONTH

PAGE 1
1800-2000 — HOURS (L. S. T.)

| Temp. (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 |
| 114/113 | | | | | | | | | | | | | | | | | ,0 | 1 | 1 | | |
| 112/111 | | | | | | | | | | | | | | | | | ,1 | 2 | 2 | | |
| 110/109 | | | | | | | | | | | | | | | | | ,6 | 14 | 14 | | |
| 108/107 | | | | | | | | | | | | | | | | | 1,5 | 36 | 36 | | |
| 106/105 | | | | | | | | | | | | | | | ,0 | ,4 | 2,8 | 78 | 78 | | |
| 104/103 | | | | | | | | | | | | | | ,2 | ,7 | 1,7 | 4,1 | 161 | 161 | | |
| 102/101 | | | | | | | | | | | | | ,1 | ,8 | 2,2 | 2,9 | 2,8 | 213 | 213 | | |
| 100/ 99 | | | | | | | | | | | ,0 | ,1 | 1,3 | 2,9 | 4,3 | 2,3 | 1,7 | 306 | 306 | | |
| 98/ 97 | | | | | | | | | | | ,2 | ,9 | 3,1 | 3,4 | 3,1 | 1,3 | 1,0 | 315 | 315 | | |
| 96/ 95 | | | | | | | | | | ,1 | 1,0 | 3,1 | 3,9 | 2,5 | 1,3 | ,8 | ,7 | 338 | 338 | | |
| 94/ 93 | | | | | | | | | ,3 | ,9 | 1,5 | 2,9 | 1,6 | ,9 | ,5 | ,4 | ,2 | 223 | 223 | | |
| 92/ 91 | | | | | | | ,0 | ,1 | ,9 | 1,7 | 2,6 | 1,7 | ,9 | ,5 | ,4 | ,4 | ,1 | 222 | 223 | | |
| 90/ 89 | | | | | | ,0 | ,2 | ,6 | 1,3 | 2,2 | 1,4 | ,5 | ,3 | ,2 | ,3 | ,1 | | 169 | 169 | | |
| 88/ 87 | | | | | | ,2 | ,4 | 1,4 | 1,1 | ,9 | ,5 | ,2 | ,1 | ,2 | ,2 | ,1 | | 124 | 124 | | |
| 86/ 85 | | | | | | ,3 | ,5 | ,9 | ,4 | ,1 | ,1 | ,1 | ,0 | ,0 | | | | 62 | 62 | | |
| 84/ 83 | | | | | ,2 | ,6 | ,4 | ,4 | ,2 | ,0 | ,1 | ,0 | ,0 | ,0 | | | | 51 | 51 | | |
| 82/ 81 | | | | ,0 | ,3 | ,5 | ,4 | ,2 | ,1 | | | ,0 | | ,0 | | | | 44 | 44 | | |
| 80/ 79 | | | ,1 | ,3 | ,3 | ,2 | ,1 | | | | | | | | | | | 27 | 27 | 5 | |
| 78/ 77 | | | ,2 | ,2 | ,0 | ,1 | ,0 | | | | | | | | | | | 16 | 16 | 59 | |
| 76/ 75 | | | ,1 | ,0 | ,1 | | | | | | | | | | | | | 6 | 6 | 283 | 3 |
| 74/ 73 | | ,0 | ,0 | ,0 | | | | | | | | | | | | | | 3 | 3 | 605 | 20 |
| 72/ 71 | | | ,0 | | | | | | | | | | | | | | | 1 | 1 | 705 | .61 |
| 70/ 69 | | ,1 | | | | | | | | | | | | | | | | 2 | 2 | 401 | 105 |
| 68/ 67 | ,0 | ,0 | | | | | | | | | | | | | | | | 2 | 2 | 168 | 149 |
| 66/ 65 | | | | | | | | | | | | | | | | | | | | 93 | 219 |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | 52 | 282 |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | 13 | 287 |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | 10 | 280 |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | 1 | 264 |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | 1 | 189 |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | | 144 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | | 99 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | 83 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | 48 |

| 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 | | | | | | | | | | | | |

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
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# PSYCHROMETRIC SUMMARY

22111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) AUG (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 4 | 5 - 6 | 7 - 3 | 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 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 47 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 28 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 40 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 30 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 13 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 12 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 6 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 2 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 3 |
| 28/ 25 | | | | | | | | | | | | | | | | | | | | | 1 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | .0 | .2 | .5 | .7 | 1.3 | 2.0 | 2.1 | 3.5 | 4.2 | 5.9 | 7.4 | 9.5 | 11.4 | 12.2 | 13.2 | 10.4 | 15.5 | | 2416 | | 2416 |
| | | | | | | | | | | | | | | | | | | 2416 | | 2416 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 2965951 | 78031 | 32.3 | 13.586 | 2416 | | | 93.0 | 92.8 | 91.5 | 64.9 | 93 |
| Dry Bulb | 22073955 | 230409 | 95.4 | 6.445 | 2416 | | | 85.7 | 36.8 | .0 | | 93 |
| Wet Bulb | 12357125 | 172611 | 71.4 | 3.214 | 2416 | | .3 | 13.0 | .8 | | | 93 |
| Dew Point | 8532216 | 142378 | 58.9 | 7.660 | 2416 | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | AUG MONTH

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

| Temp. (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 |
| 104/103 | | | | | | | | | | | | | | | | .0 | .2 | 5 | 5 | | |
| 102/101 | | | | | | | | | | | | | | .1 | .0 | | .2 | 7 | 7 | | |
| 100/ 99 | | | | | | | | | | | | | .1 | .4 | .3 | .4 | .1 | 29 | 29 | | |
| 98/ 97 | | | | | | | | | | | | .1 | .7 | 1.0 | .8 | .4 | .1 | 74 | 74 | | |
| 96/ 95 | | | | | | | | | | | .2 | .7 | 1.9 | 1.9 | 1.2 | .3 | .3 | 157 | 157 | | |
| 94/ 93 | | | | | | | | | .0 | .4 | 1.4 | 3.4 | 2.8 | 2.0 | .6 | .1 | .2 | 262 | 262 | | |
| 92/ 91 | | | | | | | | .1 | .3 | 1.7 | 4.1 | 3.3 | 2.0 | .6 | .5 | .2 | | 309 | 309 | | |
| 90/ 89 | | | | | | | .2 | .7 | 1.9 | 3.8 | 3.5 | 2.2 | 1.1 | .7 | .2 | .2 | | 355 | 355 | | |
| 88/ 87 | | | | | | .2 | .6 | 1.9 | 3.2 | 3.0 | 1.9 | .9 | .6 | .3 | .2 | .0 | .0 | 316 | 316 | | |
| 86/ 85 | | | | | .2 | .6 | 1.7 | 2.5 | 3.1 | 1.8 | 1.2 | .6 | .4 | .3 | .2 | .0 | | 304 | 304 | | |
| 84/ 83 | | | .0 | .1 | .4 | 1.0 | 1.9 | 1.3 | .7 | .6 | .4 | .5 | .5 | .1 | .0 | | | 183 | 183 | | |
| 82/ 81 | | | .1 | .5 | .7 | 1.8 | .7 | .9 | .2 | .2 | .3 | .2 | .2 | .1 | | | | 145 | 145 | | |
| 80/ 79 | | | .1 | .7 | 1.1 | 1.2 | .2 | .3 | .2 | .3 | .1 | .1 | .1 | .0 | | | | 110 | 110 | 3 | |
| 78/ 77 | | .2 | .5 | 1.1 | .4 | .2 | .1 | | .2 | .3 | .1 | .1 | | .0 | | | | 77 | 77 | 27 | 1 |
| 76/ 75 | | .2 | .4 | .3 | .2 | | | .1 | .0 | .1 | .0 | .0 | | | | | | 40 | 40 | 151 | 10 |
| 74/ 73 | | .3 | .2 | .2 | .1 | | | | .1 | | .0 | | .1 | | | | | 23 | 23 | 395 | 50 |
| 72/ 71 | | .1 | .3 | | .0 | | .0 | | | | | | | | | | | 12 | 12 | 696 | 84 |
| 70/ 69 | | .1 | .0 | | | | | | | | | | | | | | | 4 | 4 | 517 | 179 |
| 68/ 67 | | .1 | | | | | | | | | | | | | | | | 3 | 3 | 285 | 197 |
| 66/ 65 | | | | | | | | | | | | | | | | | | | | 122 | 272 |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | 80 | 272 |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | 64 | 311 |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | 46 | 248 |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | 17 | 188 |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | 9 | 148 |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 1 | 126 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 2 | 76 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | 67 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | 44 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 32 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 22 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 27 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 15 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 19 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | AUG MONTH

PAGE 2 | 2100-2300 HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 8 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 7 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 4 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 4 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 1 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 2 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | | 1.0 | 1.7 | 3.1 | 3.1 | 5.0 | 5.6 | 7.7 | 10.2 | 12.2 | 13.3 | 12.2 | 10.5 | 7.5 | 4.1 | 1.7 | 1.0 | | 2413 | | 2416 |
| | | | | | | | | | | | | | | | | | | 2415 | | 2415 | |

| Elemen (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 4969339 | 102549 | 42.5 | 15.958 | 2415 | | | | | | | |
| Dry Bulb | 18753.19 | 212363 | 87.9 | 5.720 | 2415 | | | 93.0 | 92.3 | 85.3 | 20.6 | 93 |
| Wet Bulb | 11872427 | 169075 | 70.0 | 3.831 | 2415 | | | 79.9 | 22.2 | | | 93 |
| Dew Point | 8983544 | 146078 | 60.5 | 7.914 | 2416 | | .5 | 20.1 | 2.3 | | | 93 |

FORM 0-26-5 (OL A) OCT 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | SEP MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| 98/ 97 | | | | | | | | | | | | | | | .0 | | | 1 | 1 | | |
| 94/ 93 | | | | | | | | | | | .0 | .0 | .1 | .1 | | | | 6 | 6 | | |
| 92/ 91 | | | | | | | | | | .0 | .1 | .3 | .3 | .1 | .0 | .0 | | 23 | 23 | | |
| 90/ 89 | | | | | | | | .0 | .1 | .4 | .5 | .4 | .3 | .3 | .2 | | | 51 | 51 | | |
| 88/ 87 | | | | | | | .0 | .0 | .6 | 1.1 | .8 | .6 | .4 | .5 | | .0 | | 96 | 96 | | |
| 86/ 85 | | | | | | | .2 | .6 | 1.1 | 1.0 | 1.4 | .5 | .5 | .2 | .0 | .0 | | 130 | 130 | | |
| 84/ 83 | | | | | | .1 | .5 | 1.1 | 1.6 | .8 | 1.2 | 1.2 | .5 | .2 | .0 | .0 | | 172 | 172 | | |
| 82/ 81 | | | | .0 | .1 | .6 | 1.3 | 1.3 | 1.0 | 1.7 | 1.0 | 1.1 | .4 | .1 | | | | 203 | 203 | | |
| 80/ 79 | | | | .1 | .3 | .8 | 1.8 | 1.5 | 1.2 | 2.1 | 2.2 | 1.1 | .3 | | | | | 268 | 268 | | |
| 78/ 77 | | | | .6 | .5 | 1.2 | 1.3 | 1.3 | 2.1 | 2.3 | 1.5 | .6 | .2 | | | | | 270 | 270 | 1 | |
| 76/ 75 | | .1 | .6 | .3 | 1.6 | 1.6 | .6 | 1.6 | 2.4 | 1.6 | 1.2 | .5 | .0 | .1 | | | | 285 | 285 | 4 | |
| 74/ 73 | | .3 | .2 | .7 | .9 | .9 | 1.4 | 1.5 | 1.9 | 1.5 | .6 | .2 | .2 | | | | | 241 | 241 | 31 | 2 |
| 72/ 71 | | .3 | .9 | .7 | .8 | .9 | 1.0 | 1.5 | 1.2 | .9 | .3 | .1 | .0 | | | | | 199 | 199 | 138 | 19 |
| 70/ 69 | .0 | .3 | .4 | .4 | .5 | .8 | .7 | 1.1 | .9 | .4 | .2 | .0 | | | | | | 135 | 135 | 217 | 46 |
| 68/ 67 | .1 | .2 | .1 | .3 | .4 | .8 | .9 | .6 | 1.0 | .6 | .1 | | | | | | | 118 | 118 | 280 | 62 |
| 66/ 65 | | .0 | .0 | .2 | .3 | .7 | .8 | .5 | .4 | .2 | .0 | | | | | | | 73 | 73 | 236 | 116 |
| 64/ 63 | | .1 | .0 | | .2 | .3 | .3 | .3 | .3 | .1 | | | | | | | | 34 | 34 | 247 | 154 |
| 62/ 61 | | | .1 | .1 | .0 | .2 | .2 | .2 | .1 | | | | | | | | | 22 | 22 | 277 | 174 |
| 60/ 59 | | .0 | | | | | .1 | | | | | | | | | | | 3 | 3 | 209 | 161 |
| 58/ 57 | | | .0 | .0 | | | .0 | | | | | | | | | | | 3 | 3 | 233 | 122 |
| 56/ 55 | | | .1 | | | | | | | | | | | | | | | 2 | 2 | 153 | 155 |
| 54/ 53 | | .0 | | | | | | | | | | | | | | | | 1 | 1 | 112 | 156 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 57 | 166 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | 44 | 184 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 14 | 150 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | 5 | 157 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 131 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 116 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 73 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 53 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 45 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 34 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 16 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 14 |

| 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 | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | SEP MONTH

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

| Temp. (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 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 10 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 9 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 8 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 2 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 3 |
| TOTAL | .1 | 1.4 | 2.4 | 3.5 | 5.6 | 9.0 | 11.2 | 13.3 | 15.8 | 14.7 | 11.1 | 6.5 | 3.2 | 1.6 | .3 | .2 | | | 2336 | | 2338 |
| | | | | | | | | | | | | | | | | | | 2336 | | 2338 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 5324559 | 104883 | 44.9 | 16.258 | 2337 | | | | | | | |
| Dry Bulb | 13912111 | 179625 | 76.9 | 6.544 | 2336 | | | 84.7 | 67.3 | 32.2 | .3 | 90 |
| Wet Bulb | 9165586 | 145758 | 62.3 | 5.799 | 2338 | | | 25.8 | 1.4 | | | 90 |
| Dew Point | 6025645 | 122307 | 52.3 | 9.865 | 2338 | | 2.4 | 5.0 | .1 | | | 90 |

USAFETAC FORM 0-26-5 (OL-A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | SEP MONTH

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

| Temp (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 | .1 | .1 | .0 | .0 | | | | | 8 | 8 | | |
| 88/ 87 | | | | | | | .0 | .1 | .2 | .3 | .2 | .1 | | .0 | | | | 21 | 21 | | |
| 86/ 85 | | | | | | | .1 | .3 | .4 | .3 | .2 | .2 | .2 | .0 | | | | 42 | 42 | | |
| 84/ 83 | | | | | | .1 | .4 | .5 | .8 | .9 | .6 | .2 | .0 | | | | | 83 | 83 | | |
| 82/ 81 | | | | .0 | .0 | .6 | 1.2 | 1.2 | 1.1 | .7 | .7 | .3 | .1 | | | | | 141 | 141 | | |
| 80/ 79 | | | | .0 | .7 | 1.1 | 1.4 | 1.6 | 1.1 | 1.2 | 1.1 | .2 | .0 | .1 | | | | 199 | 199 | | |
| 78/ 77 | | .0 | | .5 | .9 | .9 | 1.6 | 1.5 | 1.4 | 1.2 | .9 | .1 | .0 | .1 | | | | 213 | 213 | | |
| 76/ 75 | | | .2 | .9 | 1.2 | 1.5 | 1.4 | 1.7 | 1.9 | 1.8 | .5 | .1 | | .0 | | | | 263 | 263 | 3 | |
| 74/ 73 | | .5 | .3 | 1.0 | 1.8 | .8 | 1.8 | 1.6 | 2.1 | .9 | .1 | .1 | .0 | | | | | 262 | 262 | 16 | 1 |
| 72/ 71 | .0 | .3 | 1.2 | 1.2 | 1.0 | .9 | 2.4 | 2.0 | 1.6 | 1.1 | .1 | .1 | .2 | | | | | 285 | 285 | 104 | 16 |
| 70/ 69 | | .4 | .5 | 1.5 | .6 | 1.3 | 1.5 | 1.5 | 1.7 | .3 | | | | | | | | 214 | 214 | 156 | 42 |
| 68/ 67 | .1 | .3 | .6 | .5 | 1.2 | 1.5 | 1.5 | 1.4 | .8 | .3 | | | | | | | | 190 | 192 | 221 | 84 |
| 66/ 65 | .1 | .0 | .4 | .5 | .8 | 1.4 | 1.7 | 1.1 | .8 | .2 | | | | | | | | 164 | 164 | 261 | 103 |
| 64/ 63 | | | .2 | .3 | .9 | .6 | 1.0 | .4 | .4 | .1 | | | | | | | | 92 | 92 | 203 | 149 |
| 62/ 61 | | .1 | .2 | .1 | .4 | .6 | 1.3 | .4 | .1 | | | | | | | | | 77 | 77 | 248 | 169 |
| 60/ 59 | | | .0 | .0 | .2 | .4 | .6 | .3 | .0 | | | | | | | | | 49 | 49 | 276 | 147 |
| 58/ 57 | | | .0 | | .0 | .3 | .2 | .1 | | | | | | | | | | 16 | 16 | 245 | 128 |
| 56/ 55 | | | | .0 | .0 | .2 | .0 | | | | | | | | | | | 8 | 8 | 195 | 158 |
| 54/ 53 | | .0 | .0 | .0 | | | | | | | | | | | | | | 3 | 3 | 181 | 158 |
| 52/ 51 | | .1 | | | | | | | | | | | | | | | | 2 | 2 | 86 | 168 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | 82 | 171 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 40 | 168 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | 13 | 152 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 3 | 128 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 117 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 92 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 60 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 47 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 23 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 14 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 14 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 6 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 4 |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | 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 | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
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AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | SEP MONTH

PAGE 2 | 0300-0500 HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 5 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 2 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 1 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 5 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | .3 | 1.8 | 3.7 | 6.7 | 10.1 | 12.3 | 18.2 | 15.9 | 14.4 | 9.3 | 4.5 | 1.5 | .8 | .3 | | | | 2333 | 2335 | 2333 | 2333 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 6538585 | 117805 | 50.5 | 15.906 | 2333 | | | | | | | |
| Dry Bulb | 12505010 | 170190 | 72.9 | 6.560 | 2335 | | | 74.2 | 47.5 | 15.4 | | 90 |
| Wet Bulb | 8725434 | 141930 | 60.8 | 6.247 | 2333 | | | 19.3 | .7 | | | 90 |
| Dew Point | 6594607 | 121933 | 52.3 | 9.753 | 2333 | | 2.0 | 5.5 | .0 | | | 90 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# PSYCHROMETRIC SUMMARY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) SEP (MONTH)

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

| Temp. (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 | | | | | | | | | | | | | .0 | | | .0 | | 2 | 2 | | |
| 92/ 91 | | | | | | | | | | | .0 | | | .0 | | | | 2 | 2 | | |
| 90/ 89 | | | | | | | | | | .1 | .1 | .1 | | .1 | .0 | | | 12 | 12 | | |
| 88/ 87 | | | | | | | .0 | .0 | .1 | .2 | .3 | .2 | .2 | .0 | | | | 26 | 26 | | |
| 86/ 85 | | | | | | .0 | .3 | .3 | .4 | .6 | .3 | .3 | .3 | | | | | 60 | 60 | | |
| 84/ 83 | | | | | | .2 | .3 | .6 | .6 | .9 | .4 | .7 | .3 | | | | | 93 | 93 | | |
| 82/ 81 | | | | | .2 | .7 | .9 | 1.2 | .9 | 1.2 | 1.0 | .3 | .0 | .1 | | | | 153 | 153 | | |
| 80/ 79 | | | | | .8 | 1.1 | 1.6 | 1.4 | 1.5 | 1.3 | 1.0 | .3 | | | | | | 212 | 212 | | |
| 78/ 77 | | .1 | .1 | .6 | 1.0 | 1.7 | 2.0 | 1.5 | 1.6 | 1.2 | .8 | .3 | .0 | | | | | 255 | 255 | | |
| 76/ 75 | | .0 | .2 | .9 | 1.1 | 1.8 | 1.7 | 2.0 | 1.9 | 1.5 | .3 | .1 | .1 | .0 | | | | 275 | 275 | 7 | 1 |
| 74/ 73 | | .3 | .3 | .9 | 1.7 | 1.4 | 1.5 | 1.8 | 1.6 | .9 | .2 | | .0 | .0 | | | | 247 | 247 | 31 | 3 |
| 72/ 71 | .0 | .1 | 1.0 | .8 | 1.0 | .9 | 1.5 | 1.9 | 1.7 | .6 | .3 | .2 | .1 | | | | | 235 | 236 | 91 | 13 |
| 70/ 69 | .0 | .5 | .5 | .8 | .8 | 1.5 | 1.8 | 1.4 | 1.2 | .5 | .3 | .1 | | | | | | 222 | 223 | 183 | 45 |
| 68/ 67 | .0 | .3 | .4 | .6 | .9 | 1.2 | 1.6 | 1.5 | .6 | .2 | .0 | | | | | | | 174 | 174 | 235 | 86 |
| 66/ 65 | | .0 | .2 | .6 | .8 | 1.1 | 1.7 | .7 | .5 | | | | | | | | | 129 | 129 | 259 | 126 |
| 64/ 63 | | .1 | .3 | .5 | .5 | .8 | .8 | .6 | .2 | | | | | | | | | 86 | 86 | 241 | 134 |
| 62/ 61 | | .0 | .2 | .2 | .3 | .6 | .5 | .5 | .0 | | | | | | | | | 56 | 56 | 264 | 151 |
| 60/ 59 | | .0 | | .0 | .6 | .8 | .5 | .3 | | | | | | | | | | 53 | 53 | 261 | 156 |
| 58/ 57 | | | | .1 | .3 | .4 | .3 | .0 | | | | | | | | | | 25 | 25 | 242 | 147 |
| 56/ 55 | | | | .1 | .0 | .2 | .1 | .1 | | | | | | | | | | 14 | 14 | 178 | 172 |
| 54/ 53 | | | .0 | | | | .0 | | | | | | | | | | | 2 | 2 | 146 | 165 |
| 52/ 51 | | .0 | | | | | | | | | | | | | | | | 1 | 1 | 89 | 161 |
| 50/ 49 | | .0 | | | | | | | | | | | | | | | | 1 | 1 | 71 | 170 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 37 | 178 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | 14 | 151 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 6 | 140 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 101 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 63 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 43 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 46 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 28 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 16 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 12 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 10 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | SEP MONTH

PAGE 2 | 0600-0800 HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 5 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 3 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 2 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 3 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 2 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | .1 | 1.5 | 3.2 | 6.2 | 10.1 | 14.5 | 17.1 | 15.8 | 12.8 | 9.3 | 5.0 | 2.6 | 1.2 | .4 | .0 | .0 | | 2335 | 2337 | 2335 | 2335 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 6447620 | 117100 | 50.1 | 15.697 | 2335 | | | | | | | |
| Dry Bulb | 12727501 | 171729 | 73.5 | 6.812 | 2337 | | | 75.9 | 51.5 | 17.6 | .1 | 90 |
| Wet Bulb | 8837365 | 142907 | 61.2 | 0.249 | 2335 | | | 20.3 | 1.5 | | | 90 |
| Dew Point | 6577000 | 122882 | 52.6 | 9.678 | 2335 | | 2.1 | 5.7 | .2 | | | 90 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING PROGRAM
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | SEP MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| 106/105 | | | | | | | | | | | | | | | | | .0 | 1 | 1 | | |
| 104/103 | | | | | | | | | | | | | | | | .0 | .1 | 4 | 4 | | |
| 102/101 | | | | | | | | | | | | | | | .0 | .1 | .2 | 7 | 7 | | |
| 100/ 99 | | | | | | | | | | | | .0 | .1 | .1 | .5 | .5 | .4 | 37 | 37 | | |
| 98/ 97 | | | | | | | | | | | .0 | .0 | .4 | .5 | .9 | .9 | .9 | 86 | 86 | | |
| 96/ 95 | | | | | | | | | | | .1 | .7 | .8 | 1.4 | 1.2 | .9 | .6 | 133 | 133 | | |
| 94/ 93 | | | | | | | | | .0 | .3 | .5 | 1.2 | 1.2 | 1.5 | 1.5 | 1.1 | .3 | 180 | 180 | | |
| 92/ 91 | | | | | | | | | .3 | .8 | 1.2 | 1.5 | 2.5 | 1.5 | 1.4 | .3 | .0 | 223 | 223 | | |
| 90/ 89 | | | | | | | | .3 | .9 | 1.1 | 2.0 | 1.6 | 2.3 | 1.8 | .9 | .1 | | 253 | 253 | | |
| 88/ 87 | | | | | | | .2 | .6 | 1.2 | 1.8 | 1.7 | 2.1 | 2.1 | 1.1 | .3 | .2 | | 264 | 264 | | |
| 86/ 85 | | | | | | .1 | .6 | .9 | 1.1 | 1.5 | 1.8 | 1.5 | 2.2 | .6 | .4 | .2 | | 255 | 255 | | |
| 84/ 83 | | | | .0 | .0 | .3 | .9 | 1.0 | 1.5 | 1.1 | 1.9 | 1.5 | 1.0 | .3 | .3 | .0 | | 232 | 232 | | |
| 82/ 81 | | | | | .1 | .7 | .7 | .9 | 1.2 | 1.2 | 1.0 | 1.5 | .4 | .3 | .1 | | | 189 | 189 | | |
| 80/ 79 | | | .0 | .2 | .2 | .8 | .8 | .8 | 1.0 | .9 | .7 | .8 | .5 | .3 | .1 | | | 166 | 166 | | |
| 78/ 77 | | | .0 | | .2 | .5 | .6 | .5 | .6 | .5 | 1.1 | .5 | .3 | .0 | | | | 116 | 116 | 6 | |
| 76/ 75 | | .0 | .1 | .4 | .4 | .3 | .2 | .3 | .6 | .6 | .4 | .2 | .1 | | | | | 83 | 83 | 51 | 1 |
| 74/ 73 | | .0 | .2 | .4 | .2 | .2 | .3 | .1 | .2 | .4 | .1 | .2 | | | | | | 53 | 53 | 144 | 5 |
| 72/ 71 | | .0 | .1 | | | .0 | .0 | .1 | .3 | .2 | | .1 | | | | | | 21 | 21 | 244 | 14 |
| 70/ 69 | | .2 | | .1 | .0 | .1 | .0 | .1 | .1 | .0 | .2 | | | | | | | 21 | 21 | 342 | 45 |
| 68/ 67 | .0 | | | .0 | .1 | | .0 | .0 | | | | | | | | | | 6 | 6 | 386 | 104 |
| 66/ 65 | | | .0 | | | | | .0 | | | | | | | | | | 2 | 2 | 352 | 116 |
| 64/ 63 | | .1 | | | .0 | | | | | | | | | | | | | 3 | 3 | 299 | 132 |
| 62/ 61 | | | | | .0 | | | | | | | | | | | | | 1 | 1 | 198 | 176 |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | 126 | 166 |
| 58/ 57 | | | | .0 | | | | | | | | | | | | | | 1 | 1 | 83 | 179 |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | 65 | 176 |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 26 | 222 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 8 | 149 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | 7 | 160 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | 149 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 138 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 129 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 87 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 51 |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | 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 | | | | | | | | | | | | |

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | SEP MONTH

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

| Temp. (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 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 38 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 22 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 13 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 17 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 17 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 13 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 11 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 3 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 1 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 1 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 1 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | .0 | .4 | .5 | 1.3 | 1.3 | 2.0 | 4.5 | 5.6 | 9.0 | 10.4 | 12.8 | 13.4 | 13.7 | 9.5 | 7.7 | 4.4 | 2.6 | 2337 | 2337 | 2337 | 2337 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 3309769 | 81539 | 34.9 | 14.107 | 2337 | | | | | | | |
| Dry Bulb | 17520084 | 201726 | 86.3 | 6.781 | 2337 | | | 89.7 | 87.9 | 75.6 | 17.3 | 90 |
| Wet Bulb | 10264040 | 154444 | 66.1 | 4.956 | 2337 | | | 45.2 | 7.7 | | | 90 |
| Dew Point | 6881077 | 124887 | 53.4 | 9.419 | 2337 | | 2.5 | 6.5 | .2 | | | 90 |

USAFETAC FORM 0-26.5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | SEP MONTH

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

| Temp. (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 |
| 112/111 | | | | | | | | | | | | | | | | | .0 | 1 | 1 | | |
| 110/109 | | | | | | | | | | | | | | | | | .3 | 6 | 6 | | |
| 108/107 | | | | | | | | | | | | | | | | | .6 | 15 | 15 | | |
| 106/105 | | | | | | | | | | | ~~.0~~ | | | .0 | | .1 | 2.7 | 69 | 69 | | |
| 104/103 | | | | | | | | | | | | | .0 | .0 | .3 | 1.3 | 4.5 | 145 | 145 | | |
| 102/101 | | | | | | | | | | | | | .0 | .3 | 1.4 | 1.7 | 6.0 | 220 | 220 | | |
| 100/ 99 | | | | | | | | | | | | .4 | .5 | 1.2 | 1.7 | 2.1 | 4.2 | 235 | 236 | | |
| 98/ 97 | | | | | | | | | | | .0 | .7 | .9 | 1.8 | 2.5 | 2.6 | 3.4 | 277 | 277 | | |
| 96/ 95 | | | | | | | | | | | .4 | .9 | 2.4 | 1.9 | 2.0 | 1.9 | 2.1 | 271 | 271 | | |
| 94/ 93 | | | | | | | | | .0 | .3 | .6 | 1.6 | 1.4 | 1.8 | 1.9 | 1.1 | 1.0 | 228 | 228 | | |
| 92/ 91 | | | | | | | | | .0 | .6 | .9 | 1.2 | 1.3 | 2.1 | 1.4 | 1.0 | .6 | 216 | 216 | | |
| 90/ 89 | | | | | | | | .1 | .4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.2 | 1.2 | .4 | .5 | 179 | 179 | | |
| 88/ 87 | | | | | | .1 | .1 | .3 | .9 | .6 | 1.0 | .9 | .7 | .9 | .4 | .5 | .2 | 154 | 154 | | |
| 86/ 85 | | | | | .0 | .0 | .1 | .3 | .6 | .7 | .9 | .6 | .4 | .6 | .3 | .2 | | 111 | 111 | ~~1~~ | |
| 84/ 83 | | | | .0 | | .1 | .2 | .6 | .3 | .5 | .4 | .2 | .3 | .3 | .3 | .0 | | 77 | 77 | | |
| 82/ 81 | | | | .0 | .1 | .2 | .3 | .3 | .2 | .4 | .1 | .1 | .2 | .1 | | | | 48 | 48 | 1 | |
| 80/ 79 | | | | .1 | .1 | .3 | .2 | | .1 | .2 | | .1 | .1 | .0 | | | | 28 | 28 | 1 | ~~1~~ |
| 78/ 77 | | | | .3 | .1 | .0 | .1 | | .0 | .1 | | .0 | .1 | .0 | | | | 19 | 19 | 21 | |
| 76/ 75 | | | .0 | .1 | | .0 | | .0 | .0 | .0 | .0 | | | | | | | 9 | 9 | 54 | |
| 74/ 73 | | | .1 | .0 | .0 | .0 | .0 | .0 | | | | .0 | | | | | | 9 | 9 | 240 | 6 |
| 72/ 71 | | .0 | .0 | .1 | .1 | | .0 | | | | | | | | | | | 7 | 7 | 374 | 10 |
| 70/ 69 | | .1 | .0 | .0 | | | | | .0 | | | | | | | | | 5 | 5 | 414 | 33 |
| 68/ 67 | | | .0 | | | | | .0 | | | | | | | | | | 2 | 2 | 416 | 63 |
| 66/ 65 | | | | .0 | | .0 | | | | | | | | | | | | 2 | 2 | 345 | 89 |
| 64/ 63 | | | .0 | | | | | | | | | | | | | | | 1 | 1 | 179 | 133 |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | 118 | 154 |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | 67 | 181 |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | 37 | 161 |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | 23 | 187 |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 2 | 206 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 1 | 168 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | 163 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | 144 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 146 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | SEP MONTH

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

| Temp. (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 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 126 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 91 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 77 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 57 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 38 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 26 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 21 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 25 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 13 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 7 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 6 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 1 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | | .1 | .3 | .8 | .5 | .9 | 1.1 | 1.6 | 2.7 | 4.4 | 5.5 | 7.9 | 9.3 | 12.4 | 13.4 | 13.0 | 26.1 | | 2335 | | 2334 |
| | | | | | | | | | | | | | | | | | | 2334 | | 2334 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 2008965 | 61971 | 26.6 | 12.449 | 2334 | | | | | | | |
| Dry Bulb | 20844278 | 220016 | 94.2 | 6.968 | 2335 | | | 89.9 | 89.3 | 87.5 | 56.6 | 90 |
| Wet Bulb | 10879343 | 159027 | 68.1 | 4.345 | 2334 | | | 60.2 | 13.8 | .1 | | 90 |
| Dew Point | 6583058 | 121948 | 52.2 | 9.520 | 2334 | | 2.9 | 4.4 | .3 | | | 90 |

FORM 0-26-5 (TOL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | SEP MONTH

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

| Temp. (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 |
| 112/111 | | | | | | | | | | | | | | | | | .2 | 4 | 4 | | |
| 110/109 | | | | | | | | | | | | | | | | | .5 | 12 | 12 | | |
| 108/107 | | | | | | | | | | | | | | .0 | | .1 | 4.1 | 98 | 98 | | |
| 106/105 | | | | | | | | | | | | ~~.0~~ | .0 | .0 | | .3 | 7.1 | 174 | 174 | | |
| 104/103 | | | | | | | | | | | ~~.0~~ | | | .0 | .3 | 1.0 | 8.6 | 232 | 232 | | |
| 102/101 | | | | | | | | | | | | | | .5 | 1.0 | 2.0 | 6.6 | 238 | 238 | | |
| 100/ 99 | | | | | | | | | | | | .1 | .4 | 1.2 | 1.8 | 2.4 | 6.8 | 297 | 297 | | |
| 98/ 97 | | | | | | | | | | | | .3 | .9 | 1.3 | 2.1 | 2.0 | 4.2 | 249 | 249 | | |
| 96/ 95 | | | | | | | | | | | .1 | .6 | 1.4 | 1.2 | 1.9 | 1.8 | 2.6 | 224 | 224 | | |
| 94/ 93 | | | | | | | | | | .0 | .5 | .8 | 1.1 | 1.0 | 1.7 | 2.3 | 2.1 | 221 | 221 | | |
| 92/ 91 | | | | | | | | | .0 | .2 | .6 | .5 | 1.1 | 1.1 | 1.2 | .7 | 1.1 | 152 | 152 | | |
| 90/ 89 | | | | | | | | .0 | .3 | .7 | .6 | .5 | .8 | .8 | .3 | .7 | .7 | 131 | 131 | | |
| 88/ 87 | | | | | | | | .0 | .4 | .6 | .7 | .3 | .7 | .4 | .4 | .5 | .2 | 100 | 100 | | |
| 86/ 85 | | | | | | .1 | .2 | .3 | .3 | .4 | .3 | .3 | .1 | .1 | .2 | .1 | .0 | 57 | 57 | ~~2~~ | |
| 84/ 83 | | | | | | .0 | .1 | .3 | .1 | .2 | .5 | .2 | .1 | .2 | .1 | | | 46 | 46 | | |
| 82/ 81 | | | | .1 | .1 | .2 | .1 | .1 | | .2 | .0 | .0 | .0 | .1 | | | | 23 | 23 | 2 | |
| 80/ 79 | | | | .0 | .0 | .1 | .2 | .1 | .0 | .1 | .0 | | .2 | .1 | | | | 21 | 21 | 2 | ~~1~~ |
| 78/ 77 | | .0 | .0 | .2 | .3 | .1 | .1 | .0 | | .0 | | | | | | | | 21 | 21 | 9 | ~~1~~ |
| 76/ 75 | | | | .2 | .2 | .1 | .0 | .1 | | | | | | | | | | 14 | 14 | 65 | |
| 74/ 73 | | | .0 | .0 | .0 | | .0 | .0 | .0 | .0 | | | | | | | | 7 | 7 | 235 | 4 |
| 72/ 71 | | .1 | | .0 | | | .0 | | .1 | | | | | | | | | 7 | 7 | 352 | 4 |
| 70/ 69 | | .0 | | .1 | .0 | | | | | | | | | | | | | 4 | 4 | 440 | 17 |
| 68/ 67 | | | | .0 | | | | | | | | | | | | | | 1 | 1 | 418 | 41 |
| 66/ 65 | | | | .1 | | | | | | | | | | | | | | 2 | 2 | 372 | 69 |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | 223 | 92 |
| 62/ 61 | | | | .0 | | | | | | | | | | | | | | 1 | 1 | 93 | .17 |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | 65 | 140 |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | 46 | 153 |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | 8 | 170 |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 4 | 171 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | | 171 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | 195 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | 156 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 155 |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≥ 77 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | SEP MONTH

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

| Temp. (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 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 145 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 125 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 108 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 91 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 64 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 38 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 31 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 26 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 15 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 17 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 3 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 1 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 1 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 1 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 1 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | | .2 | .1 | .9 | .8 | .6 | .8 | 1.1 | 1.4 | 2.6 | 3.5 | 3.7 | 6.9 | 8.1 | 10.8 | 13.8 | 44.8 | 2336 | 2336 | 2336 | 2336 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 1599188 | 53924 | 23.1 | 12.320 | 2336 | | | | | | | |
| Dry Bulb | 21913756 | 225614 | 96.6 | 7.277 | 2336 | | | 89.9 | 89.4 | 87.4 | 67.4 | 90 |
| Wet Bulb | 10830680 | 158766 | 68.0 | 4.158 | 2336 | | | 58.8 | 12.1 | .2 | | 90 |
| Dew Point | 6061675 | 116789 | 50.0 | 9.768 | 2336 | | 3.9 | 2.6 | .2 | | | 90 |

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | SEP MONTH

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

| Temp. (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 |
| 108/107 | | | | | | | | | | | | | | | | | .2 | 5 | 5 | | |
| 106/105 | | | | | | | | | | | | | | | | | .6 | 15 | 15 | | |
| 104/103 | | | | | | | | | | | | | | .0 | .0 | .1 | 1.8 | 47 | 47 | | |
| 102/101 | | | | | | | | | | | | | | .0 | .2 | .8 | 2.3 | 76 | 76 | | |
| 100/ 99 | | | | | | | | | | | | | .0 | .6 | .9 | 1.3 | 2.7 | 129 | 129 | | |
| 98/ 97 | | | | | | | | | | | | .0 | .4 | .9 | 1.6 | 1.4 | 2.4 | 157 | 157 | | |
| 96/ 95 | | | | | | | | | | | .2 | .7 | 1.1 | 2.1 | 2.0 | 1.5 | 1.8 | 218 | 218 | | |
| 94/ 93 | | | | | | | | | | .1 | .6 | .9 | 1.4 | 2.1 | 1.5 | 1.3 | .8 | 202 | 202 | | |
| 92/ 91 | | | | | | | | | .1 | .3 | 1.2 | 1.7 | 1.8 | 2.3 | 2.4 | 1.3 | .5 | 269 | 269 | | |
| 90/ 89 | | | | | | | | .0 | .3 | .9 | 1.5 | 1.4 | 2.5 | 2.2 | 1.2 | .4 | .3 | 253 | 253 | | |
| 88/ 87 | | | | | | | .1 | .2 | .9 | .8 | 1.2 | 1.5 | 1.8 | 1.2 | .4 | .5 | .1 | 205 | 205 | | |
| 86/ 85 | | | | | | | .3 | .6 | .8 | .5 | 1.6 | 1.4 | 1.4 | 1.0 | .4 | .2 | | 191 | 191 | | |
| 84/ 83 | | | | | | .2 | .6 | .5 | .6 | 1.0 | 1.1 | 1.0 | .7 | .6 | .3 | | | 152 | 152 | | |
| 82/ 81 | | | | | .3 | .3 | .6 | .2 | .3 | .7 | 1.0 | .7 | .6 | .3 | .2 | .0 | | 122 | 122 | | |
| 80/ 79 | | | .0 | .0 | .3 | .6 | .5 | .2 | .7 | .7 | .7 | .6 | .3 | .2 | .0 | | | 116 | 116 | | |
| 78/ 77 | | .0 | | .2 | .3 | .3 | .1 | .4 | .5 | .3 | .3 | .2 | .2 | .1 | | .0 | | 66 | 66 | 1 | |
| 76/ 75 | | | .1 | .4 | .3 | .2 | .2 | .2 | .2 | .0 | .1 | .1 | .0 | | | | | 44 | 44 | 29 | 2 |
| 74/ 73 | | | .1 | .2 | .2 | .0 | | .2 | .0 | .1 | .1 | .0 | | | | | | 25 | 25 | 134 | |
| 72/ 71 | .1 | .1 | .1 | | .0 | | .0 | | | | .1 | | | | | | | 12 | 12 | 284 | 9 |
| 70/ 69 | | .2 | .1 | .0 | | | .1 | .1 | | .0 | .1 | | | | | | | 16 | 16 | 381 | 35 |
| 68/ 67 | | .0 | .1 | .1 | .0 | | .0 | | | | | | | | | | | 7 | 7 | 365 | 55 |
| 66/ 65 | | | .0 | .0 | | | | | | | | | | | | | | 2 | 2 | 398 | 95 |
| 64/ 63 | | | .0 | .0 | | | | | | | | | | | | | | 2 | 2 | 309 | 108 |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | 191 | 138 |
| 60/ 59 | | | .1 | | | | | | | | | | | | | | | 2 | 3 | 106 | 127 |
| 58/ 57 | | | .0 | | | | | | | | | | | | | | | 1 | 1 | 65 | 159 |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | 50 | 208 |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 14 | 179 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 6 | 205 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | 1 | 197 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | 164 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 152 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 126 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 105 |

| 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 | | | | | | | | | | | | |

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | SEP MONTH

PAGE 2 | 1800-2000 HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 75 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 59 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 38 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 24 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 23 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 19 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 13 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 9 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 4 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 3 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 1 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 1 |
| ~~6/ 5~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| TOTAL | .1 | .4 | .9 | 1.0 | 1.5 | 1.6 | 2.5 | 2.6 | 4.5 | 5.6 | 9.8 | 10.4 | 12.2 | 13.6 | 11.2 | 8.7 | 13.5 | | 2338 | | 2334 |
| | | | | | | | | | | | | | | | | | | 2334 | | 2334 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 2607659 | 70269 | 30.1 | 14.523 | 2334 | | | | | | | |
| Dry Bulb | 18880358 | 209222 | 89.6 | 7.564 | 2335 | | | 89.7 | 88.3 | 81.8 | 32.7 | 90 |
| Wet Bulb | 10330034 | 154916 | 66.4 | 4.522 | 2334 | | | 46.0 | 6. | | | 90 |
| Dew Point | 6432914 | 120534 | 51.7 | 9.400 | 2334 | | 2.9 | 3.9 | .1 | | | 90 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | SEP MONTH

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

| Temp (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 |
| 100/ 99 | | | | | | | | | | | | | | | .0 | | | 1 | 1 | | |
| 98/ 97 | | | | | | | | | | | | | | .3 | | .0 | .0 | 8 | 8 | | |
| 96/ 95 | | | | | | | | | | | | | .2 | .5 | .3 | .1 | .0 | 25 | 25 | | |
| 94/ 93 | | | | | | | | | | | .0 | .3 | .8 | .3 | .4 | .3 | | 49 | 49 | | |
| 92/ 91 | | | | | | | | | .0 | .2 | .9 | 1.0 | .8 | .7 | .6 | .1 | .1 | 103 | 103 | | |
| 90/ 89 | | | | | | | | .1 | .1 | .9 | 1.3 | 1.4 | 1.1 | 1.2 | .6 | .1 | .0 | 160 | 160 | | |
| 88/ 87 | | | | | | | .1 | .2 | .9 | 1.3 | 1.4 | 1.1 | 1.2 | .5 | .5 | .2 | .0 | 166 | 166 | | |
| 86/ 85 | | | | | | .0 | .2 | .6 | 1.6 | 1.5 | 2.1 | 1.8 | 1.4 | .7 | .2 | .1 | | 238 | 238 | | |
| 84/ 83 | | | | | .0 | .3 | .7 | 1.3 | 1.6 | 1.3 | 2.9 | 1.8 | .8 | .2 | .0 | | | 254 | 254 | | |
| 82/ 81 | | | | | .3 | .5 | .9 | 1.4 | .9 | 2.2 | 1.8 | 1.8 | .5 | .2 | .0 | | | 242 | 242 | | |
| 80/ 79 | | | | .1 | .4 | 1.0 | 1.2 | 1.0 | 2.1 | 2.3 | 2.3 | .9 | .4 | .1 | | | | 277 | 277 | | |
| 78/ 77 | | | .1 | .5 | .1 | 1.0 | .6 | .9 | 1.8 | 1.5 | 1.5 | .6 | .3 | .1 | | | | 225 | 225 | 1 | |
| 76/ 75 | | .0 | .4 | .6 | .9 | .7 | 1.2 | .9 | 1.2 | .9 | .8 | .5 | .1 | .1 | | | | 194 | 194 | 13 | |
| 74/ 73 | | .2 | .2 | .3 | .6 | .8 | .3 | .9 | .8 | .9 | .5 | .1 | .1 | | | | | 131 | 131 | 46 | 1 |
| 72/ 71 | | .1 | .3 | .1 | .5 | .3 | .8 | .9 | 1.0 | .3 | .4 | .2 | | | | | | 116 | 116 | 180 | 22 |
| 70/ 69 | .0 | .3 | .2 | .2 | .3 | .2 | .6 | .5 | .3 | .3 | .4 | | | | | | | 79 | 79 | 300 | 33 |
| 68/ 67 | .1 | .0 | .1 | .2 | .1 | .2 | .2 | .5 | .1 | .3 | | | | | | | | 43 | 43 | 289 | 76 |
| 66/ 65 | | | .1 | | .1 | | .1 | .2 | .1 | .0 | | | | | | | | 13 | 13 | 289 | 112 |
| 64/ 63 | | | .1 | .0 | | .0 | .1 | .0 | | | | | | | | | | 7 | 7 | 342 | 138 |
| 62/ 61 | | | .0 | | | | | | | | | | | | | | | 1 | 1 | 297 | 178 |
| 60/ 59 | | | .0 | .1 | | | .0 | | | | | | | | | | | 4 | 4 | 227 | 151 |
| 58/ 57 | | | .0 | .0 | | | | | | | | | | | | | | 2 | 2 | 147 | 177 |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | 95 | 144 |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 61 | 172 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 34 | 211 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | 16 | 179 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 1 | 159 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 142 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 127 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 93 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 52 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 49 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 36 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 25 |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | SEP MONTH

PAGE 2 | 2100-2300 HOURS (L. S. T.)

| Temp. (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 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 16 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 15 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 13 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 7 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 3 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 4 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 3 |
| TOTAL | .1 | .7 | 1.6 | 2.2 | 3.8 | 4.9 | 7.0 | 9.5 | 12.5 | 13.9 | 16.0 | 11.4 | 7.7 | 4.9 | 2.7 | .9 | .3 | | 2338 | | 2338 |
| | | | | | | | | | | | | | | | | | | 2338 | | 2338 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 4312825 | 93637 | 40.1 | 15.516 | 2338 | | | | | | | |
| Dry Bulb | 15475718 | 189570 | 81.1 | 6.702 | 2338 | | | 89.0 | 79.8 | 53.9 | 3.2 | 90 |
| Wet Bulb | 9641190 | 149636 | 64.0 | 5.243 | 2338 | | | 31.9 | 2.3 | | | 90 |
| Dew Point | 6712077 | 123309 | 52.7 | 9.448 | 2338 | | 2.3 | 5.1 | .0 | | | 90 |

AFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | OCT MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 | | | | | | 2 | 2 | | |
| 82/ 81 | | | | | | | | | .0 | .0 | .1 | .2 | | | | | | 8 | 8 | | |
| 80/ 79 | | | | | | .0 | | .1 | | .1 | .2 | .1 | .0 | | | | | 16 | 16 | | |
| 78/ 77 | | | | | .0 | .1 | .0 | .1 | .0 | .5 | .3 | .3 | .0 | | | | | 34 | 34 | | |
| 76/ 75 | | | | .1 | .1 | .2 | .5 | .2 | .7 | .4 | .3 | .1 | .0 | .0 | | | | 62 | 62 | | |
| 74/ 73 | | | .4 | .1 | .2 | .5 | .8 | .7 | .7 | 1.4 | .5 | .2 | .0 | .0 | | | | 137 | 137 | | |
| 72/ 71 | | | .2 | .4 | .3 | .9 | 1.3 | 1.5 | 1.3 | .5 | .4 | .1 | | | | | | 168 | 168 | 1 | |
| 70/ 69 | | .1 | .3 | .0 | .7 | 1.7 | 1.5 | 2.1 | 1.5 | .7 | .5 | | | | | | | 223 | 223 | 17 | 2 |
| 68/ 67 | | .3 | .2 | .4 | .9 | 1.4 | 1.7 | 2.1 | 1.4 | 1.0 | .2 | .0 | | | | | | 233 | 233 | 20 | 14 |
| 66/ 65 | | .2 | .4 | .7 | .8 | 1.7 | 2.4 | 2.1 | 1.4 | .6 | .1 | | | | | | | 251 | 251 | 38 | 21 |
| 64/ 63 | | .1 | .6 | .5 | 1.0 | 1.2 | 2.4 | 2.9 | 1.5 | .3 | .1 | | | | | | | 255 | 255 | 54 | 21 |
| 62/ 61 | | .3 | .3 | .5 | 1.5 | 2.0 | 2.9 | 3.0 | 1.3 | .2 | .1 | | | | | | | 295 | 295 | 106 | 21 |
| 60/ 59 | | .2 | .6 | .7 | .8 | 2.2 | 2.7 | 2.4 | .5 | .1 | | | | | | | | 245 | 245 | 206 | 31 |
| 58/ 57 | | .6 | .2 | .5 | 1.0 | 2.0 | 1.4 | .8 | .4 | .2 | | | | | | | | 169 | 169 | 203 | 62 |
| 56/ 55 | | .3 | .5 | .6 | 1.1 | 1.5 | 1.1 | .5 | .2 | | | | | | | | | 140 | 140 | 291 | 103 |
| 54/ 53 | | .2 | .1 | .6 | .7 | .7 | .7 | .3 | .0 | | | | | | | | | 81 | 81 | 258 | 100 |
| 52/ 51 | | | .1 | .3 | .5 | .1 | .2 | .1 | | | | | | | | | | 29 | 29 | 277 | 107 |
| 50/ 49 | | | .2 | .4 | .2 | .2 | .1 | | | | | | | | | | | 28 | 28 | 341 | 151 |
| 48/ 47 | | .2 | .2 | .2 | .1 | .1 | | | | | | | | | | | | 20 | 20 | 249 | 154 |
| 46/ 45 | | | .1 | .2 | .0 | | | | | | | | | | | | | 8 | 8 | 164 | 169 |
| 44/ 43 | | .1 | .0 | | | | | | | | | | | | | | | 3 | 3 | 96 | 179 |
| 42/ 41 | | | .0 | | .0 | .1 | | | | | | | | | | | | 4 | 4 | 87 | 198 |
| 40/ 39 | | .0 | | | .1 | | | | | | | | | | | | | 3 | 3 | 23 | 194 |
| 38/ 37 | | | | | .0 | | | | | | | | | | | | | 1 | 1 | 8 | 214 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 155 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 2 | 131 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 3 | 113 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | 1 | 94 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 52 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 35 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 27 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 17 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 19 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 9 |

| 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 | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) 7/64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
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# PSYCHROMETRIC SUMMARY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) OCT (MONTH)

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

| Temp (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 8 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 1 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 12 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | | 2.7 | 4.6 | 6.2 | 10.1 | 16.5 | 19.7 | 18.8 | 11.0 | 6.2 | 2.9 | 1.1 | .2 | .1 | | | | 2415 | 2415 | 2415 | 2415 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 6007446 | 113782 | 47.1 | 16.367 | 2415 | | | | | | | |
| Dry Bulb | 10004220 | 154574 | 64.0 | 6.768 | 2415 | | | 34.0 | 10.0 | .7 | | 93 |
| Wet Bulb | 6796580 | 127270 | 52.7 | 6.088 | 2415 | | .2 | 1.5 | | | | 93 |
| Dew Point | 4514407 | 101613 | 42.1 | 9.991 | 2415 | | 14.9 | .6 | | | | 93 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | OCT MONTH

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

| Temp. (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 | | .2 | | .0 | | | | | | 6 | 6 | | |
| 76/ 75 | | | | | .1 | .2 | .1 | | .1 | .2 | | | .0 | | | | | 17 | 17 | | |
| 74/ 73 | | .0 | .2 | | .2 | .2 | .2 | .2 | .2 | .3 | .1 | .0 | .1 | | | | | 44 | 44 | | |
| 72/ 71 | | .0 | .2 | .2 | .4 | .5 | .5 | .7 | .5 | .2 | .2 | | .0 | | | | | 85 | 85 | 1 | |
| 70/ 69 | | .2 | .5 | .4 | .7 | .9 | 1.0 | 1.0 | .9 | .2 | .1 | .0 | | | | | | 142 | 142 | 7 | 2 |
| 68/ 67 | .0 | .4 | .2 | .5 | 1.1 | 1.5 | 1.7 | 1.5 | .8 | .2 | .2 | .0 | | | | | | 196 | 196 | 21 | 11 |
| 66/ 65 | | .3 | .5 | .7 | 1.2 | 2.3 | 2.2 | 1.6 | .6 | .1 | .1 | | | | | | | 231 | 231 | 34 | 17 |
| 64/ 63 | | .4 | .6 | 1.1 | 1.2 | 1.9 | 2.0 | 1.4 | .5 | | .0 | | | | | | | 218 | 218 | 44 | 22 |
| 62/ 61 | | .2 | .6 | .8 | 1.2 | 2.3 | 2.4 | 1.9 | .5 | .1 | | | | | | | | 246 | 246 | 70 | 28 |
| 60/ 59 | | .1 | .6 | 1.0 | 2.1 | 2.6 | 4.0 | 1.7 | .2 | .0 | .0 | | | | | | | 300 | 300 | 125 | 38 |
| 58/ 57 | .1 | .4 | .5 | .9 | 1.8 | 3.6 | 3.0 | 1.0 | .2 | .1 | | | | | | | | 279 | 279 | 179 | 42 |
| 56/ 55 | | .4 | .4 | 1.1 | 1.5 | 3.0 | 2.0 | .5 | .2 | | | | | | | | | 222 | 222 | 226 | 89 |
| 54/ 53 | .1 | .5 | .5 | .6 | 1.7 | 1.6 | 1.3 | .3 | .1 | | | | | | | | | 162 | 162 | 247 | 102 |
| 52/ 51 | | .1 | .5 | 1.0 | .8 | .8 | .7 | .1 | | | | | | | | | | 96 | 96 | 262 | 107 |
| 50/ 49 | | | .2 | .7 | .4 | 1.0 | .5 | .1 | | | | | | | | | | 70 | 70 | 271 | 137 |
| 48/ 47 | | .2 | .5 | .6 | .5 | | .1 | .0 | | | | | | | | | | 50 | 50 | 334 | 149 |
| 46/ 45 | | .0 | .2 | .3 | .2 | .1 | .0 | | | | | | | | | | | 22 | 22 | 242 | 175 |
| 44/ 43 | | .1 | .3 | .1 | .0 | | | | | | | | | | | | | 14 | 14 | 149 | 175 |
| 42/ 41 | | .0 | .0 | .1 | .0 | | | | | | | | | | | | | 6 | 6 | 100 | 179 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | 66 | 199 |
| 38/ 37 | | | | | .1 | | | | | | | | | | | | | 3 | 3 | 21 | 212 |
| 36/ 35 | | | | .0 | .0 | | | | | | | | | | | | | 2 | 2 | 6 | 188 |
| 34/ 33 | | | | .0 | | | | | | | | | | | | | | 1 | 1 | 1 | 151 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 3 | 117 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | 1 | 81 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 2 | 59 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 38 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 20 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 29 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 15 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 8 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 6 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 8 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 3 |

| 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 | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | OCT MONTH

PAGE 2 | 0300-0500 HOURS (L. S. T.)

| Temp. (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 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 5 |
| TOTAL | ,2 | 3,6 | 6,5 | 10,3 | 15,4 | 22,6 | 21,7 | 12,0 | 4,8 | 1,7 | ,8 | ,2 | ,2 | | | | | | 2412 | | 2412 |
| | | | | | | | | | | | | | | | | | | 24:2 | | 2412 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 7129342 | 125290 | 51,9 | 6,052 | 2412 | | | | | | | |
| Dry Bulb | 8947809 | 146023 | 60,5 | 6,679 | 2412 | | | 18,9 | 2,6 | | | 93 |
| Wet Bulb | 6574611 | 123035 | 51,0 | 6,397 | 2412 | | ,2 | 1,1 | | | | 93 |
| Dew Point | 4434926 | 100622 | 41,7 | 9,920 | 2412 | | 15,0 | ,5 | | | | 93 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | OCT MONTH



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

| Temp (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 | | | | | | | | | | | | .0 | | | | | | 1 | 1 | | |
| 82/ 81 | | | | | | .0 | .0 | | | | .0 | | | | | | | 3 | 3 | | |
| 80/ 79 | | | | | .0 | .0 | .0 | | .1 | .1 | .1 | .0 | | | | | | 13 | 13 | | |
| 78/ 77 | | | | | | | | .1 | .1 | .2 | .2 | .0 | | .0 | | | | 16 | 16 | | |
| 76/ 75 | | | | .1 | .2 | .1 | | .4 | .5 | .4 | .2 | .0 | .1 | | | | | 49 | 49 | | |
| 74/ 73 | | .0 | .1 | .0 | .3 | .2 | .2 | .3 | .7 | .4 | .1 | | .1 | .1 | | | | 64 | 64 | | |
| 72/ 71 | | .0 | .1 | .1 | .4 | .5 | .5 | .8 | .5 | .5 | .3 | .0 | .0 | | | | | 93 | 93 | 4 | 1 |
| 70/ 69 | .0 | .2 | .3 | .2 | .6 | .6 | 1.0 | 1.3 | .7 | .5 | .2 | | | | | | | 136 | 136 | 11 | 2 |
| 68/ 67 | | .2 | .4 | .3 | .3 | 1.4 | 1.4 | 1.2 | 1.1 | .6 | .2 | .1 | | | | | | 174 | 174 | 17 | 9 |
| 66/ 65 | .1 | .3 | .2 | .9 | 1.2 | 1.7 | 1.9 | 1.3 | .9 | .3 | .1 | | | | | | | 217 | 217 | 33 | 15 |
| 64/ 63 | | .4 | .5 | 1.0 | 1.2 | 2.7 | 1.9 | 1.4 | .4 | .2 | .1 | | | | | | | 234 | 234 | 44 | 24 |
| 62/ 61 | .0 | .2 | .9 | .7 | 1.7 | 1.9 | 2.1 | 1.4 | .2 | .2 | | | | | | | | 225 | 225 | 77 | 34 |
| 60/ 59 | | .3 | .7 | 1.2 | 2.2 | 2.7 | 3.1 | .8 | .2 | .1 | .0 | | | | | | | 274 | 274 | 119 | 31 |
| 58/ 57 | .0 | .6 | .5 | 1.2 | 1.5 | 2.9 | 2.8 | .5 | .2 | .1 | | | | | | | | 249 | 249 | 209 | 43 |
| 56/ 55 | | .4 | .7 | .7 | 2.3 | 2.3 | 1.6 | .4 | .1 | | | | | | | | | 205 | 205 | 228 | 79 |
| 54/ 53 | | .3 | .5 | 1.0 | 2.1 | 1.7 | .7 | .2 | | | | | | | | | | 155 | 155 | 257 | 108 |
| 52/ 51 | | .2 | .5 | 1.0 | 1.1 | .9 | .4 | .2 | .0 | | | | | | | | | 105 | 105 | 279 | 97 |
| 50/ 49 | | .0 | .6 | .9 | .9 | .9 | .3 | .0 | | | | | | | | | | 89 | 89 | 269 | 148 |
| 48/ 47 | | .1 | .5 | .7 | .5 | .2 | .1 | .0 | | | | | | | | | | 50 | 50 | 311 | 181 |
| 46/ 45 | | .1 | .2 | .4 | .5 | .1 | | | | | | | | | | | | 30 | 30 | 213 | 171 |
| 44/ 43 | | .1 | .2 | .3 | .1 | .0 | | | | | | | | | | | | 18 | 18 | 154 | 191 |
| 42/ 41 | | .1 | .1 | .0 | | .0 | | | | | | | | | | | | 7 | 7 | 81 | 173 |
| 40/ 39 | | | | .0 | .0 | | | | | | | | | | | | | 2 | 2 | 61 | 204 |
| 38/ 37 | | | | .0 | .1 | | | | | | | | | | | | | 3 | 3 | 29 | 225 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 10 | 174 |
| 34/ 33 | | | | .0 | | | | | | | | | | | | | | 1 | 1 | 2 | 167 |
| 32/ 31 | | | | .0 | | | | | | | | | | | | | | 1 | 1 | 2 | 100 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | 2 | 56 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 1 | 48 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | 1 | 35 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 35 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 17 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 16 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 12 |

| 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 | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION — LUKE AFB ARIZONA/PHOENIX STATION NAME — 42-46,51-71 YEARS — OCT MONTH

PAGE 2 — 0600-0800 HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 9 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 4 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 3 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 1 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | .2 | 3.6 | 6.9 | 11.1 | 17.3 | 21.0 | 16.0 | 10.3 | 5.9 | 3.5 | 1.6 | .3 | .2 | .1 | | | | | 2414 | | 2414 |
| | | | | | | | | | | | | | | | | | | 2414 | | 2414 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 7187238 | 125668 | 52.1 | 16.321 | 2413 | | | | | | | |
| Dry Bulb | 9075995 | 146939 | 60.9 | 7.393 | 2414 | | .0 | 21.2 | 5.6 | .3 | | 93 |
| Wet Bulb | 6439735 | 123697 | 31.2 | 6.480 | 2414 | | .2 | 1.2 | | | | 93 |
| Dew Point | 4482158 | 101344 | 42.0 | 9.711 | 2414 | | 13.0 | .5 | | | | 93 |

FORM AUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION — LUKE AFB ARIZONA/PHOENIX STATION NAME — 42-46,51-71 YEARS — OCT MONTH

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

| Temp. (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 |
| 96/ 95 | | | | | | | | | | | | .0 | | | .1 | | | 3 | 3 | | |
| 94/ 93 | | | | | | | | | | | .0 | | .0 | .1 | .1 | .0 | .0 | 9 | 9 | | |
| 92/ 91 | | | | | | | | | | | .1 | .1 | .1 | .3 | .3 | .1 | .0 | 25 | 25 | | |
| 90/ 89 | | | | | | | | | .0 | .2 | | .1 | .6 | .8 | .4 | .2 | .0 | 56 | 56 | | |
| 88/ 87 | | | | | | | | .0 | .1 | .1 | .5 | .5 | 1.3 | .7 | .3 | .1 | | 89 | 89 | | |
| 86/ 85 | | | | | | | | .0 | .1 | .2 | .6 | 1.0 | .7 | 1.2 | .4 | .0 | | 103 | 103 | | |
| 84/ 83 | | | | | | | .1 | .1 | .3 | .5 | 1.1 | 1.5 | .9 | 1.1 | .5 | .2 | | 151 | 151 | | |
| 82/ 81 | | | | | | .0 | .1 | .2 | .6 | 1.0 | 1.5 | 1.4 | 1.9 | 1.0 | .1 | .0 | | 187 | 187 | | |
| 80/ 79 | | | .0 | .0 | .0 | .4 | .2 | .4 | .5 | 1.7 | 1.7 | 1.9 | 1.6 | .6 | .0 | | | 219 | 219 | | |
| 78/ 77 | | | | .0 | .0 | .3 | .5 | .7 | 1.0 | 1.5 | 1.9 | 2.2 | 1.0 | .1 | .1 | | | 224 | 224 | | |
| 76/ 75 | | .0 | .0 | .2 | .1 | .4 | .3 | 1.0 | 1.4 | 2.0 | 2.2 | 1.7 | .5 | .2 | | | | 239 | 239 | 2 | |
| 74/ 73 | | .0 | | .2 | .1 | .2 | .7 | 1.1 | 1.5 | 1.5 | 1.5 | 1.2 | .3 | .0 | | | | 200 | 200 | 10 | 2 |
| 72/ 71 | | | | .1 | .1 | .5 | .8 | 1.6 | 1.5 | 2.2 | 1.4 | .5 | .2 | .0 | | | | 213 | 214 | 19 | 2 |
| 70/ 69 | | .0 | .1 | .1 | .4 | .6 | .8 | 1.0 | 1.6 | 1.5 | .7 | .6 | .0 | | | | | 179 | 179 | 24 | 4 |
| 68/ 67 | .0 | .2 | .1 | .2 | .7 | .5 | .7 | 1.1 | 1.3 | 1.1 | .4 | .2 | .0 | | | | | 158 | 158 | 72 | 12 |
| 66/ 65 | | .2 | .0 | .4 | .3 | .5 | .7 | 1.1 | 1.1 | .5 | .2 | .0 | | | | | | 120 | 120 | 151 | 22 |
| 64/ 63 | | .1 | .2 | .1 | .2 | .5 | .6 | .5 | .5 | .2 | .1 | | | | | | | 71 | 71 | 192 | 31 |
| 62/ 61 | | .1 | .1 | .2 | .2 | .4 | .7 | .2 | .2 | .1 | .0 | | | | | | | 54 | 54 | 264 | 29 |
| 60/ 59 | | .2 | .1 | .2 | .2 | .4 | .4 | .4 | .1 | | | | | | | | | 48 | 48 | 314 | 37 |
| 58/ 57 | .0 | .2 | .2 | .1 | .4 | .1 | .1 | .1 | | .0 | | | | | | | | 31 | 31 | 347 | 77 |
| 56/ 55 | | | | .1 | .2 | .1 | .1 | .0 | .0 | | | | | | | | | 13 | 13 | 323 | 94 |
| 54/ 53 | | | .0 | .1 | | .0 | .0 | .0 | | | | | | | | | | 7 | 7 | 260 | 109 |
| 52/ 51 | | | | .0 | | | | .0 | | | | | | | | | | 2 | 2 | 185 | 131 |
| 50/ 49 | .0 | .1 | .0 | | | | .0 | .0 | | | | | | | | | | 6 | 6 | 130 | 182 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 69 | 189 |
| 46/ 45 | | | | | | .1 | .0 | | | | | | | | | | | 3 | 3 | 24 | 180 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 13 | 175 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | 3 | 170 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | 3 | 175 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 2 | 182 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 3 | 152 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 124 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 103 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 75 |

| 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 | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
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# PSYCHROMETRIC SUMMARY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) OCT (MONTH)

PAGE 2 0700-1100 HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B. W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 33 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 26 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 27 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 17 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 16 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 11 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 8 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 6 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 5 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 1 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | .1 | 1.3 | 1.0 | 2.0 | 2.9 | 5.0 | 6.9 | 9.7 | 11.8 | 14.1 | 13.8 | 12.9 | 9.3 | 6.2 | 2.4 | .6 | .1 | | 2411 | | 2410 |
| | | | | | | | | | | | | | | | | | | 2410 | | 2410 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 3494331 | 83821 | 34.8 | 15.503 | 2410 | | | | | | | |
| Dry Bulb | 13710820 | 180774 | 75.0 | 8.061 | 2411 | | | 79.3 | 38.1 | 28.5 | .5 | 93 |
| Wet Bulb | 8079725 | 138381 | 57.6 | 5.633 | 2410 | | | 4.9 | .5 | | | 93 |
| Dew Point | 4735146 | 104000 | 43.2 | 10.129 | 2410 | | 12.8 | .8 | .1 | | | 93 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
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# PSYCHROMETRIC SUMMARY

23111 STATION — LUKE AFB ARIZONA/PHOENIX STATION NAME — 42-46,51-71 YEARS — OCT MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 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 | TOTAL D.B. W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 106/105 | | | | | | | | | | | | | | | | | .0 | 1 | 1 | | |
| 104/103 | | | | | | | | | | | | | | | | | .0 | 1 | 1 | | |
| 102/101 | | | | | | | | | | | | | | | | .0 | .0 | 2 | 2 | | |
| 100/ 99 | | | | | | | | | | | | | .0 | | .0 | | .6 | 16 | 16 | | |
| 98/ 97 | | | | | | | | | | | | | .1 | | .1 | .8 | .6 | 40 | 40 | | |
| 96/ 95 | | | | | | | | | | | .0 | .1 | .0 | .0 | .8 | 1.2 | 1.3 | 85 | 85 | | |
| 94/ 93 | | | | | | | | | | | .1 | .2 | .2 | .7 | 1.7 | 1.1 | 1.5 | 132 | 132 | | |
| 92/ 91 | | | | | | | | | | | .1 | .5 | .7 | 1.7 | 2.4 | 1.8 | .8 | 191 | 191 | | |
| 90/ 89 | | | | | | | | | .1 | .1 | .4 | .8 | 1.3 | 1.8 | 2.3 | 2.5 | .7 | 234 | 234 | | |
| 88/ 87 | | | | | | | | .1 | .2 | .2 | .3 | 1.2 | 1.9 | 2.1 | 2.4 | 1.4 | .1 | 240 | 240 | | |
| 86/ 85 | | | | | | | .0 | .2 | .2 | .3 | .6 | 1.5 | 2.0 | 3.0 | 2.4 | .8 | .0 | 268 | 268 | | |
| 84/ 83 | | | | | | | .1 | .2 | .2 | .4 | .7 | 1.7 | 2.6 | 2.1 | 1.0 | .1 | | 225 | 225 | | |
| 82/ 81 | | | .0 | | | .1 | .1 | .1 | .4 | .7 | 1.8 | 2.3 | 1.9 | 1.5 | .4 | .1 | | 229 | 229 | | |
| 80/ 79 | | | | | | .0 | .1 | .2 | .7 | .7 | 1.5 | 1.5 | 1.5 | 1.0 | .5 | .0 | | 183 | 183 | | |
| 78/ 77 | | | | | .2 | .2 | .2 | .3 | .5 | 1.0 | .7 | 1.1 | .9 | .4 | .0 | .0 | | 135 | 135 | 1 | |
| 76/ 75 | | | | | .1 | .1 | .3 | .7 | .4 | .7 | .8 | .7 | .6 | .4 | | | | 111 | 111 | 6 | 1 |
| 74/ 73 | | | | .1 | .1 | .2 | .5 | .5 | .4 | .4 | .5 | .5 | .3 | .1 | | | | 84 | 84 | 11 | |
| 72/ 71 | | .0 | .1 | .0 | | .2 | .3 | .4 | .2 | .7 | .5 | .3 | .2 | | | | | 75 | 75 | 34 | |
| 70/ 69 | | | .1 | | .0 | .2 | .0 | .1 | .7 | .2 | .4 | .2 | .0 | | | | | 47 | 47 | 63 | 3 |
| 68/ 67 | | .2 | | .1 | .2 | .1 | .1 | .3 | .4 | .2 | .0 | | | | | | | 36 | 36 | 161 | 7 |
| 66/ 65 | .0 | | .0 | .2 | .1 | .0 | .2 | .1 | .3 | .1 | | | | | | | | 25 | 25 | 266 | 29 |
| 64/ 63 | | | | .1 | | | .1 | .2 | .1 | .0 | | | | | | | | 12 | 12 | 337 | 28 |
| 62/ 61 | | .0 | .1 | .1 | .0 | .0 | .2 | .1 | .1 | | .0 | | | | | | | 18 | 18 | 392 | 24 |
| 60/ 59 | | | .1 | | | .1 | .0 | .0 | | .1 | | | | | | | | 10 | 10 | 440 | 36 |
| 58/ 57 | | | | .0 | .1 | | .1 | | | | | | | | | | | 6 | 6 | 266 | 56 |
| 56/ 55 | | | .0 | | | | | | | .0 | | | | | | | | 2 | 2 | 152 | 89 |
| 54/ 53 | | | .0 | | | | | | .0 | | | | | | | | | 2 | 2 | 128 | 109 |
| 52/ 51 | | | | | | | | | .0 | | | | | | | | | 1 | 1 | 78 | 136 |
| 50/ 49 | | .0 | | | | | | | | | | | | | | | | 1 | 1 | 51 | 163 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 17 | 178 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | 3 | 197 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 187 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | 3 | 164 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 195 |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | > 80 F | > 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | OCT MONTH

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

| Temp. (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 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 2 | 159 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 1 | 170 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 134 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 97 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 81 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 48 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 30 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 23 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 15 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 16 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 16 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 9 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 5 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 1 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 1 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 2 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 1 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 1 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | .0 | .3 | .6 | .6 | .8 | 1.4 | 2.4 | 3.6 | 5.0 | 5.9 | 8.4 | 12.1 | 14.3 | 14.7 | 14.2 | 10.0 | 5.8 | | 2412 | | 2412 |
| | | | | | | | | | | | | | | | | | | 2412 | | 2412 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 2022982 | 62630 | 26.0 | 12.819 | 2411 | | | | | | | |
| Dry Bulb | 16098254 | 201558 | 83.6 | 8.021 | 2412 | | | 90.0 | 83.9 | 58.3 | 10.7 | 93 |
| Wet Bulb | 8944835 | 146375 | 60.7 | 5.069 | 2412 | | | 10.6 | .7 | | | 93 |
| Dew Point | 4632529 | 102891 | 42.7 | 10.048 | 2412 | .0 | 13.4 | .4 | .0 | | | 93 |

USAF/AC FORM 0-26-5 (OL A) JUL 54 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | OCT MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| 106/105 | | | | | | | | | | | | | | | | | .1 | 2 | 2 | | |
| 102/101 | | | | | | | | | | | | | | | | | .2 | 4 | 4 | | |
| 100/ 99 | | | | | | | | | | | | | | .1 | .1 | .2 | 1.2 | 37 | 37 | | |
| 98/ 97 | | | | | | | | | | | | | .1 | | .1 | .8 | 2.1 | 76 | 76 | | |
| 96/ 95 | | | | | | | | | | | | .0 | .2 | .3 | 1.1 | 2.0 | 2.5 | 149 | 149 | | |
| 94/ 93 | | | | | | | | | | | | .1 | .3 | .7 | 2.2 | 2.4 | 2.9 | 209 | 209 | | |
| 92/ 91 | | | | | | | | | | | .1 | .4 | .3 | 1.4 | 1.7 | 2.4 | 1.4 | 186 | 186 | | |
| 90/ 89 | | | | | | | | .1 | | .2 | .3 | .5 | 1.1 | 1.7 | 1.9 | 3.3 | 1.8 | 264 | 264 | | |
| 88/ 87 | | | | | | | | | .1 | .2 | .4 | .5 | 1.7 | 2.4 | 3.5 | 2.4 | .4 | 280 | 280 | | |
| 86/ 85 | | | | | | | | .1 | .3 | .1 | .5 | .9 | 1.9 | 3.1 | 2.3 | .9 | .0 | 242 | 242 | | |
| 84/ 83 | | | | | | | .0 | .2 | .2 | .3 | .6 | 1.2 | 2.1 | 1.8 | 1.3 | .2 | | 188 | 188 | | |
| 82/ 81 | | | | | | .0 | .0 | .0 | .4 | .5 | 1.0 | 1.7 | 1.6 | .8 | 1.1 | .2 | | 179 | 179 | | |
| 80/ 79 | | | | | | .1 | .0 | .1 | .2 | .5 | .9 | 1.2 | 1.1 | 1.0 | .3 | .0 | | 132 | 132 | | |
| 78/ 77 | | | | | .0 | .1 | .2 | .4 | .6 | .6 | .7 | .8 | .9 | .6 | .1 | | | 121 | 121 | | |
| 76/ 75 | | | | | .0 | .2 | .2 | .3 | .7 | .4 | .6 | .7 | .5 | .4 | | | | 95 | 95 | 3 | |
| 74/ 73 | | | | .1 | .1 | .0 | .3 | .3 | .1 | .2 | .5 | .3 | .2 | .0 | | | | 51 | 51 | 8 | |
| 72/ 71 | | | .0 | | .1 | .2 | .5 | .1 | .2 | .4 | .6 | .1 | .1 | | | | | 55 | 55 | 32 | 1 |
| 70/ 69 | | .0 | .1 | .1 | | .2 | .1 | .2 | .3 | .4 | .5 | .1 | .0 | | | | | 51 | 51 | 73 | 1 |
| 68/ 67 | | .0 | | .0 | .2 | | .0 | | .2 | .2 | .1 | | | | | | | 18 | 18 | 149 | 3 |
| 66/ 65 | | .1 | | .1 | .1 | .0 | .1 | .0 | .5 | .0 | .1 | | | | | | | 29 | 29 | 274 | 13 |
| 64/ 63 | | .0 | .1 | .1 | | | .0 | .0 | .2 | .0 | .1 | | | | | | | 17 | 17 | 343 | 25 |
| 62/ 61 | | .0 | .1 | .1 | | | .0 | .2 | | | | | | | | | | 12 | 12 | 410 | 33 |
| 60/ 59 | | | .1 | .0 | | | | | | | | | | | | | | 4 | 4 | 461 | 27 |
| 58/ 57 | | | | .1 | | | | | | | | | | | | | | 2 | 2 | 257 | 51 |
| 56/ 55 | | | .0 | | | | | | | .1 | | | | | | | | 3 | 3 | 146 | 60 |
| 54/ 53 | | | | .1 | | | | | .0 | | | | | | | | | 4 | 4 | 109 | 84 |
| 52/ 51 | | | .2 | | | | | | | | | | | | | | | 4 | 4 | 81 | 105 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | 38 | 145 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 20 | 173 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | 4 | 201 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 3 | 182 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 179 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 177 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 3 | 170 |

| 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 | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITION'S OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | OCT MONTH

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

| Temp. (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 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 166 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 151 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 155 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 102 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 61 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 39 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 26 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 29 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 19 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 20 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 8 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 1 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 3 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 3 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | | .3 | .7 | .7 | .5 | .9 | 1.7 | 2.1 | 4.0 | 4.0 | 7.0 | 8.7 | 12.1 | 14.3 | 15.7 | 14.9 | 12.6 | | 2414 | | 2414 |
| | | | | | | | | | | | | | | | | | | 2414 | | 2414 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 1703235 | 56671 | 23.5 | 12.513 | 2414 | | | | | | | |
| Dry Bulb | 17709700 | 205800 | 85.3 | 8.262 | 2414 | | | 90.1 | 85.3 | 72.9 | 13.4 | 93 |
| Wet Bulb | 8979606 | 146754 | 60.8 | 4.903 | 2414 | | | 10.2 | .4 | | | 93 |
| Dew Point | 4341993 | 99543 | 41.2 | 9.916 | 2414 | | 18.0 | .2 | | | | 93 |

USAFETAC FORM 0-26-5 (CL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | OCT MONTH

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

| Temp. (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 | | | | | | | | | | | | | | | | .0 | .1 | 4 | 4 | | |
| 94/ 93 | | | | | | | | | | | .0 | | | .1 | .2 | .1 | .0 | 13 | 13 | | |
| 92/ 91 | | | | | | | | | | .0 | | .1 | .2 | .4 | .2 | .2 | .0 | 27 | 27 | | |
| 90/ 89 | | | | | | | | | .0 | | .1 | .3 | .4 | .8 | .5 | .2 | .0 | 59 | 59 | | |
| 88/ 87 | | | | | | | | | | .1 | .2 | .3 | 1.9 | .6 | .6 | .2 | .0 | 100 | 100 | | |
| 86/ 85 | | | | | | | | .0 | .3 | .1 | .5 | 1.3 | 1.0 | 1.4 | .5 | .0 | | 126 | 126 | | |
| 84/ 83 | | | | | | | .0 | .2 | .2 | .9 | 1.2 | 1.2 | 1.9 | .8 | .4 | .0 | | 165 | 165 | | |
| 82/ 81 | | | | | | | .2 | .1 | .7 | 1.3 | 2.1 | 1.9 | 1.8 | .6 | .1 | | | 210 | 210 | | |
| 80/ 79 | | | | | .1 | .3 | .1 | .3 | .7 | 1.8 | 3.0 | 1.8 | 1.0 | .5 | .1 | | | 235 | 235 | | |
| 78/ 77 | | | | | .1 | .1 | .1 | .5 | 1.0 | 2.2 | 1.8 | 2.0 | .5 | .1 | .2 | | | 210 | 210 | | |
| 76/ 75 | | | | .1 | | .0 | .3 | .9 | 1.7 | 2.3 | 2.5 | 1.2 | .4 | .0 | | | | 232 | 232 | | |
| 74/ 73 | .0 | | | .0 | .1 | .5 | .6 | 1.4 | 1.8 | 2.4 | 1.6 | .5 | .2 | .0 | | | | 221 | 221 | 5 | 1 |
| 72/ 71 | | | | .1 | .2 | .3 | .6 | 1.1 | 2.3 | 1.9 | 1.0 | .4 | .2 | | | | | 196 | 196 | 9 | |
| 70/ 69 | .0 | .2 | .3 | .3 | .2 | .2 | .8 | 1.5 | 1.5 | 1.1 | .9 | .2 | .1 | | | | | 176 | 176 | 39 | 2 |
| 68/ 67 | | .0 | .0 | .0 | .3 | .4 | .8 | 1.1 | 1.7 | .7 | .3 | .2 | | | | | | 135 | 135 | 60 | 9 |
| 66/ 65 | | | | .4 | .2 | .4 | .4 | 1.2 | 1.0 | .5 | .4 | .0 | | | | | | 104 | 104 | 137 | 19 |
| 64/ 63 | | .0 | .2 | .2 | .1 | .2 | .5 | .8 | .3 | .2 | .1 | | | | | | | 67 | 67 | 247 | 19 |
| 62/ 61 | | .1 | .1 | .2 | .1 | .1 | .7 | .4 | .2 | .0 | | | | | | | | 47 | 47 | 285 | 24 |
| 60/ 59 | | .2 | .2 | .2 | | .1 | .5 | .2 | .1 | .1 | | | | | | | | 37 | 37 | 385 | 34 |
| 58/ 57 | | .2 | .0 | .0 | .1 | .2 | .1 | .1 | .0 | | | | | | | | | 19 | 19 | 345 | 70 |
| 56/ 55 | | .0 | .2 | | .2 | .0 | .0 | .1 | | | | | | | | | | 15 | 15 | 331 | 91 |
| 54/ 53 | | | | | .0 | .0 | | | | | | | | | | | | 2 | 2 | 202 | 112 |
| 52/ 51 | | | .1 | | | .0 | .0 | | | | | | | | | | | 5 | 5 | 145 | 147 |
| 50/ 49 | | .1 | | .0 | | | | .1 | | | | | | | | | | 6 | 6 | 113 | 199 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 63 | 218 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | 32 | 198 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 6 | 215 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | 5 | 206 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | 1 | 177 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 192 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 2 | 143 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 85 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 71 |

| 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 | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | OCT MONTH

PAGE 2 | 1800-2000 HOURS (L. S. T.)

| Temp (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 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 46 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 36 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 27 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 13 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 20 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 11 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 10 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 10 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 4 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 3 |
| TOTAL | .1 | .9 | 1.2 | 1.6 | 2.0 | 3.0 | 5.8 | 9.9 | 13.6 | 15.7 | 15.2 | 11.7 | 9.6 | 5.4 | 2.7 | .8 | .3 | 2412 | 2412 | 2412 | 2412 | 2412 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 3281389 | 82187 | 34.1 | 14.124 | 2412 | | | | | | | |
| Dry Bulb | 14002046 | 182774 | 75.8 | 7.940 | 2412 | | | 81.4 | 61.8 | 32.1 | .7 | 93 |
| Wet Bulb | 8194350 | 139996 | 58.0 | 5.341 | 2412 | | | 4.4 | .2 | | | 93 |
| Dew Point | 4802254 | 105274 | 43.6 | 9.276 | 2412 | | 9.7 | .5 | .0 | | | 93 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | OCT MONTH

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

| Temp. (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 | .2 | .0 | | | | 14 | 14 | | |
| 84/ 83 | | | | | | | .0 | | .0 | .1 | .1 | .2 | .1 | | | | | 14 | 14 | | |
| 82/ 81 | | | | | | | .1 | | .1 | .3 | .1 | .4 | .2 | .0 | .0 | | | 31 | 31 | | |
| 80/ 79 | | | | | | .1 | .2 | .0 | .7 | .6 | .5 | .3 | .2 | | | | | 66 | 66 | | |
| 78/ 77 | | | | .1 | .1 | .2 | .5 | .7 | 1.2 | 1.0 | .7 | .5 | .1 | .1 | | | | 124 | 124 | | |
| 76/ 75 | | | .0 | .1 | .1 | .3 | .9 | 1.2 | 1.4 | 1.4 | .8 | .7 | .0 | .0 | | | | 170 | 171 | | |
| 74/ 73 | | | .1 | .3 | .1 | .3 | .9 | 1.6 | 1.9 | 1.2 | .5 | .4 | .0 | | | | | 177 | 177 | | |
| 72/ 71 | | | .2 | .0 | .3 | .8 | 1.7 | 1.6 | 1.9 | 1.5 | .7 | .0 | .1 | | | | | 216 | 216 | 8 | |
| 70/ 69 | | .0 | .3 | .2 | .4 | 1.1 | 1.9 | 2.6 | 2.1 | 1.6 | .4 | .1 | | | | | | 258 | 258 | 15 | 3 |
| 68/ 67 | | .1 | .5 | .3 | .3 | 1.2 | 2.2 | 2.6 | 2.6 | 1.5 | .5 | .1 | .0 | | | | | 288 | 288 | 28 | 10 |
| 66/ 65 | | .2 | .3 | .5 | .5 | 1.4 | 2.7 | 2.9 | 2.1 | .7 | .1 | .0 | | | | | | 277 | 277 | 58 | 22 |
| 64/ 63 | | | .5 | .5 | .7 | 1.4 | 1.8 | 2.4 | 1.6 | .4 | .3 | | | | | | | 232 | 232 | 104 | 24 |
| 62/ 61 | | .2 | .3 | .3 | .5 | .9 | 1.8 | 1.3 | 1.3 | .3 | .1 | | | | | | | 171 | 171 | 170 | 22 |
| 60/ 59 | | .3 | .4 | .3 | .5 | 1.5 | 1.3 | 1.1 | .3 | .1 | | | | | | | | 138 | 138 | 241 | 41 |
| 58/ 57 | .0 | .4 | .2 | .2 | .5 | 1.2 | 1.1 | .5 | .3 | .0 | | | | | | | | 107 | 107 | 283 | 66 |
| 56/ 55 | .0 | .1 | .2 | .2 | .3 | .4 | .4 | .2 | .0 | | | | | | | | | 56 | 56 | 313 | 99 |
| 54/ 53 | | .2 | | .2 | .4 | .2 | .2 | .2 | | | | | | | | | | 33 | 33 | 289 | 111 |
| 52/ 51 | | .1 | .0 | .4 | .2 | .1 | .1 | | | | | | | | | | | 22 | 22 | 298 | 134 |
| 50/ 49 | | .1 | | .2 | .1 | | | | | | | | | | | | | 10 | 10 | 236 | 172 |
| 48/ 47 | | .1 | .1 | .0 | | | .0 | | | | | | | | | | | 6 | 6 | 177 | 188 |
| 46/ 45 | | | | .0 | | .1 | | | | | | | | | | | | 3 | 3 | 114 | 192 |
| 44/ 43 | | | | | | .0 | | | | | | | | | | | | 1 | 1 | 51 | 200 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | 18 | 198 |
| 40/ 39 | | | | | | .1 | | | | | | | | | | | | 2 | 2 | 7 | 187 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 1 | 159 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 2 | 164 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 1 | 96 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 2 | 101 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 81 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 36 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 33 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 15 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 13 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 13 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | OCT MONTH

PAGE 2 | 2100-2300 HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 16 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 8 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 3 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 6 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 2 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | .1 | 1.8 | 3.1 | 4.0 | 5.6 | 11.3 | 17.8 | 18.9 | 17.6 | 10.7 | 4.9 | 2.8 | 1.2 | .2 | .0 | | | 2416 | 2417 | 2416 | 2416 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 5137874 | 104882 | 43.4 | 15.561 | 2416 | | | | | | | |
| Dry Bulb | 11148542 | 163288 | 67.6 | 6.962 | 2417 | | | 52.3 | 23.0 | 3.2 | | 93 |
| Wet Bulb | 7284601 | 131909 | 54.6 | 5.849 | 2416 | | .1 | 2.0 | | | | 93 |
| Dew Point | 4714751 | 104069 | 43.1 | 9.801 | 2416 | | 12.6 | .5 | | | | 93 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | NOV MONTH

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

| Temp. (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 |
| 72/ 71 | | | | | | | .0 | .0 | .0 | .0 | | | | | | | | 4 | 4 | | |
| 70/ 69 | | | | | | .0 | | | .2 | .1 | | | | | | | | 8 | 8 | | |
| 68/ 67 | | | | | | | .1 | .2 | .2 | .1 | | | | | | | | 15 | 15 | | |
| 66/ 65 | | .0 | | .1 | .4 | .1 | .1 | .1 | | .1 | | | | | | | | 22 | 22 | | |
| 64/ 63 | | | .3 | .1 | .3 | .3 | .3 | .2 | .3 | .0 | .2 | | | | | | | 48 | 48 | 1 | 1 |
| 62/ 61 | | .2 | .3 | .4 | .4 | .7 | .5 | .7 | .7 | .4 | .0 | | | | | | | 102 | 102 | 1 | |
| 60/ 59 | .1 | .4 | .3 | .6 | .8 | 1.3 | 1.4 | 1.4 | .5 | .1 | | | | | | | | 158 | 158 | 21 | 5 |
| 58/ 57 | | .4 | 1.0 | .9 | 1.0 | 1.3 | 2.1 | 1.3 | .4 | .0 | | | | | | | | 220 | 220 | 34 | 16 |
| 56/ 55 | .0 | .7 | 1.1 | .8 | 1.7 | 4.0 | 2.9 | 1.2 | .4 | .1 | | | | | | | | 297 | 297 | 51 | 21 |
| 54/ 53 | .1 | .2 | 1.5 | 1.3 | 2.8 | 2.5 | 1.7 | 1.0 | .5 | .0 | | | | | | | | 268 | 268 | 93 | 35 |
| 52/ 51 | .1 | .8 | 1.0 | 1.8 | 2.6 | 2.4 | 1.4 | .7 | .3 | | | | | | | | | 250 | 250 | 107 | 48 |
| 50/ 49 | .0 | .4 | 1.5 | 2.3 | 3.1 | 2.1 | 1.4 | .5 | .0 | | | | | | | | | 262 | 262 | 157 | 62 |
| 48/ 47 | | .5 | 1.5 | 2.0 | 2.7 | 1.3 | .9 | .2 | .1 | | | | | | | | | 209 | 209 | 229 | 68 |
| 46/ 45 | | .5 | 1.2 | 1.7 | 2.2 | 1.5 | .2 | | | | | | | | | | | 166 | 166 | 378 | 74 |
| 44/ 43 | .0 | .5 | .7 | 1.3 | 1.6 | .6 | .1 | | | | | | | | | | | 111 | 111 | 324 | 97 |
| 42/ 41 | | .3 | .6 | 1.0 | .8 | .2 | .0 | | | | | | | | | | | 70 | 70 | 263 | 131 |
| 40/ 39 | | .1 | .8 | .4 | .2 | .0 | .1 | | | | | | | | | | | 38 | 38 | 222 | 149 |
| 38/ 37 | | .5 | .6 | .0 | .2 | .0 | .0 | | | | | | | | | | | 32 | 32 | 199 | 178 |
| 36/ 35 | | .2 | .2 | .0 | .0 | | | | | | | | | | | | | 12 | 12 | 134 | 198 |
| 34/ 33 | | | .0 | | | | | | | | | | | | | | | 1 | 1 | 59 | 196 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 10 | 224 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | 7 | 187 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 3 | 116 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 133 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 97 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 62 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 54 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 53 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 22 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 18 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 16 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 8 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 9 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 0 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) 1 REVIS. O PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | NOV MONTH

PAGE 2 | 0000-0200 HOURS (L. S. T.)

| Temp (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 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 2 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 3 |
| ~~6/ 7~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| ~~8/ 9~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| ~~10/11~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| ~~12/13~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| TOTAL | .4 | 6.0 | 12.5 | 14.7 | 21.0 | 19.0 | 13.4 | 8.0 | 3.6 | 1.2 | .2 | | | | | | | 2293 | 2293 | 2293 | 2293 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 7132012 | 120848 | 52.7 | 18.245 | 2293 | | | | | | | |
| Dry Bulb | 6342229 | 119721 | 52.2 | 6.315 | 2293 | | | 1.1 | | | | 90 |
| Wet Bulb | 4528353 | 101045 | 44.1 | 5.744 | 2293 | | .6 | | | | | 90 |
| Dew Point | 2876824 | 77942 | 34.0 | 9.062 | 2293 | .3 | 39.8 | | | | | 90 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REPLACES PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | NOV MONTH

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

| Temp (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 |
| 72/ 71 | | | | | | | | | | | .0 | | | | | | | 1 | 1 | | |
| 70/ 69 | | | | | | | | | .0 | | .0 | | | | | | | 2 | 2 | | |
| 68/ 67 | | | | | .0 | | | | | .1 | | | | | | | | 3 | 3 | | |
| 66/ 65 | | | | .0 | .2 | .3 | .2 | .1 | .0 | .0 | .1 | | | | | | | 22 | 22 | | |
| 64/ 63 | | | .1 | .2 | .0 | .1 | .2 | | .0 | .1 | .0 | | | | | | | 17 | 17 | | |
| 62/ 61 | | .1 | .2 | .5 | .3 | .3 | .2 | .0 | .1 | | | | | | | | | 39 | 39 | 3 | |
| 60/ 59 | .0 | .3 | .5 | .5 | .4 | .4 | .3 | .6 | .4 | .1 | | | | | | | | 82 | 82 | 9 | 5 |
| 58/ 57 | | .8 | 1.1 | .6 | .6 | .7 | 1.3 | 1.0 | .5 | .1 | | | | | | | | 153 | 153 | 29 | 14 |
| 56/ 55 | | .3 | .7 | .8 | .8 | 1.7 | 1.6 | .9 | .1 | | | | | | | | | 159 | 159 | 53 | 14 |
| 54/ 53 | .1 | .7 | 1.3 | 1.1 | 2.2 | 2.5 | 1.7 | .4 | .1 | | | | | | | | | 234 | 234 | 61 | 34 |
| 52/ 51 | .0 | 1.0 | 1.0 | 2.6 | 2.8 | 3.0 | 1.2 | .8 | .4 | | | | | | | | | 295 | 295 | 72 | 48 |
| 50/ 49 | .2 | .7 | 1.4 | 3.1 | 3.8 | 2.4 | 1.2 | .4 | .1 | | | | | | | | | 301 | 301 | 114 | 62 |
| 48/ 47 | .0 | .7 | 2.3 | 3.0 | 2.3 | 1.0 | .6 | .2 | | | | | | | | | | 231 | 231 | 132 | 53 |
| 46/ 45 | | .6 | 2.0 | 2.8 | 2.3 | 1.1 | .4 | .1 | | | | | | | | | | 218 | 218 | 269 | 75 |
| 44/ 43 | | .8 | 1.5 | 2.4 | 2.1 | .8 | .2 | | | | | | | | | | | 180 | 180 | 368 | 86 |
| 42/ 41 | | 1.0 | 1.5 | 2.0 | 1.5 | .7 | .1 | | | | | | | | | | | 157 | 157 | 318 | 98 |
| 40/ 39 | | .4 | 1.1 | 1.5 | 1.2 | .1 | | | | | | | | | | | | 100 | 100 | 273 | 157 |
| 38/ 37 | .0 | .4 | .5 | .7 | .1 | | | | | | | | | | | | | 40 | 40 | 207 | 162 |
| 36/ 35 | | .8 | .7 | .1 | .1 | .1 | | | | | | | | | | | | 41 | 41 | 176 | 213 |
| 34/ 33 | | .2 | .2 | | .1 | | | | | | | | | | | | | 11 | 11 | 120 | 205 |
| 32/ 31 | .1 | .1 | | | | | | | | | | | | | | | | 4 | 4 | 70 | 214 |
| 30/ 29 | | .0 | | | | | | | | | | | | | | | | 1 | 1 | 11 | 185 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 2 | 150 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | 4 | 135 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 106 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 86 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 56 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 46 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 28 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 15 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 11 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 6 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 8 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 3 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) NOV (MONTH)

PAGE 2 0300-0500 (HOURS (L. S. T.))

| Temp. (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 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 8 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 3 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 3 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | .6 | 8.9 | 16.2 | 22.0 | 21.0 | 15.2 | 9.2 | 4.4 | 2.0 | .4 | .3 | | | | | | | 2291 | 2291 | 2291 | 2291 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 8180298 | 130272 | 56.9 | 18.369 | 2291 | | | | | | | |
| Dry Bulb | 5681056 | 113132 | 49.4 | 6.423 | 2291 | | .2 | .2 | | | | 90 |
| Wet Bulb | 4200641 | 97151 | 42.4 | 5.944 | 2291 | | 3.4 | | | | | 90 |
| Dew Point | 2777709 | 76565 | 33.4 | 9.777 | 2291 | .2 | 41.8 | | | | | 90 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | NOV MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 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 | TOTAL D.B. W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 72/ 71 | | | | | | | | | | | .1 | | | | | | | 2 | 2 | | |
| 70/ 69 | | | | | | | | .0 | | .0 | .1 | | | | | | | 4 | 4 | | |
| 68/ 67 | | | | | .0 | | | | .0 | .1 | | | | | | | | 4 | 4 | | |
| 66/ 65 | | | .0 | .1 | | .0 | .1 | | .0 | .0 | | | | | | | | 8 | 8 | | |
| 64/ 63 | | .1 | | .3 | .1 | .1 | .2 | .3 | .1 | .0 | .2 | | | | | | | 30 | 30 | 1 | |
| 62/ 61 | | | .2 | .2 | .3 | .2 | .2 | .1 | .3 | .0 | | | | | | | | 39 | 39 | 3 | 1 |
| 60/ 59 | | .3 | .4 | .5 | .7 | .3 | .9 | .2 | .3 | .1 | | | | | | | | 89 | 89 | 6 | 2 |
| 58/ 57 | .0 | .5 | .7 | .8 | .4 | .7 | 1.4 | .9 | .2 | | | | | | | | | 128 | 128 | 28 | 12 |
| 56/ 55 | .0 | .9 | .7 | .7 | 1.0 | 1.4 | 1.1 | 1.0 | .4 | | | | | | | | | 164 | 164 | 35 | 21 |
| 54/ 53 | | .8 | 1.2 | 1.0 | 1.7 | 1.5 | 1.6 | .8 | .2 | | | | | | | | | 201 | 201 | 63 | 28 |
| 52/ 51 | .0 | .7 | 1.1 | 1.5 | 2.5 | 2.6 | 1.0 | .3 | .3 | | | | | | | | | 229 | 229 | 88 | 38 |
| 50/ 49 | .3 | .6 | 2.0 | 3.0 | 3.5 | 1.9 | 1.4 | .3 | | | | | | | | | | 296 | 296 | 94 | 57 |
| 48/ 47 | .1 | .7 | 1.9 | 3.6 | 2.4 | 1.0 | .5 | .1 | | | | | | | | | | 236 | 236 | 156 | 61 |
| 46/ 45 | .0 | 1.0 | 2.5 | 3.4 | 1.9 | 1.8 | .5 | .2 | | | | | | | | | | 262 | 262 | 233 | 65 |
| 44/ 43 | | .6 | 2.5 | 2.4 | 1.3 | .6 | .2 | | | | | | | | | | | 171 | 171 | 318 | 89 |
| 42/ 41 | | .7 | 1.5 | 2.1 | 1.8 | .3 | .0 | | | | | | | | | | | 149 | 149 | 351 | 97 |
| 40/ 39 | | .7 | 1.5 | 2.4 | 1.1 | .1 | | | | | | | | | | | | 132 | 132 | 248 | 125 |
| 38/ 37 | .1 | .3 | 1.2 | 1.0 | .3 | .1 | | | | | | | | | | | | 70 | 70 | 224 | 199 |
| 36/ 35 | | .3 | .8 | .3 | .1 | | | | | | | | | | | | | 34 | 34 | 200 | 215 |
| 34/ 33 | | .6 | .5 | .1 | | | | | | | | | | | | | | 27 | 27 | 134 | 211 |
| 32/ 31 | .0 | .3 | .1 | .1 | | | | | | | | | | | | | | 14 | 14 | 74 | 205 |
| 30/ 29 | | .1 | | | | | | | | | | | | | | | | 2 | 2 | 28 | 199 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 5 | 165 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | 2 | 124 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 115 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 88 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 49 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 46 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 24 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 13 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 8 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 16 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 6 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 7 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | > 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | NOV MONTH

PAGE 2 | 0600-0800 HOURS (L. S. T.)

| Temp. (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 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 3 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 1 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | .7 | 9.4 | 18.6 | 23.3 | 19.1 | 12.8 | 9.1 | 4.3 | 1.8 | .3 | .3 | | | | | | | | 2291 | | 2291 |
| | | | | | | | | | | | | | | | | | | 2291 | | 2291 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 8453338 | 132734 | 57.9 | 16.255 | 2291 | | | | | | | |
| Dry Bulb | 5554307 | 111725 | 48.8 | 6.798 | 2291 | | .6 | .4 | | | | 90 |
| Wet Bulb | 4129161 | 96259 | 42.0 | 6.083 | 2291 | | 4.3 | | | | | 90 |
| Dew Point | 2752839 | 76397 | 33.3 | 9.467 | 2291 | .0 | 42.0 | | | | | 90 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | NOV MONTH

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

| Temp. (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 | .0 | .0 | | | 3 | 3 | | |
| 82/ 81 | | | | | | | | | | | | | .1 | .0 | | | | 3 | 3 | | |
| 80/ 79 | | | | | | | | | | | .1 | .1 | .3 | .1 | | | | 13 | 13 | | |
| 78/ 77 | | | | | | | | | .1 | .0 | .5 | .3 | .3 | .1 | .0 | | | 31 | 31 | | |
| 76/ 75 | | | | | | | | .0 | .1 | .1 | .8 | .7 | .3 | .2 | .0 | | | 53 | 53 | | |
| 74/ 73 | | | | | | | .1 | .3 | .3 | .5 | 1.3 | 1.0 | .1 | .2 | | | | 89 | 88 | | |
| 72/ 71 | | | | | | .1 | .0 | .4 | .4 | 1.1 | 1.7 | 1.0 | .2 | .0 | | | | 115 | 115 | | |
| 70/ 69 | | | | | .3 | .3 | .3 | .8 | 1.3 | 2.0 | 1.3 | .6 | .2 | .0 | | | | 160 | 160 | | |
| 68/ 67 | | | .4 | .1 | .2 | .3 | .9 | 1.3 | 1.5 | 1.6 | .9 | .4 | .0 | | | | | 164 | 164 | | |
| 66/ 65 | | | .0 | .4 | .1 | .5 | 1.0 | 1.4 | 2.4 | 1.7 | .8 | .0 | .0 | | | | | 193 | 193 | 1 | |
| 64/ 63 | | | .3 | .7 | .4 | .7 | 1.7 | 1.9 | 1.4 | 1.6 | .5 | .1 | | | | | | 214 | 214 | 1 | 1 |
| 62/ 61 | | .1 | .3 | .4 | .6 | 1.0 | 2.1 | 1.8 | 2.2 | .8 | .3 | .1 | | | | | | 222 | 222 | 24 | |
| 60/ 59 | | .2 | .4 | .6 | 1.0 | 1.5 | 2.1 | 2.2 | 1.6 | .6 | .1 | | | | | | | 236 | 236 | 57 | 5 |
| 58/ 57 | | .1 | .3 | .6 | 1.4 | 1.7 | 2.4 | 1.6 | .7 | .2 | | | | | | | | 204 | 204 | 84 | 14 |
| 56/ 55 | | .5 | .7 | .9 | 1.4 | 1.4 | 1.2 | 1.0 | .5 | .2 | | | | | | | | 178 | 178 | 157 | 39 |
| 54/ 53 | .0 | .3 | .4 | 1.0 | 1.2 | 1.2 | .7 | .5 | .3 | .0 | | | | | | | | 126 | 126 | 25 | 34 |
| 52/ 51 | .0 | .2 | .6 | .4 | 1.2 | .8 | .6 | .1 | .2 | | | | | | | | | 99 | 99 | 313 | 51 |
| 50/ 49 | | .1 | .3 | .8 | 1.3 | 1.0 | .2 | .2 | | | | | | | | | | 87 | 87 | 338 | 51 |
| 48/ 47 | | .1 | .1 | .5 | 1.0 | .2 | | | | | | | | | | | | 45 | 45 | 319 | 83 |
| 46/ 45 | .0 | .1 | .2 | .3 | .2 | .3 | .0 | .0 | | | | | | | | | | 29 | 29 | 276 | 94 |
| 44/ 43 | .0 | .0 | .2 | .2 | .1 | | | | | | | | | | | | | 12 | 12 | 199 | 131 |
| 42/ 41 | | .1 | .1 | .1 | .1 | | | | | | | | | | | | | 9 | 9 | 133 | 135 |
| 40/ 39 | | .0 | .1 | .0 | | | | | | | | | | | | | | 4 | 4 | 87 | 181 |
| 38/ 37 | | .0 | .1 | | | | | | | | | | | | | | | 3 | 3 | 31 | 177 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 16 | 209 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 4 | 191 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 1 | 188 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 151 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 107 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 116 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 92 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 73 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 38 |

| Element (x) | $\Sigma x'$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | 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 | | | | | | | | | | | | |

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
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DATA PROCESSING BRANCH
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AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (YEARS) NOV (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 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 | TOTAL D.B. W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 27 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 38 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 16 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 14 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 13 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 8 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 5 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 3 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 2 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 1 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 2 |
| ~~-6/ -7~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| ~~-8/ -9~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| TOTAL | .2 | 2.0 | 4.0 | 7.0 | 10.3 | 11.2 | 13.5 | 13.7 | 12.9 | 10.4 | 8.2 | 4.2 | 1.7 | .7 | .1 | .0 | | 2292 | | 2292 | 2292 |
| | | | | | | | | | | | | | | | | | 2292 | | 2292 | | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | 4492684 | 92522 | 40.4 | 18.187 | 2292 | | | | | | | |
| Dry Bulb | 8041009 | 141235 | 61.6 | 7.761 | 2292 | | | 24.8 | 7.5 | .5 | | 90 |
| Wet Bulb | 5543316 | 112072 | 48.9 | 5.258 | 2292 | | .0 | | | | | 90 |
| Dew Point | 3014414 | 79826 | 34.8 | 10.111 | 2292 | .2 | 35.2 | | | | | 90 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION — LUKE AFB ARIZONA/PHOENIX STATION NAME — 42-46,51-71 YEARS — NOV MONTH

PAGE 1 — 1200-1400 HOURS (L. S. T.)

| Temp. (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 |
| 90/ 89 | | | | | | | | | | | | | | | .1 | | .0 | 3 | 3 | | |
| 88/ 87 | | | | | | | | | | | | | | .3 | .1 | .3 | | 14 | 14 | | |
| 86/ 85 | | | | | | | | | | | .0 | .0 | .2 | .3 | .7 | .0 | | 30 | 30 | | |
| 84/ 83 | | | | | | | | | | .0 | .1 | .2 | 1.0 | 1.2 | .7 | | | 71 | 71 | | |
| 82/ 81 | | | | | | | | | | .0 | .1 | .5 | 1.5 | 1.3 | .5 | .1 | | 93 | 93 | | |
| 80/ 79 | | | | | | | | | .0 | .2 | .7 | 2.0 | 2.6 | 1.7 | .3 | .1 | | 175 | 175 | | |
| 78/ 77 | | | | | | | | | .1 | .5 | 1.1 | 2.6 | 2.2 | .8 | .7 | | | 184 | 184 | | |
| 76/ 75 | | | | | .0 | .0 | | .1 | .3 | .8 | 2.4 | 2.7 | 1.7 | .4 | .0 | | | 197 | 197 | | |
| 74/ 73 | | | | | .0 | .2 | .4 | .6 | .7 | 2.0 | 2.1 | 2.4 | 1.3 | .4 | .0 | | | 235 | 235 | | |
| 72/ 71 | | | | .0 | | .3 | .5 | .9 | 1.2 | 2.2 | 1.6 | 2.0 | .6 | .0 | | | | 215 | 215 | | |
| 70/ 69 | | | | .0 | .2 | .3 | .4 | 1.2 | 1.7 | 1.5 | 2.4 | 1.1 | .4 | | | | | 213 | 213 | | |
| 68/ 67 | | | | .1 | .2 | .2 | .4 | 1.1 | 1.6 | 1.5 | 1.5 | .6 | .1 | | | | | 170 | 170 | 1 | |
| 66/ 65 | | | .2 | .2 | .3 | .7 | .9 | 1.3 | 1.8 | 1.6 | .6 | .5 | | | | | | 185 | 185 | 5 | |
| 64/ 63 | | | .1 | .2 | .5 | .6 | 1.1 | 1.4 | 1.2 | 1.2 | .5 | .1 | | | | | | 159 | 159 | 15 | 2 |
| 62/ 61 | | .1 | .0 | .2 | .2 | .5 | .7 | 1.4 | 1.1 | .6 | .0 | | | | | | | 112 | 112 | 69 | 3 |
| 60/ 59 | | .0 | .1 | .1 | .4 | .7 | .6 | .7 | .6 | .1 | .1 | | | | | | | 81 | 81 | 136 | 7 |
| 58/ 57 | | .1 | .4 | .3 | .2 | .2 | .6 | .3 | .2 | .2 | | | | | | | | 58 | 58 | 287 | 16 |
| 56/ 55 | | .2 | .3 | .0 | .4 | .3 | .3 | .2 | .1 | | | | | | | | | 44 | 44 | 382 | 21 |
| 54/ 53 | | .0 | | .0 | .1 | .2 | .0 | .2 | .0 | | | | | | | | | 15 | 15 | 366 | 38 |
| 52/ 51 | | .0 | .1 | .1 | .2 | .1 | .1 | | | | | | | | | | | 15 | 15 | 329 | 55 |
| 50/ 49 | | .1 | | .0 | .1 | .0 | | | | | | | | | | | | 7 | 7 | 267 | 56 |
| 48/ 47 | | | .0 | .1 | .0 | | | | | | | | | | | | | 4 | 4 | 206 | 64 |
| 46/ 45 | | | | .0 | | | | | | | | | | | | | | 1 | 1 | 126 | 82 |
| 44/ 43 | | .1 | .1 | | | | | | | | | | | | | | | 5 | 5 | 53 | 130 |
| 42/ 41 | | .0 | | | | | | | | | | | | | | | | 1 | 1 | 31 | 157 |
| 40/ 39 | .0 | | | | | | | | | | | | | | | | | 1 | 1 | 12 | 191 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 1 | 182 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 194 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 194 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 185 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 139 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 116 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 107 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 86 |

| 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 | | | | | | | | | | | | |

USAFETAC FORM 0-26.5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# PSYCHROMETRIC SUMMARY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,52-71 (YEARS) NOV (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 71 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 49 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 30 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 30 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 25 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 16 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 12 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 12 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 9 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 4 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 2 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 1 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 1 |
| ~~-6/ -7~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| TOTAL | .0 | .8 | 1.4 | 1.5 | 2.9 | 4.5 | 6.0 | 9.5 | 10.9 | 12.6 | 13.4 | 14.9 | 11.5 | 6.3 | 3.1 | .6 | .0 | 2288 | 2288 | 2288 | 2288 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 2569094 | 67922 | 29.7 | 15.546 | 2288 | | | | | | | |
| Dry Bulb | 11565735 | 161695 | 70.7 | 7.785 | 2288 | | | 62.9 | 39.4 | 11.6 | | 90 |
| Wet Bulb | 6438183 | 120897 | 52.8 | 4.617 | 2288 | | | .0 | | | | 90 |
| Dew Point | 2983410 | 79248 | 34.6 | 10.213 | 2288 | .1 | 35.2 | | | | | 90 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | NOV MONTH

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

| Temp. (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 | | | | | | | | | | | | | | | | .0 | | 1 | 1 | | |
| 90/ 89 | | | | | | | | | | | | | | | .1 | .0 | .1 | 6 | 6 | | |
| 88/ 87 | | | | | | | | | | | | | | .1 | .3 | .5 | | 21 | 21 | | |
| 86/ 85 | | | | | | | | | | | .0 | .1 | .4 | 1.0 | 1.1 | .2 | | 67 | 67 | | |
| 84/ 83 | | | | | | | | | | | .1 | .1 | 1.0 | 1.5 | 1.1 | .1 | .0 | 90 | 90 | | |
| 82/ 81 | | | | | | | | | | .1 | .3 | .7 | 2.1 | 1.9 | 1.0 | .1 | | 140 | 140 | | |
| 80/ 79 | | | | | | | | | | .1 | .4 | 1.8 | 3.4 | 1.9 | .7 | .1 | | 193 | 193 | | |
| 78/ 77 | | | | | | | .2 | .1 | .3 | .5 | 1.7 | 2.9 | 1.9 | 1.1 | .2 | | | 205 | 205 | | |
| 76/ 75 | | | | | | | .2 | .3 | .3 | 1.2 | 2.7 | 1.7 | 1.9 | .7 | .2 | | | 207 | 207 | | |
| 74/ 73 | | | | | | .0 | .3 | .4 | .6 | 1.8 | 2.7 | 2.0 | 1.8 | .4 | .0 | | | 230 | 230 | | |
| 72/ 71 | | | | | | .3 | .5 | .4 | 1.1 | 2.3 | 1.8 | 1.7 | .5 | | | | | 195 | 195 | | |
| 70/ 69 | | | | | .0 | .2 | .5 | .6 | 1.4 | 2.3 | 2.7 | .8 | .1 | .1 | | | | 202 | 202 | | |
| 68/ 67 | | | | .0 | .3 | .4 | .7 | .9 | 1.8 | 1.6 | 1.1 | .7 | .2 | | | | | 175 | 175 | | |
| 66/ 65 | | | .2 | .2 | .2 | .6 | 1.0 | 1.0 | 1.6 | 1.4 | .9 | .3 | .1 | | | | | 166 | 166 | 9 | |
| 64/ 63 | | | .2 | .0 | .3 | .5 | .4 | .7 | 1.2 | 1.4 | .4 | | | | | | | 119 | 119 | 21 | |
| 62/ 61 | | | | | .1 | .5 | .5 | .6 | 1.1 | .7 | .4 | | | | | | | 87 | 87 | 74 | 2 |
| 60/ 59 | | | .2 | .3 | .3 | .2 | .7 | .6 | .3 | .1 | .1 | | | | | | | 61 | 61 | 162 | 9 |
| 58/ 57 | | .0 | .1 | .1 | .2 | .3 | .5 | .4 | .1 | .2 | | | | | | | | 45 | 45 | 323 | 11 |
| 56/ 55 | | .2 | .1 | .3 | .3 | .1 | .3 | .0 | .0 | .0 | | | | | | | | 32 | 32 | 399 | 21 |
| 54/ 53 | | .1 | .2 | .0 | .1 | .0 | .1 | .0 | | | | | | | | | | 14 | 14 | 362 | 38 |
| 52/ 51 | | .1 | .1 | .0 | .2 | .2 | | .0 | .0 | | | | | | | | | 16 | 16 | 314 | 43 |
| 50/ 49 | | .0 | | .1 | .0 | | .0 | | | | | | | | | | | 3 | 3 | 264 | 53 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 160 | 59 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | 118 | 91 |
| 44/ 43 | | .1 | .0 | | | | | | | | | | | | | | | 4 | 4 | 45 | 108 |
| 42/ 41 | | .2 | | | | | | | | | | | | | | | | 4 | 4 | 23 | 141 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | 8 | 163 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 3 | 225 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 231 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 172 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 138 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 168 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 116 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 135 |

| 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 | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
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AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | NOV MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 110 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 76 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 41 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 39 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 20 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 22 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 14 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 12 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 9 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 7 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 5 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 1 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 1 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 3 |
| ~~-6/ -7~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| TOTAL | | .8 | 1.2 | 1.1 | 2.1 | 3.4 | 5.8 | 6.1 | 9.8 | 13.7 | 15.1 | 12.8 | 13.4 | 8.7 | 4.7 | 1.1 | .2 | | 2285 | | 2285 |
| | | | | | | | | | | | | | | | | | | 2285 | | 2285 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 2275573 | 63743 | 27.9 | 14.757 | 2285 | | | | | | | |
| Dry Bulb | 12000988 | 164612 | 72.0 | 7.893 | 2285 | | | 68.2 | 45.7 | 16.7 | .0 | 90 |
| Wet Bulb | 6537959 | 121765 | 53.3 | 4.643 | 2285 | | | | | | | 90 |
| Dew Point | 2914454 | 78344 | 34.3 | 9.999 | 2285 | .2 | 36.2 | | | | | 90 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | NOV MONTH

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

| Temp. (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 |
| 82/ 81 | | | | | | | | | | .0 | | | | | | | | 1 | 1 | | |
| 80/ 79 | | | | | | | | | | | | .0 | .1 | | | | | 3 | 3 | | |
| 78/ 77 | | | | | | | | | .1 | .1 | .2 | .3 | .1 | .0 | | | | 19 | 19 | | |
| 76/ 75 | | | | | | .1 | | .1 | .1 | .5 | 1.0 | .2 | | .0 | | | | 48 | 48 | | |
| 74/ 73 | | | | | .1 | | .1 | .3 | .3 | 1.0 | .8 | .6 | .0 | | | | | 76 | 76 | | |
| 72/ 71 | | | | .0 | .0 | .1 | .2 | .5 | .7 | 1.4 | .8 | .4 | .0 | .0 | | | | 100 | 100 | | |
| 70/ 69 | | | .0 | | .1 | .2 | .4 | 1.2 | 2.4 | 1.7 | .5 | .2 | .0 | | | | | 156 | 156 | | |
| 68/ 67 | | | | .1 | .7 | .3 | .8 | 1.7 | 2.7 | 1.1 | .4 | .2 | | | | | | 184 | 184 | | |
| 66/ 65 | | | .1 | .3 | .4 | 1.1 | 1.7 | 2.5 | 2.4 | .8 | .2 | .0 | | | | | | 222 | 222 | 8 | |
| 64/ 63 | | | .3 | .4 | .6 | 1.4 | 2.1 | 3.1 | 2.0 | .6 | .2 | .0 | | | | | | 246 | 246 | 1 | 2 |
| 62/ 61 | | .3 | .3 | .6 | 1.0 | 2.0 | 2.9 | 2.5 | 1.6 | .5 | .1 | .0 | | | | | | 270 | 270 | 22 | 2 |
| 60/ 59 | | .0 | .2 | .6 | 1.3 | 2.0 | 2.5 | 1.8 | 1.3 | .4 | .1 | | | | | | | 234 | 234 | 62 | 11 |
| 58/ 57 | | | .3 | .5 | 1.2 | 2.1 | 2.4 | 2.2 | .7 | .0 | | | | | | | | 217 | 217 | 96 | 20 |
| 56/ 55 | | .3 | .5 | .5 | .9 | 1.7 | 1.7 | 1.4 | .5 | .0 | | | | | | | | 172 | 172 | 217 | 27 |
| 54/ 53 | | .0 | .5 | .5 | .9 | 1.4 | 1.3 | .9 | .2 | | | | | | | | | 131 | 131 | 286 | 36 |
| 52/ 51 | | .3 | .4 | .6 | .7 | .8 | .5 | .0 | .0 | | | | | | | | | 78 | 78 | 343 | 52 |
| 50/ 49 | | .2 | .4 | .6 | .4 | .7 | .3 | .1 | | | | | | | | | | 62 | 62 | 341 | 68 |
| 48/ 47 | | | .2 | .4 | .5 | .2 | .0 | .0 | | | | | | | | | | 31 | 31 | 274 | 95 |
| 46/ 45 | | .1 | .1 | .2 | .2 | .0 | .1 | | | | | | | | | | | 16 | 16 | 232 | 123 |
| 44/ 43 | | .2 | .3 | | .0 | | .1 | | | | | | | | | | | 15 | 15 | 185 | 171 |
| 42/ 41 | | .1 | .1 | .0 | | | | | | | | | | | | | | 6 | 6 | 131 | 187 |
| 40/ 39 | | .1 | | | | | | | | | | | | | | | | 3 | 3 | 56 | 207 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 26 | 240 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 6 | 238 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 4 | 160 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 143 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 110 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 99 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 84 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 67 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 54 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 22 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 23 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 11 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | NOV MONTH

PAGE 2 | 1800-2000 HOURS (L. S. T.)

| Temp. (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 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 10 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 7 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 2 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 9 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 1 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 4 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 4 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | | 1.7 | 3.8 | 5.4 | 9.0 | 14.1 | 17.2 | 18.5 | 15.2 | 8.3 | 4.3 | 2.0 | .3 | .1 | | | | 2290 | 2290 | | 2290 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 4649457 | 96465 | 42.1 | 15.999 | 2290 | | | | | | | |
| Dry Bulb | 8854280 | 141500 | 61.8 | 6.962 | 2290 | | | 23.1 | 3.8 | .1 | | 90 |
| Wet Bulb | 5704587 | 113669 | 49.6 | 5.221 | 2290 | | | | | | | 90 |
| Dew Point | 3313266 | 84466 | 36.9 | 9.295 | 2290 | .0 | 25.6 | | | | | 90 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
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# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 42-46,51-71 YEARS | NOV MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B. W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | | | | |
| 78/ 75 | | | | | | | | | .0 | | | | | | | | | 1 | 1 | | |
| 74/ 73 | | | | | | | | | | .1 | | | | | | | | 3 | 3 | | |
| 72/ 71 | | | | | .1 | | | .1 | | .1 | | | | | | | | 6 | 6 | | |
| 70/ 69 | | | | .0 | | .1 | .1 | .1 | .2 | .0 | | .0 | | | | | | 15 | 15 | | |
| 68/ 67 | | | | .1 | .2 | .1 | .2 | .2 | .6 | .1 | .1 | | | | | | | 37 | 37 | | |
| 66/ 65 | | .1 | .2 | .1 | .2 | .4 | .6 | .3 | .6 | .3 | .1 | | | | | | | 63 | 63 | 1 | |
| 64/ 63 | | | .3 | .1 | .5 | .2 | 1.0 | 1.4 | .8 | .6 | .1 | | | | | | | 128 | 128 | 4 | 3 |
| 62/ 61 | | .2 | .6 | .4 | .8 | 1.2 | 1.8 | 2.2 | .8 | .0 | .0 | | | | | | | 186 | 186 | 8 | |
| 60/ 59 | | .4 | .6 | 1.2 | 1.6 | 2.3 | 2.5 | 2.8 | .8 | .3 | .0 | | | | | | | 289 | 289 | 23 | 7 |
| 58/ 57 | | .4 | 1.0 | .9 | 1.7 | 2.7 | 2.7 | 1.4 | .9 | .4 | .1 | | | | | | | 279 | 279 | 43 | 19 |
| 56/ 55 | | .1 | 1.2 | 1.5 | 2.3 | 2.3 | 2.6 | 1.2 | .7 | .0 | | | | | | | | 274 | 274 | 75 | 21 |
| 54/ 53 | | .3 | .5 | 1.3 | 2.6 | 2.5 | 2.4 | 1.3 | .5 | .1 | | | | | | | | 264 | 264 | 133 | 35 |
| 52/ 51 | .0 | .5 | 1.1 | 1.6 | 2.3 | 2.0 | 1.6 | .6 | .2 | | | | | | | | | 226 | 226 | 184 | 56 |
| 50/ 49 | | .4 | .5 | 1.6 | 2.6 | 2.2 | 1.2 | .5 | .0 | | | | | | | | | 214 | 214 | 253 | 58 |
| 48/ 47 | | .5 | .9 | .8 | 1.2 | 1.1 | .3 | .1 | | | | | | | | | | 114 | 114 | 316 | 101 |
| 46/ 45 | | .4 | .7 | .8 | 1.2 | .5 | .1 | .1 | | | | | | | | | | 87 | 87 | 342 | 96 |
| 44/ 43 | | .2 | .3 | .7 | .3 | .1 | .1 | | | | | | | | | | | 39 | 39 | 283 | 126 |
| 42/ 41 | | .1 | .4 | .3 | .2 | .1 | .1 | | | | | | | | | | | 29 | 29 | 236 | 144 |
| 40/ 39 | | .4 | .6 | .1 | .1 | | | | | | | | | | | | | 27 | 27 | 183 | 180 |
| 38/ 37 | | .2 | .0 | .0 | | .1 | | | | | | | | | | | | 8 | 8 | 137 | 201 |
| 36/ 35 | | .1 | | | | | | | | | | | | | | | | 2 | 2 | 47 | 215 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 12 | 176 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 7 | 183 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | 2 | 146 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 2 | 93 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 115 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 84 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 67 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 48 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 28 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 20 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 20 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 19 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 4 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 75 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# PSYCHROMETRIC SUMMARY

23111 STATION — LUKE AFB ARIZONA/PHOENIX STATION NAME — 42-46,51-71 YEARS — NOV MONTH

PAGE 2 — 2100-2300 HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 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 | TOTAL D.B. W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 7 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 7 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 2 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 4 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 3 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 1 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | .0 | 4.4 | 8.8 | 11.8 | 17.8 | 18.7 | 17.4 | 12.2 | 6.2 | 2.2 | .5 | .0 | | | | | | 2291 | | | 2291 |
| | | | | | | | | | | | | | | | | | | | 2291 | 2291 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | 6402898 | 113946 | 49.7 | 17.923 | 2291 | | | | | | | |
| Dry Bulb | 7071507 | 126493 | 55.2 | 6.180 | 2291 | | | 2.4 | .2 | | | 90 |
| Wet Bulb | 4919079 | 105399 | 46.0 | 5.534 | 2291 | | .4 | | | | | 90 |
| Dew Point | 3071660 | 80654 | 35.2 | 10.071 | 2291 | .2 | 33.5 | | | | | 90 |

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/ETAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 41-45, 51-71 YEARS | DEC MONTH

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

| Temp (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 | | | | .0 | .0 | | | .1 | | | | | | | | | | 4 | 4 | | |
| 64/ 63 | | | | .1 | .1 | | .0 | .0 | | | | | | | | | | 7 | 7 | | |
| 62/ 61 | | | | .0 | | .0 | .0 | | | .0 | | | | | | | | 4 | 4 | | |
| 60/ 59 | | | .2 | .2 | .2 | .2 | .1 | | .0 | | | | | | | | | 24 | 24 | 1 | |
| 58/ 57 | | .0 | .1 | .5 | .5 | .3 | .2 | .1 | .1 | | | | | | | | | 43 | 43 | 7 | |
| 56/ 55 | | .8 | .3 | .3 | .6 | .7 | .5 | .2 | .0 | .0 | | | | | | | | 84 | 84 | 9 | 2 |
| 54/ 53 | .1 | .5 | .3 | .4 | 1.3 | 1.5 | .4 | .1 | .1 | | | | | | | | | 114 | 114 | 36 | 14 |
| 52/ 51 | .2 | 1.1 | .9 | 1.0 | 1.4 | 1.9 | .5 | .5 | .3 | | | | | | | | | 185 | 186 | 55 | 34 |
| 50/ 49 | .2 | 1.3 | 1.5 | 1.5 | 3.0 | 1.5 | 1.1 | .5 | .0 | | | | | | | | | 252 | 252 | 63 | 44 |
| 48/ 47 | .2 | 2.6 | 1.8 | 2.7 | 3.4 | 2.0 | .5 | .2 | .0 | | | | | | | | | 322 | 322 | 105 | 41 |
| 46/ 45 | .2 | 2.2 | 2.2 | 4.2 | 3.7 | 2.2 | .6 | | | | | | | | | | | 367 | 367 | 201 | 84 |
| 44/ 43 | .1 | 2.2 | 2.9 | 3.4 | 2.9 | 1.2 | .1 | .0 | | | | | | | | | | 308 | 308 | 252 | 106 |
| 42/ 41 | .1 | 1.6 | 2.4 | 2.9 | 3.0 | .7 | .1 | | | | | | | | | | | 259 | 259 | 280 | 111 |
| 40/ 39 | .2 | 2.2 | 2.2 | 1.9 | 1.9 | .2 | .2 | | | | | | | | | | | 210 | 210 | 382 | 130 |
| 38/ 37 | | 1.0 | 1.1 | 1.7 | 1.0 | .2 | | | | | | | | | | | | 119 | 119 | 361 | 161 |
| 36/ 35 | .0 | .3 | .7 | .8 | .7 | | | | | | | | | | | | | 64 | 64 | 284 | 219 |
| 34/ 33 | | .0 | .7 | .3 | .1 | | | | | | | | | | | | | 27 | 27 | 164 | 208 |
| 32/ 31 | | .1 | .2 | .0 | .0 | | | | | | | | | | | | | 9 | 9 | 116 | 215 |
| 30/ 29 | | | .1 | .0 | | | | | | | | | | | | | | 3 | 3 | 56 | 181 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 29 | 159 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | 4 | 167 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 139 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 111 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 70 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 49 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 57 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 31 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 24 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 11 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 14 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 11 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 6 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 4 |
| ~~0/-1~~ | | | | | | | | | | | | | | | | | | | | | ~~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 | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 41-45,51-71 YEARS | DEC MONTH

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

| Temp (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 |
| TOTAL | 1.2 | 16.0 | 17.5 | 22.0 | 23.9 | 12.7 | 4.3 | 1.7 | .7 | .1 | | | | | | | | 2405 | 2406 | 2405 | 2405 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 9640025 | 145317 | 60.4 | 18.873 | 2404 | | | | | | | |
| Dry Bulb | 5118236 | 110140 | 45.8 | 5.634 | 2406 | | .5 | | | | | 93 |
| Wet Bulb | 3900719 | 95933 | 39.9 | 5.550 | 2405 | | 7.9 | | | | | 93 |
| Dew Point | 2635712 | 76182 | 31.7 | 9.821 | 2405 | | 48.4 | | | | | 93 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 41-45,51-71 YEARS | DEC MONTH

 0300-0800 HOURS (L. S. T.)

| Temp. (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 | | | | | | | | .0 | | | | | | | | | | 1 | 1 | | |
| 64/ 63 | | | | .1 | .1 | | .0 | | .0 | | | | | | | | | 6 | 6 | | |
| 62/ 61 | | | .1 | .1 | | | .0 | | | | | | | | | | | 6 | 6 | | |
| 60/ 59 | | | | .1 | .1 | .2 | | .0 | | | | | | | | | | 9 | 9 | | |
| 58/ 57 | | .1 | .2 | .3 | .3 | .2 | .1 | .1 | | | | | | | | | | 29 | 29 | 9 | |
| 56/ 55 | .1 | .5 | .5 | .2 | .1 | .2 | .0 | .3 | | | | | | | | | | 49 | 49 | 7 | 7 |
| 54/ 53 | .1 | .5 | .4 | .5 | .7 | .4 | .1 | .1 | | | | | | | | | | 70 | 70 | 27 | 13 |
| 52/ 51 | .2 | 1.0 | .2 | .5 | 1.0 | .7 | .5 | | .1 | | | | | | | | | 101 | 101 | 45 | 26 |
| 50/ 49 | .0 | .9 | 1.4 | 1.1 | 2.0 | 1.1 | .3 | .1 | | | | | | | | | | 165 | 168 | 52 | 34 |
| 48/ 47 | .1 | 2.3 | 1.3 | 2.3 | 1.4 | .7 | .3 | .2 | | | | | | | | | | 207 | 207 | 61 | 39 |
| 46/ 45 | .1 | 2.5 | 1.5 | 3.1 | 2.4 | 1.1 | .5 | .0 | | | | | | | | | | 272 | 272 | 139 | 51 |
| 44/ 43 | .3 | 2.7 | 3.5 | 3.5 | 2.3 | 1.0 | .5 | .0 | | | | | | | | | | 340 | 340 | 179 | 98 |
| 42/ 41 | .2 | 2.0 | 3.7 | 4.3 | 2.8 | .7 | | | | | | | | | | | | 329 | 329 | 252 | 125 |
| 40/ 39 | .2 | 2.6 | 4.0 | 4.4 | 2.2 | .2 | .1 | | | | | | | | | | | 328 | 328 | 285 | 111 |
| 38/ 37 | .1 | 2.0 | 2.9 | 3.1 | 1.0 | .0 | | | | | | | | | | | | 222 | 222 | 355 | 140 |
| 36/ 35 | .0 | 1.7 | 1.6 | 2.0 | .7 | .1 | | | | | | | | | | | | 147 | 147 | 349 | 168 |
| 34/ 33 | .0 | .5 | 1.0 | 1.0 | .2 | .0 | | | | | | | | | | | | 67 | 67 | 301 | 210 |
| 32/ 31 | | .5 | .6 | .3 | .1 | | | | | | | | | | | | | 35 | 35 | 173 | 252 |
| 30/ 29 | .0 | .2 | .3 | .2 | | | | | | | | | | | | | | 18 | 18 | 92 | 183 |
| 28/ 27 | | .0 | .1 | .0 | | | | | | | | | | | | | | 4 | 4 | 51 | 184 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | 21 | 179 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | 7 | 172 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 114 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 79 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 57 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 47 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 29 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 21 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 13 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 15 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 9 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 2 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 7 |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ref. Num. | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 41-45,51-71 YEARS | DEC MONTH



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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| TOTAL | 1.6 | 20.0 | 23.4 | 27.2 | 17.7 | 6.7 | 2.3 | 1.0 | .1 | | | | | | | | | 2405 | 2408 | 2405 | 2405 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 10707117 | 154543 | 64.3 | 17.970 | 2405 | | | | | | | |
| Dry Bulb | 4586354 | 104134 | 43.2 | 5.875 | 2408 | | 2.2 | | | | | 93 |
| Wet Bulb | 3599025 | 91975 | 38.2 | 5.826 | 2405 | | 13.3 | | | | | 93 |
| Dew Point | 2525874 | 74670 | 31.0 | 9.291 | 2405 | | 52.7 | | | | | 93 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 41-45,51-71 YEARS | DEC MONTH

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

| Temp. (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 |
| 64/ 63 | | | | .0 | | .0 | .0 | | | | | | | | | | | 3 | 3 | | |
| 62/ 61 | | | .1 | .1 | | | | | | | | | | | | | | 5 | 5 | | |
| 60/ 59 | | | .1 | .2 | .1 | .1 | .0 | .0 | | | | | | | | | | 14 | 14 | | |
| 58/ 57 | | .1 | .0 | .3 | .2 | .1 | .1 | | .0 | | | | | | | | | 20 | 20 | 6 | |
| 56/ 55 | .0 | .2 | .3 | .0 | .2 | .2 | .1 | .1 | | | | | | | | | | 30 | 30 | 7 | 4 |
| 54/ 53 | .3 | 1.0 | .6 | .2 | .3 | .3 | .2 | .1 | | | | | | | | | | 74 | 74 | 33 | 15 |
| 52/ 51 | .1 | 1.2 | .3 | .5 | .4 | .4 | .2 | .0 | | | | | | | | | | 75 | 75 | 43 | 31 |
| 50/ 49 | .3 | .7 | 1.0 | .9 | 1.2 | .5 | .2 | | .0 | | | | | | | | | 116 | 117 | 55 | 31 |
| 48/ 47 | .0 | 1.3 | 1.0 | 1.7 | 1.5 | .7 | .4 | .2 | | | | | | | | | | 167 | 167 | 42 | 45 |
| 46/ 45 | .0 | 2.8 | 1.6 | 2.6 | 1.5 | 1.0 | .5 | .0 | | | | | | | | | | 243 | 243 | 100 | 45 |
| 44/ 43 | .1 | 2.8 | 2.9 | 3.9 | 1.9 | .7 | .3 | | | | | | | | | | | 304 | 304 | 151 | 71 |
| 42/ 41 | .6 | 2.4 | 3.1 | 3.3 | 2.0 | .6 | .2 | | | | | | | | | | | 293 | 293 | 224 | 109 |
| 40/ 39 | .2 | 2.0 | 4.9 | 4.1 | 1.5 | .4 | .1 | | | | | | | | | | | 320 | 320 | 257 | 130 |
| 38/ 37 | .2 | 3.0 | 3.6 | 3.7 | 1.0 | .1 | | | | | | | | | | | | 281 | 281 | 303 | 112 |
| 36/ 35 | .3 | 2.6 | 3.2 | 3.0 | .4 | .0 | | | | | | | | | | | | 230 | 230 | 366 | 166 |
| 34/ 33 | .0 | 1.3 | 1.9 | 1.5 | .3 | | | | | | | | | | | | | 122 | 122 | 325 | 204 |
| 32/ 31 | .1 | .7 | 1.0 | .5 | .2 | | | | | | | | | | | | | 59 | 59 | 220 | 250 |
| 30/ 29 | | .5 | .6 | .4 | | | | | | | | | | | | | | 34 | 34 | 149 | 220 |
| 28/ 27 | .1 | .1 | .5 | .1 | | | | | | | | | | | | | | 19 | 19 | 78 | 194 |
| 26/ 25 | | .0 | .1 | | | | | | | | | | | | | | | 3 | 3 | 28 | 187 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | 21 | 155 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | 4 | 132 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 87 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 63 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 45 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 42 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 27 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 15 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 5 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 18 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 3 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 4 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 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 | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 41-45,51-71 YEARS | DEC MONTH

PAGE 2 | 0600-0800 HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL 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 |
| TOTAL | 2.4 | 22.7 | 26.9 | 27.0 | 12.7 | 5.3 | 2.4 | .5 | .1 | | | | | | | | | 2412 | 2413 | 2412 | 2412 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. |
|---|---|---|---|---|---|
| Rel. Hum. | 11317763 | 159615 | 66.2 | 17.698 | 2412 |
| Dry Bulb | 4324325 | 101051 | 41.9 | 6.194 | 2413 |
| Wet Bulb | 3449017 | 90009 | 37.3 | 6.114 | 2412 |
| Dew Point | 2461242 | 73668 | 30.9 | 9.361 | 2412 |

| Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|
| ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| | 4.4 | | | | | 93 |
| | 19.3 | | | | | 93 |
| .1 | 55.9 | | | | | 93 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION — LUKE AFB ARIZONA/PHOENIX STATION NAME — 41-45,51-71 YEARS — DEC MONTH

PAGE 1 — 0900-1100 HOURS (L. S. T.)

| Temp. (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 |
| 74/ 73 | | | | | | | | | | .0 | .0 | .0 | | | | | | 3 | 3 | | |
| 72/ 71 | | | | | | | | | .1 | .1 | | .2 | .0 | | | | | 11 | 11 | | |
| 70/ 69 | | | | | | .0 | | .0 | .0 | .1 | .2 | .1 | .0 | | | | | 15 | 15 | | |
| 68/ 67 | | | | | | .0 | .2 | .2 | .3 | .3 | .2 | | | | | | | 27 | 27 | | |
| 66/ 65 | | | | .0 | .1 | .1 | .1 | .6 | .5 | .7 | .3 | .2 | | | | | | 64 | 64 | | |
| 64/ 63 | | | | .2 | .1 | .3 | .4 | .7 | 1.3 | .5 | .2 | .1 | | | | | | 91 | 91 | | |
| 62/ 61 | | | .1 | .1 | .3 | .6 | 1.1 | 1.2 | 1.2 | .5 | .2 | | | | | | | 125 | 125 | | |
| 60/ 59 | | .0 | .2 | .6 | .4 | .9 | 1.5 | 1.7 | 1.4 | .4 | .1 | | | | | | | 175 | 175 | 2 | |
| 58/ 57 | | .2 | .5 | .7 | .7 | 1.3 | 1.7 | 1.5 | 1.0 | .4 | .1 | | | | | | | 195 | 195 | 16 | |
| 56/ 55 | .1 | .7 | .9 | 1.1 | 1.5 | 2.0 | 2.2 | 1.7 | .7 | .0 | | | | | | | | 259 | 259 | 37 | 12 |
| 54/ 53 | .0 | 1.0 | 1.2 | 1.1 | 1.7 | 2.8 | 2.0 | .9 | .3 | .0 | | | | | | | | 265 | 265 | 77 | 25 |
| 52/ 51 | | .4 | .8 | 1.5 | 2.0 | 2.0 | 1.8 | .9 | .1 | .0 | | | | | | | | 231 | 231 | 140 | 27 |
| 50/ 49 | .0 | .8 | 1.7 | 1.7 | 2.5 | 2.0 | 1.0 | .5 | .0 | | | | | | | | | 248 | 248 | 190 | 67 |
| 48/ 47 | .1 | .6 | 1.5 | 1.5 | 2.1 | 1.5 | .8 | .1 | .0 | | | | | | | | | 199 | 199 | 272 | 65 |
| 46/ 45 | .1 | .9 | 1.2 | 1.8 | 2.0 | .9 | .4 | .1 | | | | | | | | | | 178 | 178 | 338 | 74 |
| 44/ 43 | .0 | .6 | 1.3 | 1.0 | 1.1 | .7 | .2 | | | | | | | | | | | 117 | 117 | 351 | 107 |
| 42/ 41 | .0 | .5 | 1.6 | 1.0 | .7 | .3 | .1 | | | | | | | | | | | 103 | 103 | 315 | 127 |
| 40/ 39 | | .3 | .5 | .6 | .7 | .1 | | | | | | | | | | | | 54 | 54 | 250 | 124 |
| 38/ 37 | .1 | .1 | .3 | .3 | .2 | .0 | | | | | | | | | | | | 23 | 23 | 191 | 184 |
| 36/ 35 | | .1 | .2 | .4 | | | | | | | | | | | | | | 17 | 17 | 111 | 204 |
| 34/ 33 | | .0 | .1 | .1 | | | | | | | | | | | | | | 6 | 6 | 68 | 188 |
| 32/ 31 | | | .0 | .1 | | | | | | | | | | | | | | 3 | 3 | 34 | 210 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | 13 | 180 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 4 | 176 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 140 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 110 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 118 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 64 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 59 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 49 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 30 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 23 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 13 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 13 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 41-45,51-71 (YEARS) DEC (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 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 | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/ 5 | | | | | | | | | | | | | | | | | | | | 5 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | 4 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | 5 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | 3 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | 1 |
| ~~-4/ -5~~ | | | | | | | | | | | | | | | | | | | | ~~2~~ |
| TOTAL | .5 | 6.2 | 12.2 | 13.7 | 16.2 | 15.6 | 13.3 | 10.3 | 6.9 | 3.1 | 1.3 | .5 | .1 | | | | 2409 | 2409 | 2409 | 2409 |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | 6954751 | 120059 | 49.8 | 20.084 | 2409 | | | | | | | |
| Dry Bulb | 6785919 | 126683 | 52.6 | 7.176 | 2409 | | .1 | 2.2 | .1 | | | 9 |
| Wet Bulb | 4670516 | 105248 | 43.7 | 5.479 | 2409 | | 2.0 | | | | | |
| Dew Point | 2757384 | 77888 | 32.3 | 9.965 | 2409 | .2 | 46.5 | | | | | |

USAFETAC FORM 0-26-5 (OL-A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 41-45,51-71 YEARS | DEC MONTH

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

| Temp. (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 |
| 82/ 81 | | | | | | | | | | | | | .0 | | .0 | | | 2 | 2 | | |
| 80/ 79 | | | | | | | | | | | | .1 | | .0 | .0 | | | 4 | 4 | | |
| 78/ 77 | | | | | | | | | | | .3 | .1 | .4 | .1 | | | | 21 | 21 | | |
| 76/ 75 | | | | | | | | .0 | .0 | .2 | .5 | .9 | .8 | .1 | | | | 62 | 62 | | |
| 74/ 73 | | | | | | | | .3 | .3 | .2 | 1.2 | 1.2 | .6 | .0 | | | | 95 | 95 | | |
| 72/ 71 | | | | | | | .0 | .2 | .6 | .8 | 1.3 | 1.5 | .5 | .0 | | | | 126 | 126 | | |
| 70/ 69 | | | | | | .2 | .2 | .3 | 1.0 | 2.5 | 2.6 | 1.2 | .5 | | | | | 206 | 206 | | |
| 68/ 67 | | | | | .1 | .2 | .4 | .5 | 1.7 | 2.3 | 2.0 | .7 | .1 | | | | | 192 | 192 | | |
| 66/ 65 | | | | | .3 | .5 | 1.0 | 1.6 | 2.1 | 2.5 | 1.2 | .2 | .0 | | | | | 228 | 228 | | |
| 64/ 63 | | | .0 | .1 | .5 | .9 | 1.2 | 1.5 | 3.1 | 2.1 | .7 | .3 | | | | | | 254 | 254 | | |
| 62/ 61 | | .0 | .1 | .4 | .6 | 1.2 | 1.7 | 2.2 | 2.7 | 1.2 | .6 | .1 | | | | | | 260 | 260 | 2 | |
| 60/ 59 | | .0 | .4 | .7 | .9 | 1.3 | 1.8 | 2.3 | 1.5 | 1.1 | .2 | .0 | | | | | | 248 | 248 | 20 | |
| 58/ 57 | .0 | .0 | .3 | .9 | 1.2 | 1.5 | 1.9 | 1.5 | 1.0 | .3 | .0 | | | | | | | 210 | 210 | 58 | 5 |
| 56/ 55 | .1 | .4 | .7 | .4 | 1.0 | 1.1 | 1.4 | .9 | .6 | .1 | | | | | | | | 160 | 160 | 122 | 9 |
| 54/ 53 | .1 | .4 | .4 | .4 | .9 | 1.0 | 1.0 | .7 | .2 | | | | | | | | | 122 | 122 | 257 | 24 |
| 52/ 51 | | .1 | .3 | .4 | .7 | .5 | .7 | .4 | .1 | | | | | | | | | 77 | 77 | 371 | 29 |
| 50/ 49 | .0 | .2 | .5 | .3 | .5 | .4 | .5 | .4 | | | | | | | | | | 64 | 64 | 380 | 69 |
| 48/ 47 | | .1 | .5 | .2 | .1 | .3 | .2 | .1 | | | | | | | | | | 38 | 38 | 424 | 67 |
| 46/ 45 | | .3 | .2 | .1 | .0 | .2 | | | | | | | | | | | | 18 | 18 | 326 | 83 |
| 44/ 43 | .0 | .2 | .1 | .1 | .0 | .1 | | | | | | | | | | | | 14 | 14 | 195 | 112 |
| 42/ 41 | .0 | .1 | .0 | .0 | .1 | | | | | | | | | | | | | 8 | 8 | 132 | 125 |
| 40/ 39 | | | .0 | | .0 | | | | | | | | | | | | | 2 | 2 | 69 | 155 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 38 | 161 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 11 | 171 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 6 | 185 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 190 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 190 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 146 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 156 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 112 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 107 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 64 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 73 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 50 |

| 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 | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 41-45,51-71 YEARS | DEC MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 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 | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 34 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 27 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 22 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 11 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 12 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 7 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 2 |
| ~~0/ -1~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| ~~-8/ -9~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| ~~-10/ -11~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| TOTAL | .4 | 1.9 | 3.6 | 4.0 | 7.0 | 9.3 | 11.9 | 12.9 | 15.0 | 13.4 | 10.9 | 6.3 | 3.0 | .3 | .1 | | | 2411 | 2411 | 2411 | 2411 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | 3985403 | 87381 | 36.2 | 18.429 | 2411 | | | | | | | |
| Dry Bulb | 9471228 | 150124 | 62.3 | 7.160 | 2411 | | | 27.3 | 7.1 | .1 | | 93 |
| Wet Bulb | 5702904 | 116730 | 48.4 | 4.616 | 2411 | | | | | | | 93 |
| Dew Point | 2773033 | 77861 | 32.3 | 10.358 | 2411 | ~~.1~~ | 46.5 | | | | | 93 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION — LUKE AFB ARIZONA/PHOENIX STATION NAME — 41-45,51-71 YEARS — DEC MONTH

PAGE 1 — 1500-1700 HOURS (L. S. T.)

| Temp. (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 | | | | | | | | | | | | | | | | | .0 | 1 | 1 | | |
| 84/ 83 | | | | | | | | | | | | | | | | .0 | | 1 | 1 | | |
| 80/ 79 | | | | | | | | | | | .0 | .1 | .4 | .4 | .0 | | | 23 | 23 | | |
| 78/ 77 | | | | | | | | | .0 | | .1 | .2 | 1.0 | .3 | | | | 39 | 39 | | |
| 76/ 75 | | | | | | | | .2 | .2 | .2 | .6 | 1.2 | .7 | .4 | .0 | | | 86 | 86 | | |
| 74/ 73 | | | | | | | | .1 | .3 | .7 | 1.0 | 2.0 | .8 | .2 | | | | 121 | 121 | | |
| 72/ 71 | | | | | | | | .2 | .7 | 1.2 | 2.7 | 1.6 | .5 | .0 | | | | 171 | 171 | | |
| 70/ 69 | | | | | | | .3 | .5 | 1.1 | 2.3 | 2.9 | 1.4 | .5 | | | | | 219 | 219 | | |
| 68/ 67 | | | | | .1 | .3 | .5 | 1.0 | 1.8 | 2.6 | 2.2 | .7 | .1 | | | | | 224 | 224 | | |
| 66/ 65 | | | | .1 | .2 | .5 | .9 | 2.2 | 3.1 | 3.1 | 1.2 | .5 | .0 | | | | | 285 | 285 | | |
| 64/ 63 | | | .1 | .2 | .3 | .7 | 1.0 | 2.7 | 2.3 | 1.7 | 1.2 | .2 | | | | | | 252 | 252 | | |
| 62/ 61 | | | .2 | .3 | .5 | 1.1 | 1.5 | 1.9 | 2.5 | 1.1 | .5 | .1 | | | | | | 234 | 234 | 8 | |
| 60/ 59 | | | .3 | .7 | .8 | 1.1 | 1.4 | 1.7 | 1.5 | 1.0 | .1 | | | | | | | 208 | 208 | 18 | |
| 58/ 57 | | .1 | .4 | .8 | .7 | .8 | 1.4 | 1.3 | 1.0 | .2 | | | | | | | | 160 | 160 | 72 | 4 |
| 56/ 55 | .1 | .2 | .4 | .5 | .7 | 1.0 | .9 | .7 | .3 | .1 | | | | | | | | 116 | 116 | 147 | 8 |
| 54/ 53 | | .8 | .1 | .4 | .7 | .4 | 1.0 | .7 | .3 | | | | | | | | | 108 | 108 | 292 | 22 |
| 52/ 51 | | .1 | .2 | .4 | .7 | .4 | .4 | .5 | .0 | | | | | | | | | 65 | 65 | 423 | 39 |
| 50/ 49 | .0 | .2 | .4 | .3 | .0 | .5 | .5 | .2 | | | | | | | | | | 53 | 53 | 427 | 71 |
| 48/ 47 | | | .0 | .1 | | .0 | .1 | | | | | | | | | | | 6 | 6 | 369 | 74 |
| 46/ 45 | .0 | .4 | .2 | | | .1 | | | | | | | | | | | | 19 | 19 | 264 | 69 |
| 44/ 43 | .0 | .3 | .2 | .0 | .1 | .1 | | | | | | | | | | | | 19 | 19 | 188 | 99 |
| 42/ 41 | | .0 | .0 | .1 | | | | | | | | | | | | | | 4 | 4 | 111 | 116 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | 51 | 147 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 35 | 159 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 8 | 201 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 1 | 166 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 216 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 194 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 158 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 127 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 109 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 118 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 62 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 70 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 41-45,51-71 YEARS | DEC MONTH

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

| Temp. (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 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 58 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 45 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 24 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 26 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 17 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 8 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 3 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 1 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 2 |
| ~~-6/ -7~~ | | | | | | | | | | | | | | | | | | | | | ~~1~~ |
| TOTAL | .2 | 2.2 | 2.0 | 3.9 | 4.7 | 7.0 | 9.9 | 14.0 | 15.2 | 14.2 | 12.7 | 7.9 | 4.1 | 1.4 | .1 | .0 | .0 | 2414 | 2414 | 2414 | 2414 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 3610172 | 82564 | 34.2 | 18.052 | 2414 | | | | | | | |
| Dry Bulb | 9953438 | 154018 | 63.8 | 7.249 | 2414 | | | 34.1 | 10.4 | .4 | | 93 |
| Wet Bulb | 5857276 | 118408 | 49.1 | 4.520 | 2414 | | | | | | | 93 |
| Dew Point | 2743358 | 77488 | 32.1 | 10.301 | 2414 | .1 | 47.7 | | | | | 93 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION — LUKE AFB ARIZONA/PHOENIX STATION NAME — 41-45,51-71 YEARS — DEC MONTH

PAGE 1 — 1800-2000 HOURS (L. S. T.)

| Temp. (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 |
| 74/ 73 | | | | | | | .0 | | | | | | | | | | | 1 | 1 | | |
| 72/ 71 | | | | | | | .0 | .0 | | .0 | .1 | | | | | | | 5 | 5 | | |
| 70/ 69 | | | | | | .1 | | | .1 | .1 | .0 | .0 | | | | | | 9 | 9 | | |
| 68/ 67 | | | | | | .2 | .2 | .1 | .3 | .3 | .1 | | | | | | | 28 | 28 | | |
| 66/ 65 | | | | | .1 | .2 | .2 | .6 | .4 | .2 | .2 | .1 | | | | | | 47 | 47 | | |
| 64/ 63 | | | .0 | .0 | .2 | .6 | .5 | 1.3 | .6 | .2 | .2 | | | | | | | 88 | 83 | | |
| 62/ 61 | | | .1 | .3 | .5 | .9 | 1.7 | 1.8 | 1.2 | .3 | .1 | | | | | | | 169 | 169 | 1 | |
| 60/ 59 | | .0 | .1 | .3 | 1.3 | 1.7 | 3.0 | 1.9 | .7 | .3 | | | | | | | | 228 | 228 | 5 | |
| 58/ 57 | | .3 | .7 | .9 | 1.3 | 2.7 | 2.9 | 1.7 | .8 | .2 | | | | | | | | 279 | 279 | 18 | |
| 56/ 55 | .2 | .3 | 1.0 | 1.1 | 1.7 | 3.6 | 2.4 | 1.7 | .6 | | | | | | | | | 305 | 305 | 45 | 11 |
| 54/ 53 | .1 | .7 | 1.3 | 1.7 | 2.1 | 3.5 | 2.6 | .9 | .3 | | | | | | | | | 319 | 319 | 93 | 22 |
| 52/ 51 | | .8 | 1.0 | 2.0 | 2.2 | 2.4 | 1.9 | .4 | .0 | | | | | | | | | 259 | 259 | 177 | 47 |
| 50/ 49 | | .7 | 1.2 | 2.3 | 1.7 | 2.5 | 1.3 | .5 | .2 | | | | | | | | | 251 | 251 | 253 | 79 |
| 48/ 47 | | .3 | 1.4 | 1.3 | 1.5 | 1.5 | .4 | .1 | | | | | | | | | | 158 | 156 | 354 | 73 |
| 46/ 45 | | .9 | .7 | 1.1 | 1.0 | .9 | .4 | | | | | | | | | | | 122 | 122 | 388 | 92 |
| 44/ 43 | | .7 | .6 | .5 | 1.1 | .6 | .1 | | | | | | | | | | | 85 | 85 | 359 | 123 |
| 42/ 41 | | .1 | .5 | .1 | .4 | .3 | | | | | | | | | | | | 35 | 35 | 285 | 147 |
| 40/ 39 | | .0 | .1 | .2 | .1 | | | | | | | | | | | | | 13 | 13 | 197 | 187 |
| 38/ 37 | | | .1 | | .1 | | | | | | | | | | | | | 5 | 5 | 119 | 211 |
| 36/ 35 | | | .1 | .0 | | | | | | | | | | | | | | 4 | 4 | 64 | 245 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 37 | 199 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 13 | 165 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | 2 | 174 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 138 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 101 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 94 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 79 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 58 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 49 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 24 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 23 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 19 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 13 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 8 |

| 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 | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 41-45,51-71 YEARS | DEC MONTH



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

| Temp. (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 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 5 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 2 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | .3 | 5.1 | 9.2 | 12.1 | 15.5 | 21.5 | 17.6 | 11.0 | 5.2 | 1.7 | .7 | .1 | | | | | | | 2410 | | 2410 |
| | | | | | | | | | | | | | | | | | | 2410 | | 2410 | |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 90 F | Total |
| Rel. Hum. | 6743620 | 119706 | 49.7 | 18.221 | 2410 | | | | | | | |
| Dry Bulb | 7147964 | 130462 | 54.1 | 5.960 | 2410 | | | 1.7 | .0 | | | 93 |
| Wet Bulb | 4959497 | 108655 | 45.1 | 5.023 | 2410 | | .6 | | | | | 93 |
| Dew Point | 3023709 | 82277 | 34.1 | 9.442 | 2410 | .0 | 37.6 | | | | | 93 |

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 41-45,51-71 YEARS | DEC MONTH

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

| Temp. (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 |
| 70/ 69 | | | | | | | | | .0 | | | | | | | | | 1 | 1 | | |
| 68/ 67 | | | | | | .0 | | | | | | | | | | | | 1 | 1 | | |
| 66/ 65 | | | | | .1 | .1 | | .1 | .0 | | .0 | | | | | | | 9 | 9 | | |
| 64/ 63 | | | | | .0 | .0 | .0 | .1 | | .0 | .0 | | | | | | | 7 | 7 | | |
| 62/ 61 | | | | .2 | .2 | .2 | .1 | .2 | .0 | | | | | | | | | 19 | 19 | | |
| 60/ 59 | | | .2 | .4 | .4 | .5 | .5 | .1 | .2 | | | | | | | | | 54 | 54 | | |
| 58/ 57 | | .2 | .5 | .2 | .3 | .8 | .8 | .4 | .2 | .1 | | | | | | | | 82 | 82 | 9 | |
| 56/ 55 | | .6 | .4 | .7 | 1.2 | 1.6 | 1.2 | .5 | .5 | | | | | | | | | 159 | 159 | 14 | 5 |
| 54/ 53 | .1 | .8 | 1.0 | 1.4 | 1.8 | 2.7 | .6 | .7 | .4 | | | | | | | | | 230 | 230 | 46 | 14 |
| 52/ 51 | .2 | 1.1 | 2.- | 1.2 | 2.9 | 3.2 | 1.2 | .4 | .0 | | | | | | | | | 293 | 293 | 67 | 40 |
| 50/ 49 | .2 | 1.4 | 1.9 | 2.3 | 3.0 | 3.4 | 1.2 | .4 | .1 | | | | | | | | | 337 | 337 | 111 | 58 |
| 48/ 47 | | 1.6 | 2.2 | 3.2 | 3.9 | 2.9 | 1.5 | .1 | .1 | | | | | | | | | 372 | 372 | 195 | 59 |
| 46/ 45 | | 1.7 | 2.4 | 2.7 | 3.0 | 1.5 | .6 | .0 | | | | | | | | | | 284 | 284 | 254 | 85 |
| 44/ 43 | | 1.6 | 1.9 | 2.3 | 2.1 | .7 | .5 | | | | | | | | | | | 219 | 219 | 337 | 128 |
| 42/ 41 | .1 | 1.4 | 1.3 | 1.6 | 1.6 | .7 | .0 | | | | | | | | | | | 161 | 161 | 360 | 119 |
| 40/ 39 | .0 | .8 | .7 | .9 | 1.2 | .4 | | | | | | | | | | | | 96 | 96 | 357 | 165 |
| 38/ 37 | | .2 | .5 | .6 | .5 | .1 | | | | | | | | | | | | 46 | 46 | 281 | 194 |
| 36/ 35 | | | .3 | .4 | .2 | | | | | | | | | | | | | 22 | 22 | 173 | 217 |
| 34/ 33 | | .0 | .3 | .2 | .0 | | | | | | | | | | | | | 15 | 15 | 99 | 196 |
| 32/ 31 | | | | | .1 | | | | | | | | | | | | | 2 | 2 | 64 | 194 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | 32 | 164 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 8 | 163 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | 2 | 131 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 114 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 93 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 69 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 45 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 54 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 38 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 22 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 10 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 15 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 8 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 3 |

| 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 | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION | LUKE AFB ARIZONA/PHOENIX STATION NAME | 41-45,51-71 YEARS | DEC MONTH

PAGE 2 | 2100-2300 HOURS (L. S. T.)

| Temp. (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 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 2 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 2 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 1 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | .6 | 11.4 | 15.5 | 18.1 | 22.5 | 18.9 | 8.3 | 2.9 | 1.6 | .2 | .1 | | | | | | | 2409 | 2409 | 2409 | 2409 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 8726525 | 137509 | 57.1 | 19.088 | 2409 | | | | | | | |
| Dry Bulb | 5741928 | 116848 | 48.5 | 5.553 | 2409 | | .1 | .1 | | | | 73 |
| Wet bulb | 4258591 | 100465 | 41.7 | 5.345 | 2409 | | 4.1 | | | | | 93 |
| Dew Point | 2796879 | 78633 | 32.6 | 9.777 | 2409 | .2 | 43.6 | | | | | 93 |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
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# MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 41-46,51-72 (YEARS)

| HRS (L S T) | | JAN | FEB | MAR | APR. | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00-02 | MEAN | 45,4 | 49,1 | 53,8 | 61,2 | 70,3 | 78,8 | 86,1 | 83,5 | 76,9 | 64,0 | 52,2 | 45,8 | 64,2 |
| | S D | 6,062 | 6,868 | 6,834 | 6,998 | 7,379 | 6,965 | 5,175 | 5,231 | 6,544 | 6,768 | 6,315 | 5,634 | 15,668 |
| | TOTAL OBS | 2393 | 2135 | 2313 | 2366 | 2499 | 2383 | 2442 | 2414 | 2336 | 2415 | 2293 | 2406 | 28395 |
| 03-05 | MEAN | 42,9 | 46,0 | 50,1 | 56,7 | 64,9 | 73,2 | 82,0 | 80,1 | 72,9 | 60,5 | 49,4 | 43,2 | 60,3 |
| | S D | 6,207 | 6,799 | 6,452 | 6,604 | 6,857 | 7,137 | 5,063 | 4,946 | 6,560 | 6,679 | 6,423 | 5,875 | 15,075 |
| | TOTAL OBS | 2405 | 2136 | 2311 | 2366 | 2499 | 2382 | 2413 | 2411 | 2335 | 2412 | 2291 | 2408 | 28369 |
| 06-08 | MEAN | 41,4 | 44,6 | 49,6 | 57,9 | 67,5 | 76,1 | 83,5 | 81,1 | 73,5 | 60,9 | 48,8 | 41,9 | 60,9 |
| | S D | 6,472 | 6,736 | 6,582 | 7,179 | 7,437 | 7,442 | 5,168 | 5,060 | 6,812 | 7,393 | 6,798 | 6,194 | 16,284 |
| | TOTAL OBS | 2406 | 2136 | 2315 | 2366 | 2494 | 2382 | 2491 | 2410 | 2337 | 2414 | 2291 | 2413 | 28456 |
| 09-11 | MEAN | 51,3 | 55,7 | 61,7 | 71,0 | 80,7 | 88,9 | 93,3 | 90,6 | 86,3 | 75,0 | 61,6 | 52,6 | 72,7 |
| | S D | 7,222 | 7,386 | 7,947 | 8,153 | 7,727 | 7,029 | 5,187 | 5,408 | 6,781 | 8,061 | 7,761 | 7,176 | 16,553 |
| | TOTAL OBS | 2394 | 2134 | 2316 | 2366 | 2492 | 2382 | 2484 | 2415 | 2337 | 2411 | 2292 | 2409 | 28432 |
| 12-14 | MEAN | 61,2 | 65,0 | 70,2 | 78,7 | 88,2 | 96,6 | 100,3 | 97,4 | 94,2 | 83,6 | 70,7 | 62,3 | 81,0 |
| | S D | 7,122 | 7,633 | 8,802 | 9,017 | 7,942 | 7,322 | 5,557 | 5,681 | 6,968 | 8,021 | 7,785 | 7,160 | 15,875 |
| | TOTAL OBS | 2401 | 2133 | 2310 | 2364 | 2497 | 2382 | 2494 | 2416 | 2335 | 2412 | 2288 | 2411 | 28443 |
| 15-17 | MEAN | 63,7 | 67,7 | 73,1 | 81,4 | 90,7 | 99,8 | 103,7 | 100,4 | 96,6 | 85,3 | 72,0 | 63,8 | 83,5 |
| | S D | 7,305 | 8,136 | 9,212 | 9,261 | 8,127 | 7,334 | 5,467 | 5,785 | 7,277 | 8,262 | 7,893 | 7,249 | 16,264 |
| | TOTAL OBS | 2400 | 2129 | 2311 | 2362 | 2494 | 2386 | 2495 | 2416 | 2336 | 2414 | 2285 | 2414 | 28442 |
| 18-20 | MEAN | 55,1 | 60,6 | 67,1 | 75,9 | 86,1 | 95,4 | 99,3 | 95,4 | 89,6 | 75,8 | 61,8 | 54,1 | 76,6 |
| | S D | 6,691 | 7,808 | 8,890 | 8,971 | 6,364 | 7,550 | 6,363 | 6,445 | 7,594 | 7,940 | 6,962 | 5,960 | 17,576 |
| | TOTAL OBS | 2397 | 2140 | 2311 | 2362 | 2498 | 2384 | 2489 | 2416 | 2335 | 2412 | 2290 | 2410 | 28444 |
| 21-23 | MEAN | 48,6 | 53,0 | 58,9 | 67,0 | 76,6 | 85,7 | 91,4 | 87,9 | 81,1 | 67,6 | 55,2 | 48,5 | 68,8 |
| | S D | 6,042 | 6,822 | 7,404 | 7,384 | 7,267 | 6,957 | 5,617 | 5,720 | 6,702 | 6,962 | 6,180 | 5,353 | 16,496 |
| | TOTAL OBS | 2391 | 2144 | 2312 | 2369 | 2494 | 2385 | 2496 | 2415 | 2338 | 2417 | 2291 | 2409 | 28461 |
| ALL HOURS | MEAN | 51,2 | 55,2 | 60,6 | 68,7 | 78,1 | 86,8 | 92,5 | 89,6 | 83,9 | 71,6 | 59,0 | 51,5 | 71,0 |
| | S D | 10,199 | 10,873 | 11,522 | 11,981 | 11,980 | 11,867 | 9,383 | 9,100 | 11,036 | 11,852 | 11,041 | 10,027 | 18,258 |
| | TOTAL OBS | 19187 | 17087 | 18500 | 18921 | 19967 | 19066 | 19804 | 19313 | 18689 | 19307 | 18321 | 19280 | 227442 |

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 41-46,51-72 (YEARS)

| HRS (L S T) | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00-02 | MEAN | 39,5 | 41,5 | 44,3 | 47,8 | 52,1 | 57,4 | 67,5 | 69,0 | 62,3 | 52,7 | 44,1 | 39,9 | 51,7 |
| | S D | 5,986 | 6,138 | 5,057 | 4,800 | 4,525 | 5,258 | 4,864 | 4,354 | 5,799 | 6,088 | 5,744 | 5,550 | 11,417 |
| | TOTAL OBS | 2393 | 2135 | 2313 | 2366 | 2499 | 2383 | 2441 | 2414 | 2338 | 2415 | 2293 | 2405 | 28395 |
| 03-05 | MEAN | 37,8 | 39,7 | 42,2 | 45,7 | 49,9 | 55,2 | 66,4 | 68,2 | 60,8 | 51,0 | 42,4 | 38,2 | 49,9 |
| | S D | 6,215 | 6,310 | 5,273 | 4,897 | 4,646 | 5,718 | 5,445 | 4,842 | 6,247 | 6,397 | 5,944 | 5,826 | 11,777 |
| | TOTAL OBS | 2405 | 2136 | 2311 | 2366 | 2499 | 2382 | 2412 | 2410 | 2333 | 2412 | 2291 | 2405 | 28362 |
| 06-08 | MEAN | 36,8 | 38,7 | 42,1 | 46,6 | 51,6 | 57,1 | 67,5 | 68,8 | 61,2 | 51,2 | 42,0 | 37,3 | 50,3 |
| | S D | 6,421 | 6,318 | 5,360 | 5,179 | 4,839 | 5,696 | 5,233 | 4,732 | 6,249 | 6,480 | 6,083 | 6,114 | 12,400 |
| | TOTAL OBS | 2406 | 2136 | 2316 | 2365 | 2493 | 2382 | 2490 | 2409 | 2335 | 2414 | 2291 | 2412 | 28449 |
| 09-11 | MEAN | 42,7 | 45,1 | 48,2 | 52,7 | 57,2 | 62,1 | 70,3 | 71,5 | 66,1 | 57,6 | 48,9 | 43,7 | 55,7 |
| | S D | 5,966 | 5,716 | 4,979 | 4,9[illegible] | 4,216 | 4,593 | 4,020 | 3,568 | 4,956 | 5,633 | 5,258 | 5,479 | 11,017 |
| | TOTAL OBS | 2394 | 2134 | 2316 | 2366 | 2491 | 2379 | 2483 | 2415 | 2337 | 2410 | 2293 | 2409 | 28426 |
| 12-14 | MEAN | 47,6 | 49,2 | 51,7 | 55,3 | 59,5 | 64,2 | 71,6 | 72,6 | 68,1 | 60,7 | 52,8 | 48,4 | 58,7 |
| | S D | 5,266 | 5,226 | 4,834 | 4,871 | 4,082 | 4,251 | 3,565 | 3,151 | 4,345 | 5,069 | 4,677 | 4,616 | 9,774 |
| | TOTAL OBS | 2401 | 2132 | 2310 | 2364 | 2495 | 2379 | 2493 | 2414 | 2334 | 2412 | 2288 | 2411 | 28433 |
| 15-17 | MEAN | 48,7 | 50,0 | 52,3 | 55,9 | 60,0 | 64,7 | 71,9 | 72,6 | 68,0 | 60,8 | 53,3 | 49,1 | 59,1 |
| | S D | 5,046 | 5,118 | 4,716 | 4,726 | 3,974 | 4,113 | 3,233 | 3,011 | 4,158 | 4,903 | 4,643 | 4,520 | 9,464 |
| | TOTAL OBS | 2400 | 2127 | 2311 | 2362 | 2494 | 2383 | 2495 | 2416 | 2336 | 2414 | 2285 | 2414 | 28437 |
| 18-20 | MEAN | 45,2 | 47,4 | 50,2 | 53,9 | 58,3 | 63,3 | 70,9 | 71,4 | 66,4 | 58,0 | 49,6 | 45,1 | 56,8 |
| | S D | 5,462 | 5,477 | 4,814 | 4,637 | 4,021 | 4,319 | 3,220 | 3,214 | 4,522 | 5,341 | 5,221 | 5,023 | 10,323 |
| | TOTAL OBS | 2397 | 2140 | 2311 | 2362 | 2497 | 2384 | 2489 | 2416 | 2334 | 2412 | 2290 | 2410 | 28442 |
| 21-23 | MEAN | 41,6 | 43,9 | 46,9 | 50,5 | 54,7 | 59,9 | 69,0 | 70,0 | 64,0 | 54,6 | 46,0 | 41,7 | 53,8 |
| | S D | 5,797 | 5,784 | 4,897 | 4,643 | 4,144 | 4,780 | 3,997 | 3,831 | 5,243 | 5,849 | 5,534 | 5,345 | 11,019 |
| | TOTAL OBS | 2391 | 2144 | 2311 | 2369 | 2494 | 2385 | 2496 | 2415 | 2338 | 2416 | 2291 | 2409 | 28459 |
| ALL HOURS | MEAN | 42,5 | 44,4 | 47,2 | 51,1 | 55,4 | 60,5 | 69,4 | 70,5 | 64,6 | 55,8 | 47,4 | 42,9 | 54,5 |
| | S D | 7,104 | 7,012 | 6,287 | 6,131 | 5,646 | 5,931 | 4,692 | 4,224 | 5,922 | 6,856 | 6,825 | 6,751 | 11,454 |
| | TOTAL OBS | 19187 | 17084 | 18499 | 18920 | 19962 | 19057 | 19799 | 19309 | 18685 | 19305 | 18321 | 19275 | 227403 |

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 41-46,51-72 (YEARS)

| HRS (L S T) | | JAN | FEB | MAR. | APR | MAY | JUN. | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00-02 | MEAN | 31,0 | 31,1 | 32,4 | 32,5 | 33,3 | 36,4 | 56,1 | 61,1 | 52,3 | 42,1 | 34,0 | 31,7 | 39,5 |
| | S D | 10,666 | 11,065 | 9,536 | 8,981 | 6,624 | 10,013 | 10,614 | 8,297 | 9,865 | 9,991 | 9,962 | 9,621 | 14,277 |
| | TOTAL OBS | 2393 | 2135 | 2313 | 2364 | 2499 | 2383 | 2441 | 2414 | 2338 | 2415 | 2293 | 2405 | 28395 |
| 03-05 | MEAN | 30,2 | 30,6 | 32,0 | 32,6 | 33,8 | 38,8 | 56,8 | 61,6 | 52,3 | 41,7 | 33,4 | 31,0 | 39,7 |
| | S D | 10,464 | 10,754 | 9,367 | 8,749 | 8,376 | 9,932 | 10,497 | 8,277 | 9,753 | 9,920 | 9,777 | 9,291 | 14,386 |
| | TOTAL OBS | 2405 | 2136 | 2311 | 2366 | 2499 | 2382 | 2412 | 2410 | 2333 | 2412 | 2291 | 2405 | 28362 |
| 06-08 | MEAN | 29,7 | 30,1 | 32,2 | 33,5 | 35,4 | 40,7 | 58,0 | 62,3 | 52,6 | 42,0 | 33,3 | 30,5 | 40,2 |
| | S D | 10,252 | 10,560 | 9,164 | 8,662 | 8,277 | 9,640 | 9,945 | 7,979 | 9,678 | 9,711 | 9,467 | 9,361 | 14,498 |
| | TOTAL OBS | 2406 | 2136 | 2316 | 2363 | 2493 | 2382 | 2490 | 2409 | 2335 | 2414 | 2291 | 2412 | 28449 |
| 09-11 | MEAN | 31,3 | 31,5 | 32,7 | 34,2 | 36,0 | 41,1 | 57,5 | 61,8 | 53,4 | 43,2 | 34,8 | 32,3 | 41,0 |
| | S D | 10,969 | 11,187 | 10,054 | 9,313 | 8,188 | 9,602 | 9,945 | 7,529 | 9,419 | 10,129 | 10,111 | 9,965 | 14,270 |
| | TOTAL OBS | 2394 | 2134 | 2316 | 2366 | 2491 | 2379 | 2483 | 2415 | 2337 | 2410 | 2292 | 2409 | 28426 |
| 12-14 | MEAN | 31,2 | 30,7 | 31,8 | 32,8 | 34,3 | 39,5 | 55,8 | 60,1 | 52,2 | 42,7 | 34,6 | 32,3 | 40,0 |
| | S D | 11,679 | 11,694 | 10,470 | 9,425 | 8,505 | 9,782 | 9,567 | 7,686 | 9,520 | 10,048 | 10,213 | 10,358 | 14,188 |
| | TOTAL OBS | 2401 | 2132 | 2310 | 2364 | 2495 | 2379 | 2492 | 2414 | 2334 | 2412 | 2288 | 2411 | 28432 |
| 15-17 | MEAN | 30,9 | 29,2 | 29,6 | 30,6 | 32,5 | 37,5 | 54,2 | 58,2 | 50,0 | 41,2 | 34,3 | 32,1 | 38,5 |
| | S D | 11,628 | 11,830 | 10,522 | 9,693 | 8,545 | 10,164 | 9,128 | 7,774 | 9,768 | 9,916 | 9,999 | 10,301 | 14,021 |
| | TOTAL OBS | 2400 | 2127 | 2311 | 2362 | 2494 | 2383 | 2495 | 2416 | 2336 | 2414 | 2285 | 2414 | 28437 |
| 18-20 | MEAN | 33,0 | 31,4 | 31,4 | 31,4 | 32,6 | 37,7 | 55,0 | 58,9 | 51,7 | 43,6 | 36,9 | 34,1 | 39,9 |
| | S D | 10,745 | 11,269 | 10,019 | 9,268 | 8,361 | 9,989 | 8,793 | 7,660 | 9,400 | 9,276 | 9,295 | 9,442 | 13,530 |
| | TOTAL OBS | 2397 | 2141 | 2311 | 2362 | 2497 | 2384 | 2488 | 2416 | 2334 | 2412 | 2290 | 2410 | 28442 |
| 21-23 | MEAN | 32,2 | 32,0 | 32,9 | 32,6 | 33,2 | 38,2 | 55,9 | 60,5 | 52,7 | 43,1 | 35,2 | 32,6 | 40,2 |
| | S D | 10,782 | 11,041 | 9,726 | 9,201 | 8,556 | 10,068 | 9,806 | 7,914 | 9,448 | 9,801 | 10,071 | 9,777 | 13,975 |
| | TOTAL OBS | 2391 | 2144 | 2312 | 2369 | 2494 | 2384 | 2495 | 2416 | 2338 | 2416 | 2291 | 2409 | 28459 |
| ALL HOURS | MEAN | 31,2 | 30,8 | 31,9 | 32,5 | 33,9 | 39,0 | 56,1 | 60,6 | 52,2 | 42,4 | 34,5 | 32,1 | 39,9 |
| | S D | 10,950 | 11,210 | 9,914 | 9,227 | 8,512 | 10,001 | 9,830 | 8,005 | 9,653 | 9,880 | 9,922 | 9,823 | 14,160 |
| | TOTAL OBS | 19187 | 17085 | 18500 | 18920 | 19962 | 19056 | 19796 | 19310 | 18695 | 19305 | 18321 | 19275 | 227402 |

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 41-46,51-72 (PERIOD) ALL (MONTH)

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

| MONTH | HOURS (L S T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JAN | ALL | 99.7 | 92.0 | 78.8 | 63.4 | 48.5 | 35.5 | 23.4 | 13.0 | 4.4 | 51.4 | 19187 |
| FEB | | 99.1 | 85.3 | 67.3 | 51.0 | 37.4 | 26.0 | 15.7 | 8.2 | 2.5 | 44.8 | 17084 |
| MAR | | 97.9 | 79.0 | 58.7 | 40.8 | 26.9 | 17.4 | 10.2 | 5.0 | 1.3 | 39.2 | 18497 |
| APR | | 95.9 | 66.5 | 40.3 | 22.4 | 11.1 | 6.0 | 3.3 | 1.5 | .3 | 30.0 | 18919 |
| MAY | | 90.8 | 49.1 | 21.0 | 8.6 | 3.5 | 1.5 | .9 | .4 | .1 | 22.8 | 19962 |
| JUN | | 88.1 | 43.1 | 16.5 | 5.0 | 1.9 | .9 | .4 | .1 | | 20.9 | 19055 |
| JUL | | 97.8 | 70.0 | 49.2 | 27.3 | 14.7 | 7.5 | 4.0 | 1.6 | .2 | 33.3 | 19799 |
| AUG | | 99.6 | 90.9 | 69.3 | 46.1 | 28.4 | 15.8 | 8.2 | 3.2 | .7 | 41.7 | 19308 |
| SEP | | 99.1 | 83.1 | 59.3 | 37.4 | 21.7 | 11.5 | 5.7 | 2.3 | .5 | 37.5 | 18684 |
| OCT | | 99.3 | 84.5 | 62.9 | 41.7 | 23.9 | 12.9 | 6.7 | 3.4 | .8 | 39.1 | 19303 |
| NOV | | 99.2 | 88.8 | 71.1 | 53.1 | 36.5 | 22.6 | 13.1 | 5.6 | 1.7 | 44.7 | 19321 |
| DEC | | 99.6 | 93.5 | 81.3 | 66.9 | 50.3 | 35.1 | 22.9 | 12.6 | 4.2 | 52.2 | 19274 |
| TOTALS | | 97.2 | 77.6 | 56.3 | 38.6 | 25.4 | 16.1 | 9.5 | 4.7 | 1.4 | 38.1 | 227393 |

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,52-72 (PERIOD) JAN (MONTH)

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

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JAN | 00-02 | 100,0 | 98,3 | 92,9 | 80,3 | 64,9 | 49,5 | 33,7 | 19,0 | 6,3 | 60,0 | 2393 |
| | 03-05 | 100,0 | 98,8 | 95,6 | 85,6 | 71,4 | 56,8 | 39,8 | 24,1 | 9,1 | 63,7 | 2405 |
| | 06-08 | 100,0 | 99,3 | 96,2 | 89,2 | 76,3 | 61,0 | 43,4 | 24,9 | 8,9 | 65,5 | 2406 |
| | 09-11 | 99,8 | 94,5 | 80,9 | 63,2 | 45,7 | 30,5 | 17,6 | 8,5 | 3,0 | 50,0 | 2394 |
| | 12-14 | 99,1 | 80,6 | 52,7 | 32,7 | 19,3 | 11,1 | 6,2 | 3,5 | ,9 | 36,0 | 2401 |
| | 15-17 | 98,5 | 72,9 | 44,8 | 25,2 | 14,2 | 8,7 | 5,4 | 2,9 | ,8 | 32,7 | 2400 |
| | 18-20 | 99,8 | 94,2 | 77,6 | 56,2 | 37,9 | 24,3 | 12,4 | 6,7 | 2,0 | 46,7 | 2397 |
| | 21-23 | 100,0 | 97,6 | 90,0 | 74,3 | 58,5 | 42,2 | 27,4 | 14,1 | 4,3 | 56,4 | 2391 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | TOTALS | 99,7 | 92,0 | 78,8 | 63,4 | 48,5 | 35,5 | 23,4 | 13,0 | 4,4 | 51,4 | 19187 |

USAFETAC FORM JUL 64 0-87-5 (OL A)

DATA PROCESSING BRANCH
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# RELATIVE HUMIDITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,52-72 (PERIOD) FEB (MONTH)

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

| MONTH | HOURS (L S T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| FEB | 00-02 | 100.0 | 97.0 | 84.2 | 69.4 | 54.3 | 37.4 | 22.2 | 12.5 | 4.1 | 53.6 | 2135 |
| | 03-05 | 100.0 | 98.5 | 90.1 | 76.8 | 62.8 | 46.9 | 28.1 | 15.6 | 5.2 | 58.0 | 2136 |
| | 06-08 | 100.0 | 98.7 | 92.8 | 78.7 | 66.1 | 51.2 | 31.9 | 16.8 | 5.2 | 59.7 | 2136 |
| | 09-11 | 99.9 | 90.2 | 69.1 | 49.2 | 32.8 | 20.3 | 11.2 | 4.7 | .9 | 43.4 | 2134 |
| | 12-14 | 97.6 | 68.0 | 41.3 | 22.4 | 12.2 | 7.4 | 4.1 | 2.1 | .6 | 31.0 | 2132 |
| | 15-17 | 95.6 | 56.3 | 29.2 | 15.9 | 8.6 | 5.3 | 4.2 | 1.8 | .7 | 27.1 | 2127 |
| | 18-20 | 99.5 | 80.1 | 55.0 | 35.0 | 20.3 | 12.6 | 7.6 | 3.6 | .7 | 37.0 | 2140 |
| | 21-23 | 99.9 | 93.8 | 78.6 | 60.3 | 42.4 | 25.7 | 16.1 | 8.5 | 2.2 | 48.4 | 2144 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 99.1 | 85.3 | 67.5 | 51.0 | 37.4 | 26.0 | 15.7 | 8.2 | 2.5 | 44.8 | 17084 |

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-45,52-72 (PERIOD) MAR (MONTH)

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

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| MAR | 00-02 | 100.0 | 95.5 | 79.8 | 57.5 | 38.5 | 25.6 | 15.2 | 7.9 | 1.9 | 47.8 | 2313 |
| | 03-05 | 100.0 | 97.4 | 88.6 | 69.5 | 49.8 | 33.1 | 20.4 | 10.5 | 3.4 | 52.9 | 2311 |
| | 06-08 | 100.0 | 97.5 | 89.9 | 74.2 | 53.2 | 35.8 | 20.6 | 10.1 | 3.0 | 54.0 | 2316 |
| | 09-11 | 99.1 | 83.5 | 57.2 | 36.4 | 20.9 | 11.6 | 6.7 | 2.4 | .6 | 37.2 | 2316 |
| | 12-14 | 95.8 | 59.0 | 31.2 | 16.2 | 8.8 | 5.2 | 2.6 | 1.0 | .1 | 27.4 | 2309 |
| | 15-17 | 91.0 | 42.9 | 20.8 | 10.3 | 6.0 | 3.6 | 2.1 | 1.3 | .1 | 23.1 | 2310 |
| | 18-20 | 97.5 | 66.4 | 35.7 | 19.6 | 11.8 | 7.5 | 4.7 | 2.1 | .5 | 30.0 | 2311 |
| | 21-23 | 99.7 | 90.0 | 66.4 | 42.4 | 25.8 | 16.6 | 9.3 | 4.8 | 1.0 | 41.0 | 2311 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 97.9 | 79.0 | 58.7 | 40.8 | 26.9 | 17.4 | 10.2 | 5.0 | 1.3 | 39.2 | 18497 |

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (PERIOD) APR (MONTH)

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

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| APR | 00-02 | 99,9 | 89,0 | 58,5 | 31,5 | 14,3 | 8,6 | 4,9 | 2,6 | ,4 | 36,5 | 2366 |
| | 03-05 | 99,9 | 95,7 | 76,3 | 48,7 | 25,3 | 13,1 | 7,3 | 3,3 | ,7 | 42,5 | 2366 |
| | 06-08 | 100,0 | 93,6 | 75,9 | 49,0 | 24,6 | 12,6 | 6,2 | 2,7 | ,6 | 42,1 | 2365 |
| | 09-11 | 98,5 | 67,6 | 34,7 | 15,0 | 6,6 | 2,8 | 1,2 | ,5 | ,0 | 28,2 | 2366 |
| | 12-14 | 92,4 | 40,2 | 14,1 | 5,2 | 2,5 | 1,6 | ,9 | ,4 | ,0 | 20,9 | 2364 |
| | 15-17 | 83,3 | 25,3 | 8,0 | 4,1 | 2,7 | 1,7 | ,9 | ,5 | | 17,8 | 2362 |
| | 18-20 | 93,5 | 42,6 | 15,8 | 7,7 | 4,3 | 2,6 | 1,4 | ,7 | ,1 | 22,1 | 2361 |
| | 21-23 | 99,3 | 75,9 | 38,9 | 17,6 | 8,2 | 5,0 | 3,2 | 1,2 | ,3 | 30,2 | 2369 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 95,9 | 66,5 | 40,3 | 22,4 | 11,1 | 6,0 | 3,3 | 1,5 | ,3 | 30,0 | 18919 |

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

| 23111 | LUKE AFB ARIZONA/PHOENIX | 42-46,51-72 | MAY |
|---|---|---|---|
| STATION | STATION NAME | PERIOD | MONTH |

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| MAY | 00-02 | 99.4 | 69.9 | 29.6 | 12.2 | 5.2 | 2.2 | 1.5 | .8 | .1 | 27.5 | 2499 |
| | 03-05 | 99.8 | 87.4 | 51.1 | 23.0 | 9.0 | 3.6 | 2.1 | 1.1 | .1 | 33.3 | 2499 |
| | 06-08 | 99.7 | 86.2 | 49.0 | 20.7 | 7.5 | 2.7 | 1.6 | .6 | .1 | 32.3 | 2493 |
| | 09-11 | 96.7 | 44.1 | 14.0 | 4.0 | 1.4 | .7 | .4 | | | 21.6 | 2491 |
| | 12-14 | 82.0 | 20.1 | 3.9 | 1.0 | .6 | .4 | .1 | | | 15.9 | 2495 |
| | 15-17 | 69.2 | 12.4 | 2.2 | 1.0 | .6 | .3 | .1 | .1 | | 13.8 | 2494 |
| | 18-20 | 82.5 | 19.2 | 4.4 | 2.0 | 1.2 | .7 | .4 | .2 | | 16.1 | 2497 |
| | 21-23 | 97.1 | 49.1 | 14.0 | 5.1 | 2.3 | 1.5 | 1.0 | .5 | .1 | 22.1 | 2494 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 90.8 | 48.1 | 21.0 | 8.6 | 3.5 | 1.5 | .9 | .4 | .1 | 22.8 | 19962 |

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

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# RELATIVE HUMIDITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (PERIOD) JUN (MONTH)

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

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JUN | 00-02 | 98.4 | 64.1 | 22.0 | 5.8 | 2.3 | 1.2 | .6 | .3 | | 24.9 | 2383 |
| | 03-05 | 99.7 | 84.0 | 42.5 | 13.6 | 4.4 | 2.1 | 1.3 | .4 | .0 | 30.3 | 2382 |
| | 06-08 | 99.2 | 82.5 | 40.2 | 12.6 | 4.4 | 1.8 | .8 | .3 | .0 | 29.6 | 2382 |
| | 09-11 | 93.9 | 38.9 | 10.3 | 2.6 | 1.1 | .4 | .1 | | | 20.2 | 2379 |
| | 12-14 | 78.6 | 19.0 | 3.5 | .6 | .3 | .2 | .0 | | | 15.1 | 2379 |
| | 15-17 | 64.4 | 7.2 | 2.3 | .7 | .3 | .2 | .1 | | | 12.7 | 2383 |
| | 18-20 | 76.3 | 13.4 | 2.9 | 1.2 | .9 | .4 | .1 | | | 14.7 | 2384 |
| | 21-23 | 94.0 | 38.6 | 8.6 | 2.9 | 1.5 | .7 | .4 | .0 | | 20.0 | 2383 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 88.1 | 43.1 | 16.5 | 5.0 | 1.9 | .9 | .4 | .1 | | 20.9 | 19055 |

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

# RELATIVE HUMIDITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-72 (PERIOD) JUL (MONTH)

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

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JUL | 00-02 | 99.6 | 88.7 | 66.8 | 38.6 | 21.8 | 12.2 | 6.6 | 2.9 | .4 | 39.3 | 2441 |
| | 03-05 | 100.0 | 99.1 | 80.0 | 54.2 | 33.8 | 17.6 | 9.7 | 3.9 | .7 | 45.1 | 2412 |
| | 06-08 | 99.9 | 95.2 | 80.5 | 55.9 | 31.8 | 15.3 | 8.0 | 2.6 | .3 | 44.5 | 2490 |
| | 09-11 | 99.0 | 81.0 | 53.4 | 23.6 | 9.8 | 4.3 | 1.7 | .7 | .0 | 32.8 | 2483 |
| | 12-14 | 95.5 | 62.3 | 25.6 | 8.2 | 3.0 | 1.4 | .6 | .3 | .0 | 25.1 | 2493 |
| | 15-17 | 92.4 | 46.1 | 13.9 | 3.7 | 1.7 | .7 | .4 | .1 | | 21.3 | 2495 |
| | 18-20 | 96.9 | 58.6 | 25.0 | 10.1 | 4.0 | 1.8 | 1.2 | .7 | .2 | 25.3 | 2489 |
| | 21-23 | 99.0 | 81.0 | 48.7 | 24.1 | 12.0 | 6.9 | 3.6 | 1.8 | .2 | 33.2 | 2496 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 97.8 | 76.0 | 49.2 | 27.3 | 14.7 | 7.5 | 4.0 | 1.6 | .2 | 33.3 | 19799 |

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DATA PROCESSING BRANCH
1 ETAC/USAF
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (PERIOD) AUG (MONTH)

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

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| AUG | 00-02 | 100.0 | 98.3 | 89.3 | 66.3 | 42.5 | 24.9 | 13.7 | 5.6 | 1.1 | 49.6 | 2414 |
| | 03-05 | 100.0 | 99.4 | 94.6 | 81.7 | 59.4 | 35.8 | 20.0 | 8.1 | 1.5 | 55.6 | 2409 |
| | 06-08 | 100.0 | 99.3 | 95.2 | 81.7 | 59.4 | 33.7 | 17.6 | 6.4 | .8 | 55.0 | 2409 |
| | 09-11 | 99.9 | 95.0 | 76.6 | 45.1 | 20.8 | 9.1 | 3.1 | 1.1 | .7 | 40.7 | 2415 |
| | 12-14 | 99.2 | 83.6 | 47.3 | 17.4 | 5.8 | 2.8 | 1.1 | .6 | .1 | 31.4 | 2414 |
| | 15-17 | 98.5 | 71.8 | 28.5 | 8.6 | 3.6 | 1.6 | .9 | .4 | .1 | 26.8 | 2416 |
| | 18-20 | 99.6 | 93.4 | 46.1 | 21.0 | 10.3 | 4.6 | 2.1 | .8 | .2 | 32.3 | 2416 |
| | 21-23 | 99.8 | 96.1 | 76.5 | 47.1 | 25.3 | 14.2 | 7.2 | 2.7 | .7 | 42.5 | 2415 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 99.6 | 90.9 | 69.3 | 46.1 | 26.4 | 15.8 | 8.2 | 3.2 | .7 | 41.7 | 19308 |

DATA PROCESSING BRANCH
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AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (PERIOD) SEP (MONTH)

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

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| SEP | 00-02 | 100.0 | 97.7 | 81.1 | 54.3 | 31.8 | 16.5 | 8.4 | 3.9 | .8 | 44.9 | 2337 |
| | 03-05 | 100.0 | 99.2 | 92.9 | 70.4 | 44.1 | 24.8 | 12.7 | 5.1 | 1.0 | 50.5 | 2333 |
| | 06-08 | 100.0 | 98.9 | 91.0 | 70.2 | 45.0 | 24.3 | 11.6 | 4.6 | .9 | 50.1 | 2335 |
| | 09-11 | 99.9 | 88.2 | 55.0 | 28.4 | 13.4 | 5.6 | 2.4 | 1.0 | .2 | 34.9 | 2337 |
| | 12-14 | 98.1 | 64.4 | 28.7 | 10.9 | 4.8 | 2.5 | 1.3 | .3 | .1 | 26.6 | 2334 |
| | 15-17 | 95.8 | 47.9 | 18.5 | 7.7 | 3.9 | 2.4 | 1.4 | .3 | .2 | 23.1 | 2336 |
| | 18-20 | 99.1 | 74.1 | 36.9 | 17.4 | 8.8 | 5.0 | 2.7 | 1.1 | .4 | 30.1 | 2334 |
| | 21-23 | 99.9 | 94.5 | 70.2 | 39.7 | 21.6 | 11.2 | 5.2 | 2.3 | .5 | 40.1 | 2338 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 99.1 | 83.1 | 59.3 | 37.4 | 21.7 | 11.5 | 5.7 | 2.3 | .5 | 37.5 | 18684 |

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DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

23111 — STATION
LUKE AFB ARIZONA/PHOENIX — STATION NAME
42-46,51-71 — PERIOD
OCT — MONTH

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

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| OCT | 00-02 | 100.0 | 98.2 | 86.7 | 61.1 | 36.2 | 18.5 | 10.0 | 5.1 | 1.0 | 47.1 | 2415 |
| | 03-05 | 100.0 | 98.9 | 94.0 | 74.8 | 47.8 | 26.4 | 13.2 | 6.8 | 1.7 | 51.9 | 2412 |
| | 06-08 | 99.9 | 98.4 | 92.9 | 75.5 | 48.6 | 27.4 | 13.6 | 6.7 | 1.9 | 52.1 | 2413 |
| | 09-11 | 99.5 | 85.5 | 53.4 | 27.2 | 13.8 | 7.1 | 3.7 | 2.1 | .5 | 34.8 | 2410 |
| | 12-14 | 98.8 | 60.5 | 24.6 | 11.5 | 5.5 | 2.8 | 1.2 | .7 | .2 | 26.0 | 2411 |
| | 15-17 | 97.1 | 49.4 | 17.8 | 8.5 | 4.2 | 2.5 | 1.4 | .7 | .1 | 23.5 | 2414 |
| | 18-20 | 99.7 | 88.1 | 53.6 | 23.6 | 9.9 | 5.9 | 3.5 | 1.6 | .4 | 34.1 | 2412 |
| | 21-23 | 99.9 | 97.2 | 80.5 | 51.8 | 25.5 | 12.6 | 7.1 | 3.7 | .5 | 43.4 | 2416 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 99.3 | 84.5 | 62.9 | 41.7 | 23.9 | 12.9 | 6.7 | 3.4 | .8 | 39.1 | 19303 |

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 42-46,51-71 (PERIOD) NOV (MONTH)

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

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| NOV | 00-02 | 99.9 | 97.8 | 89.2 | 72.6 | 51.4 | 31.4 | 19.3 | 7.8 | 2.7 | 52.7 | 2293 |
| | 03-05 | 100.0 | 98.3 | 92.7 | 80.1 | 60.9 | 41.6 | 24.4 | 11.3 | 3.4 | 56.9 | 2291 |
| | 06-08 | 100.0 | 98.4 | 93.3 | 81.1 | 63.7 | 44.2 | 26.4 | 11.5 | 4.0 | 57.9 | 2291 |
| | 09-11 | 99.2 | 89.1 | 63.9 | 43.4 | 26.7 | 14.8 | 7.5 | 3.0 | 1.0 | 40.4 | 2292 |
| | 12-14 | 97.3 | 69.1 | 36.5 | 19.1 | 10.4 | 5.2 | 2.8 | 1.2 | .4 | 29.7 | 2288 |
| | 15-17 | 97.3 | 69.0 | 30.5 | 15.8 | 8.7 | 3.9 | 2.5 | 1.3 | .3 | 27.9 | 2285 |
| | 18-20 | 99.7 | 95.4 | 75.5 | 46.6 | 25.6 | 14.0 | 6.8 | 2.5 | .5 | 42.1 | 2290 |
| | 21-23 | 99.9 | 96.9 | 87.4 | 66.0 | 44.3 | 26.0 | 14.8 | 6.1 | 1.5 | 49.7 | 2291 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 99.2 | 88.8 | 71.1 | 53.1 | 36.5 | 22.6 | 13.1 | 5.6 | 1.7 | 44.7 | 18321 |

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 41-45,51-71 (PERIOD) DEC (MONTH)

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

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| DEC | 00-02 | 100.0 | 98.8 | 92.3 | 85.6 | 66.0 | 45.9 | 30.9 | 18.5 | 6.1 | 60.4 | 2404 |
| | 03-05 | 100.0 | 99.5 | 97.2 | 90.7 | 76.3 | 55.0 | 37.0 | 21.9 | 8.5 | 64.3 | 2405 |
| | 06-08 | 100.0 | 99.5 | 97.6 | 91.7 | 80.6 | 61.3 | 41.3 | 24.7 | 8.7 | 66.2 | 2412 |
| | 09-11 | 99.7 | 95.6 | 81.2 | 62.6 | 44.3 | 29.9 | 18.9 | 8.2 | 2.4 | 49.8 | 2409 |
| | 12-14 | 98.7 | 81.1 | 52.5 | 32.3 | 20.0 | 11.7 | 6.8 | 3.0 | .7 | 36.2 | 2411 |
| | 15-17 | 98.5 | 77.9 | 47.3 | 27.2 | 16.1 | 10.0 | 6.4 | 2.9 | .9 | 34.2 | 2414 |
| | 18-20 | 100.0 | 97.1 | 86.7 | 64.8 | 41.3 | 26.9 | 15.0 | 7.0 | 2.2 | 49.7 | 2410 |
| | 21-23 | 100.0 | 98.3 | 92.9 | 80.0 | 57.9 | 39.8 | 26.6 | 14.7 | 4.3 | 57.1 | 2409 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 99.6 | 93.5 | 81.3 | 66.9 | 50.3 | 35.1 | 22.9 | 12.6 | 4.2 | 52.2 | 19274 |

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DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

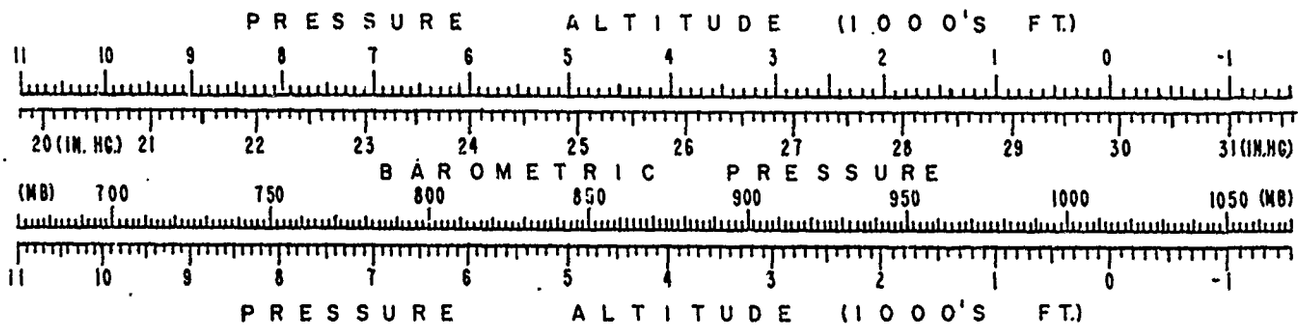
# PART F PRESSURE SUMMARY

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 to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.

2. Sea-level pressure 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.




F

DATA PROCESSING BRANCH
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# MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

23111 (STATION) LUKE AFB ARIZONA/PHOENIX (STATION NAME) 46,51-63,65-72 (YEARS)

| HRS (L S T) | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 02 | MEAN | 28,887 | 28,845 | 28,775 | 28,714 | 28,661 | 28,611 | 28,666 | 28,682 | 28,661 | 28,741 | 28,841 | 28,881 | 28,745 |
| | S D | ,129 | ,122 | ,122 | ,095 | ,084 | ,070 | ,071 | ,065 | ,074 | ,105 | ,115 | ,139 | ,137 |
| | TOTAL OBS | 613 | 541 | 584 | 606 | 648 | 614 | 618 | 651 | 630 | 650 | 615 | 618 | 7388 |
| 05 | MEAN | 28,885 | 28,840 | 28,773 | 28,720 | 28,678 | 28,632 | 28,687 | 28,694 | 28,673 | 28,747 | 28,841 | 28,880 | 28,753 |
| | S D | ,128 | ,123 | ,123 | ,094 | ,083 | ,075 | ,066 | ,062 | ,074 | ,106 | ,116 | ,140 | ,132 |
| | TOTAL OBS | 616 | 541 | 583 | 606 | 646 | 614 | 623 | 650 | 629 | 650 | 615 | 619 | 7392 |
| 08 | MEAN | 28,915 | 28,875 | 28,815 | 28,768 | 28,723 | 28,681 | 28,733 | 28,737 | 28,716 | 28,787 | 28,877 | 28,911 | 28,793 |
| | S D | ,131 | ,124 | ,127 | ,097 | ,085 | ,069 | ,062 | ,060 | ,074 | ,108 | ,117 | ,143 | ,129 |
| | TOTAL OBS | 617 | 542 | 587 | 603 | 645 | 616 | 644 | 649 | 629 | 648 | 615 | 618 | 7413 |
| 11 | MEAN | 28,945 | 28,897 | 28,828 | 28,772 | 28,718 | 28,674 | 28,728 | 28,735 | 28,719 | 28,794 | 28,891 | 28,936 | 28,801 |
| | S D | ,129 | ,123 | ,123 | ,097 | ,086 | ,070 | ,061 | ,059 | ,074 | ,106 | ,115 | ,141 | ,136 |
| | TOTAL OBS | 617 | 540 | 587 | 605 | 645 | 614 | 641 | 649 | 629 | 651 | 614 | 617 | 7409 |
| 14 | MEAN | 28,867 | 28,827 | 28,768 | 28,716 | 28,666 | 28,623 | 28,671 | 28,681 | 28,659 | 28,726 | 28,818 | 28,859 | 28,738 |
| | S D | ,124 | ,119 | ,119 | ,097 | ,085 | ,071 | ,062 | ,061 | ,076 | ,103 | ,111 | ,137 | ,128 |
| | TOTAL OBS | 616 | 541 | 582 | 605 | 647 | 614 | 647 | 651 | 629 | 650 | 612 | 619 | 7413 |
| 17 | MEAN | 28,846 | 28,792 | 28,720 | 28,661 | 28,608 | 28,563 | 28,598 | 28,614 | 28,608 | 28,692 | 28,795 | 28,840 | 28,692 |
| | S D | ,122 | ,118 | ,117 | ,099 | ,086 | ,072 | ,062 | ,064 | ,077 | ,103 | ,109 | ,134 | ,139 |
| | TOTAL OBS | 614 | 539 | 581 | 604 | 642 | 617 | 643 | 650 | 628 | 651 | 611 | 617 | 7397 |
| 20 | MEAN | 28,863 | 28,807 | 28,734 | 28,666 | 28,612 | 28,560 | 28,604 | 28,624 | 28,615 | 28,707 | 28,814 | 28,859 | 28,703 |
| | S D | ,124 | ,119 | ,117 | ,100 | ,086 | ,073 | ,070 | ,068 | ,078 | ,104 | ,112 | ,134 | ,144 |
| | TOTAL OBS | 616 | 545 | 583 | 605 | 646 | 614 | 646 | 651 | 628 | 650 | 613 | 618 | 7415 |
| 23 | MEAN | 28,888 | 28,834 | 28,767 | 28,705 | 28,652 | 28,603 | 28,657 | 28,672 | 28,651 | 28,737 | 28,840 | 28,882 | 28,733 |
| | S D | ,127 | ,121 | ,118 | ,096 | ,083 | ,071 | ,073 | ,070 | ,077 | ,104 | ,114 | ,136 | ,139 |
| | TOTAL OBS | 610 | 545 | 585 | 607 | 646 | 615 | 647 | 649 | 630 | 651 | 613 | 617 | 7415 |
| ALL HOURS | MEAN | 28,887 | 28,840 | 28,772 | 28,715 | 28,665 | 28,618 | 28,668 | 28,680 | 28,669 | 28,741 | 28,840 | 28,881 | 28,745 |
| | S D | ,130 | ,125 | ,125 | ,104 | ,093 | ,083 | ,081 | ,077 | ,084 | ,110 | ,118 | ,141 | ,140 |
| | TOTAL OBS | 4919 | 4334 | 4672 | 4841 | 5165 | 4918 | 5109 | 5200 | 5032 | 5201 | 4908 | 4943 | 59242 |

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

23011 LUKE AFB ARIZONA/PHOENIX 42-46,51-72
STATION STATION NAME YEARS

| HRS (LST) | | JAN | FEB | MAR | APR. | MAY | JUN. | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 02 | MEAN | 1018,2 | 1016,3 | 1013,9 | 1011,2 | 1009,0 | 1006,9 | 1008,6 | 1009,1 | 1008,7 | 1012,1 | 1016,0 | 1017,9 | 1012,2 |
| | S D | 4,636 | 4,539 | 4,425 | 3,535 | 2,953 | 2,535 | 2,470 | 2,442 | 2,661 | 3,688 | 4,134 | 4,859 | 5,301 |
| | TOTAL OBS | 780 | 711 | 770 | 788 | 834 | 795 | 803 | 806 | 780 | 804 | 765 | 773 | 9409 |
| 05 | MEAN | 1018,2 | 1016,3 | 1013,6 | 1011,5 | 1009,7 | 1007,8 | 1009,4 | 1009,6 | 1009,2 | 1012,4 | 1016,2 | 1017,9 | 1012,6 |
| | S D | 4,584 | 4,559 | 4,440 | 3,505 | 2,882 | 2,475 | 2,294 | 2,287 | 2,599 | 3,702 | 4,188 | 4,891 | 5,072 |
| | TOTAL OBS | 783 | 711 | 769 | 789 | 832 | 794 | 802 | 805 | 779 | 805 | 765 | 774 | 9408 |
| 08 | MEAN | 1019,4 | 1017,7 | 1015,4 | 1013,2 | 1011,3 | 1009,4 | 1011,0 | 1011,1 | 1010,8 | 1014,0 | 1017,7 | 1019,2 | 1014,1 |
| | S D | 4,708 | 4,991 | 4,556 | 3,546 | 2,908 | 2,451 | 2,144 | 2,213 | 2,577 | 3,756 | 4,214 | 4,986 | 5,026 |
| | TOTAL OBS | 784 | 711 | 772 | 786 | 830 | 796 | 829 | 804 | 779 | 803 | 765 | 772 | 9431 |
| 11 | MEAN | 1020,3 | 1018,3 | 1015,7 | 1013,2 | 1011,0 | 1009,1 | 1010,7 | 1011,1 | 1010,7 | 1014,0 | 1017,6 | 1019,8 | 1014,2 |
| | S D | 4,616 | 4,514 | 4,401 | 3,515 | 2,941 | 2,485 | 2,147 | 2,257 | 2,601 | 3,686 | 4,128 | 4,909 | 5,227 |
| | TOTAL OBS | 784 | 710 | 772 | 789 | 830 | 795 | 828 | 804 | 778 | 806 | 764 | 771 | 9431 |
| 14 | MEAN | 1017,4 | 1015,7 | 1013,5 | 1011,2 | 1009,1 | 1007,3 | 1008,6 | 1009,0 | 1008,5 | 1011,5 | 1015,2 | 1017,1 | 1011,9 |
| | S D | 4,444 | 4,367 | 4,291 | 3,547 | 2,988 | 2,565 | 2,245 | 2,387 | 2,735 | 3,558 | 3,961 | 4,753 | 4,974 |
| | TOTAL OBS | 765 | 709 | 767 | 787 | 833 | 794 | 833 | 805 | 779 | 805 | 762 | 774 | 9433 |
| 17 | MEAN | 1016,8 | 1014,6 | 1012,0 | 1009,5 | 1007,3 | 1005,3 | 1006,2 | 1006,7 | 1006,8 | 1010,4 | 1014,5 | 1016,5 | 1010,5 |
| | S D | 4,380 | 4,307 | 4,194 | 3,578 | 3,000 | 2,580 | 2,250 | 2,444 | 2,757 | 3,622 | 3,903 | 4,665 | 5,366 |
| | TOTAL OBS | 781 | 709 | 767 | 787 | 829 | 797 | 829 | 805 | 778 | 806 | 761 | 772 | 9421 |
| 20 | MEAN | 1017,6 | 1015,3 | 1012,7 | 1009,8 | 1007,4 | 1005,2 | 1006,5 | 1007,2 | 1007,3 | 1011,2 | 1015,4 | 1017,4 | 1011,0 |
| | S D. | 4,455 | 4,367 | 4,200 | 3,619 | 2,997 | 2,584 | 2,461 | 2,563 | 2,776 | 3,665 | 3,983 | 4,692 | 5,603 |
| | TOTAL OBS | 783 | 715 | 769 | 788 | 832 | 794 | 831 | 806 | 776 | 804 | 762 | 773 | 9435 |
| 23 | MEAN | 1018,3 | 1016,1 | 1013,6 | 1011,0 | 1008,7 | 1006,6 | 1006,3 | 1008,8 | 1008,4 | 1012,0 | 1016,1 | 1018,1 | 1012,1 |
| | S D | 4,548 | 4,495 | 4,302 | 3,545 | 2,928 | 2,519 | 2,583 | 2,606 | 2,713 | 3,654 | 4,074 | 4,743 | 5,386 |
| | TOTAL OBS | 777 | 714 | 771 | 790 | 832 | 794 | 833 | 804 | 779 | 806 | 763 | 772 | 9435 |
| ALL HOURS | MEAN | 1018,3 | 1016,3 | 1013,8 | 1011,3 | 1009,2 | 1007,2 | 1008,7 | 1009,1 | 1008,8 | 1012,2 | 1016,1 | 1018,0 | 1012,3 |
| | S D | 4,563 | 4,605 | 4,361 | 3,768 | 3,249 | 2,907 | 2,834 | 2,827 | 2,990 | 3,850 | 4,212 | 4,915 | 5,393 |
| | TOTAL OBS | 6257 | 5691 | 6157 | 6304 | 6652 | 6359 | 6588 | 6439 | 6230 | 6439 | 6107 | 6181 | 75403 |